# Prof. N. Thajuddin, Ph.D., D.Sc.

**FLS (London), FRSB (London), FNABS, FMSI, FMBSI**




**Former Pro – Vice Chancellor (July 3, 2023 – July 2, 2026)**
B. S. Abdur Rahman Crescent Institute of Science & Technology
(Deemed to be University)
Vandalur
Chennai – 600 048
Tamil Nadu, India.


**Formerly**

**Professor & Head**, Department of Microbiology (14.5 & 9.9 years)
Bharathidasan University, Tiruchirappalli – 620 024, Tamil Nadu, India

**Syndicate Member -** Bharathidasan University (March 2009 - January 2010)

**Senate Member -** Bharathidasan University (May 2007 - June 2019)

**Dean** - Faculty of Science, Engineering & Technology (June 24, 2015 –June 3, 2019)

**Coordinator** - DST-PURSE Programme (June 2016 – February 2022)

**Coordinator / Principal Investigator**
National Repository for Microalgae and Cyanobacteria - Freshwater & Marine (NRMC – F & M) (Sponsored by DBT, Govt. of India)

**Director** - National Facility for Marine Cyanobacteria (NFMC) (DBT, Govt. of India)

**President** - Alumni Association (2007 – 2011)

**Programme Coordinator** - V - Year Integrated M.Sc. Life Sciences (2019 – 2022)

**Chair** - Centre for Excellence in the School of Life Sciences (2017 – 2022)

**Coordinator** - Centre for Excellence in School of Life Sciences (from.2017 to 2023)

**Convener** - World Class Curriculum Development Cell in Biological Sciences (2017 – 2022)

**Member Secretary** - Institutional Biosafety Committee (IBSC) (2016 – 2022)

**Member Secretary** - Institutional Ethical Committee (IEC) (2018 – 2022)

**Editor in –Chief** - Bharathidasan Journal of Science & Technology (2018 – 2022)

**Library i/c** - School of Life Science – (2016 – 2022) Bharathidasan University

**Member -** Standing Committee on Academic Affairs, Bharathidasan University (12 years)

**Member -** Planning Board, Hon'ble Governor-Chancellor nominee- Bharathidasan University (2022 – 2023)

## Summary of Academic & Administrative Activities ….

- 31 years of Teaching and 35 years of Research experiences at Bharathidasan University
- Area of Specialization – Microbiology, with specialization in Cyanobacteria, Microalgal Taxonomy, and Biotechnology
- Underwent one year of post-doctoral research training in the USA as a Post-Doctoral Research Associate (Long-Term) through the DBT (Government of India) Overseas Award
- Total number of publications – 475, including 85 book chapters/reviews & 4 papers in Nature Group Journals
- Countries officially visited – USA, UK, KSA, Honk Kong, Singapore, Malaysia, Germany, South Korea, Sweden, Denmark, Finland, Italy, Brazil and Dubai (UAE).
- Books published: 11 books published by reputed publishers, including TANSCHE, Elsevier, CRC Press, Springer-Nature, and InTech.
- Grants received for personal research projects and programmes: ₹7.69 crores..
- Grants received from other than personal research (UGC-Non-SAP, DST-PURSE, FIST, etc.): ₹18.49 crores.
- Number of Ph.D. scholars produced: 40, including 10 scholars as Co-Guide
- Number of M.Phil. candidates guided: 31; M.Sc. project guidance: 142 candidates.
- Post-doctoral guidance: Guided 15 Post-Doctoral Fellows (PDFs)..
- Presented 122 research papers at 51 international-level conferences/symposia and 383 research papers at 97 national-level conferences/symposia/seminars. Of these, 59 papers received Best Paper Awards/Cash Prizes.
- As Chief Guest and Resource Person, delivered Lead Lectures, Plenary Lectures, Keynote Addresses, Inaugural Addresses, and Valedictory Addresses at 453 conferences, seminars, symposia, refresher courses, DST-INSPIRE programmes, webinars, training programmes, and workshops.
- Chaired 43 technical sessions at conferences and symposia.
- Delivered 8 Graduation Day Addresses as Chief Guest and gave 4 talks on All India Radio
- Received 22 awards from various organizations, including the prestigious TANSA Award from TNSCST; Senior Scientist Award & Life Time Devotion Award from the Microbiologists Society; Lifetime Achievement Award from the Society of Chemical & Synthetic Biology; and fellowships including Fellow of the Royal Society of Biology (FRSB), London; Fellow of the Mycological Society of India (FMSI); Fellow of the National Academy of Biological Sciences (FNABS); Fellow of the Linnean Society (FLS), London; and Fellow of the Microbiologists Society, India (FMBSI). Also received the Lifetime Achievement Award from the Antiviral Research Society
- Organized: 5 Refresher Courses, 3 DST-INSPIRE Programmes, 8 Symposia, 2 International Conferences, 2 Seminars, and 8 Workshops.
- Served as a Doctoral Committee Member for 170 Ph.D. scholars.
- Four Indian patents and two US patents were filed and published in the respective Patent Office Journals. Of these, one US patent was granted in April 2022.
- Five MoUs were signed with universities and institutions in the Republic of Korea, the People's Republic of China, and Taiwan. In addition, three industry MoUs, with a total value of ₹1.07 crores, were signed for effluent treatment, development of new building materials, and improvement of energy storage.
- Total number of nucleotide/gene sequences deposited in GenBank: 687. In addition, barcodes of 12 cyanobacteria and 6 fungi, as well as the whole-genome sequences of 10 cyanobacteria, have been deposited
- Ph.D. theses evaluated from other universities: 157
- Research impact: Total citations – 15,451; h-index – 60; i10-index – 216 (as of November 7, 2026); total impact factor – approximately 667.0.
- Played a key role in the establishment of the National Facility for Marine Cyanobacteria, funded by the Department of Biotechnology (DBT), Government of India.
- Established the National Repository for Freshwater Microalgae & Cyanobacteria (NRMC-F) with funding from the Department of Biotechnology (DBT), Government of India. (Website: www.nrmcf.org).
- The "Professor N. Thajuddin Endowment Gold Medal Award" was established by his Ph.D. scholars and is awarded annually to the first-rank student of M.Sc. Microbiology, Bharathidasan University. The award was instituted from the 2024 Convocation Ceremony of Bharathidasan University

**Listed among the Top 2% of Scientists in the World in the field of Microbiology, according to the Stanford University, USA, rankings for 2020, 2021, 2022, 2023, 2024, and 2025.**

# Detailed CURICULUM VITAE


1. **Name: Dr. N. Thajuddin D.Sc.**

Former Pro – Vice Chancellor,
B.S. Abdur Rahman Crescent Institute of Science & Technology
Vandalur, Chennai – 600 048
Formerly: Professor & Head, Department of Microbiology
Dean, Faculty of Science, Engineering & Technology
Coordinator, M.Sc. Life Sciences (Five Year Integrated Programme)
Chair, School of Life Sciences
Bharathidasan University, Tiruchirappalli - 620 024, Tamil Nadu, India.
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Live DNA Profile: https://livedna.org/91.7213
ORCHID iD: https://orcid.org/0000-0001-9966-3119
Web of Science ID : L-1915-2019
Scopus ID : 24340257000

**Website:** https://crescent.education/wp-content/uploads/2026/02/Dr-N.Thajuddin-Brief-CV.pdf

Biography: https://crescent.education/wp-content/uploads/2026/02/Prof-Thaj-Biography.pdf


**2. Date & Place of Birth: 6. 8.1962; Thirumanilaiyur, Karur – 639 003, Tamil Nadu, India.**

**3. Educational Qualifications**

| Degree | Subject | Institution/University | Month &Year | Class |
|---|---|---|---|---|
| D.Sc. | Botany | **Periyar University** Salem, 636 011, India | January 2022 | - |
| Ph.D. | Botany | Department of Botany **Bharathidasan University** Tiruchirappalli – 620 024, India | August, 1991 | - |
| M.Phil. | Botany | **A.V.V.M. Sri Pushpam College** Poondi - 613 503, Thanjavur District (Bharathidasan University) | May, 1987 | I |
| M.Sc. | Botany | **Govt. Arts College, Karur - 639 005** (Bharathidasan University) | April, 1985 | I |
| B.Sc. | Botany | **Govt. Arts College, Karur - 639 005** (University of Madras) | April, 1983 | I |

**4. Teaching Experience**

| Institution | Designation | Period | | Total Years | Period Months |
|---|---|---|---|---|---|
| | | From | To | | |
| Bharathidasan University | Lecturer | 11.9.1991 | 10.9.1996 | 5 | - |
| Bharathidasan University | Senior Lecturer | 11.9.1996 | 10. 9.2001 | 5 | - |
| Bharathidasan University | Reader | 11.9.2001 | 31.12.2005 | 4 | 3 |
| Bharathidasan University | Associate Professor | 1.1.2006 | 31.12.2008 | 2 | - |
| Bharathidasan University | Professor | 1.1.2009 | 30.8.2023 | 14 | 5 |

## 5. Administrative Experiences

| Position | Organization | From | To | Experience |
|---|---|---|---|---|
| **Syndicate Member** | Bharathidasan University | 3. 3. 2009 | 22.1. 2010 | 10 months |
| **Senate Member** | Bharathidasan University | May 2007 | June 2019 | 12 years |
| **Dean,** Faculty of Science, Engineering and Technology | Bharathidasan University | 24.6.2015 | 2.6.2019 | 4 years |
| **Member,** Standing Committee on Academic Affairs | Bharathidasan University | May 2007 | June 2019 | 12 years |
| **Chair,** School of Life Sciences | Bharathidasan University | 1.7.2017 | 15.11.2022 | 5 years & 4 Months |
| **Head i/c**, Microbiology | Bharathidasan University | 15.5.2007 | 10.9.2008 | 1 year & 4 months |
| **Head,** Microbiology | Bharathidasan University | 11.9.2008 | 22.9.2011 | 3 years |
| **Head i/c,** Microbiology | Bharathidasan University | 13.10 2012 | 12.10.2013 | 1 year & 0 month |
| **Head**, Microbiology | Bharathidasan University | 11.1.2015 | 30.6.2019 | 4 years & 5 months |
| **Co-ordinator,** DST-PURSE | Bharathidasan University | 20.7.2016 | 18.2.2022 | 5 years & 6 months |
| **Library i/c,** School of Life Science | Bharathidasan University | 4.11.2016 | 9.1.2023 | 6 years & 2 months |
| **Convener,** World Class Curriculum Development Cell, Biological Sciences | Bharathidasan University | 31.5.2017 | 31.8.2022 | 5 years & 3 months |
| **Editor in-Chief,** Bharathidasan Journal of Science & Technology | Bharathidasan University | 6.9.2018 | 31.8.2022 | 4 years |
| **Member Secretary,** Institutional Ethical Committee (IEC). | Bharathidasan University | 27.2.2018 | 31.8.2022 | 4 years & 1 months |
| **Member Secretary,** Institutional Biosafety Committee (IBSC) | Bharathidasan University | 31.10.2016 | 31.8.2022 | 6 years |
| **Programme Co-ordinator,** V year M.Sc. Life Sciences, School of Life Sciences | Bharathidasan University | 18.10 2019 | 2.11.2022 | 3 years |
| **Co-ordinator,** Centre for Excellence in the School of Life Sciences. | Bharathidasan University | 9. 11. 2017 | 2.11.2022 | 4 Years & 11 months |
| **Principal Investigator** National Repository for Microalgae & Cyanobacteria – Fresh water | Bharathidasan University | 26.3.2015 | 30.6.2023 | 8 years & 3 months |
| **Director** National Facility for Marine Cyanobacteria (NFMC) | Bharathidasan University | 24.1.2022 | 30.6.2023 | 1 year & 5 months |
| **Adjunct Professor**, Dept. Microbiology | Thassim Beevi Abdul Kader College of Women Kilakarai | 5.10 2018 | 5.10 2019 | 1 year |
| **Pro – Vice Chancellor** | B. S . Abdur Rahman Crescent Institute of Science and Technology (Deemed to be University), Vandalur, Chennai 600 048. | 3.7. 2023 | 2.7.2026 | 3 years |

## 6. Post - Doctoral Fellow (PDF / RA.) :

| Institution | Funding | From | To | Total Period |
|---|---|---|---|---|
| Post-Doctoral Research Associate<br>Department of Biology<br>**Rensselaer Polytechnic Institute**<br>Troy, New York, 12180-3590, U.S.A. | **Dept. of Biotechnology** (Govt. of India) **Overseas Award** (Long Term) | 1.4.1996 | 31.3.1997 | 1 year |

## 7. Doctoral Fellow (JRF & SRF) :

| Position | Funding | From | To | Total Period |
|---|---|---|---|---|
| **Junior Research Fellow**<br><br>**Senior Research Fellow**<br>Department of Botany<br>Bharathidasan University<br>Tiruchirappalli – 620 024 | **Dept. of Ocean Development** (**DOD**)<br>(Govt. of India)<br>New Delhi | February 1987<br><br>February 1989 | February 1989<br><br>February 1990 | 2 years<br><br>1 year |

## 8. School Education

**1st Std. – 7th Std**. (1974) - **Municipal Thirumanilaiyur Middle School, Karur- 639 003**.

**8th Std – SSLC** (1974 - 1977) - **C.S.I. High School, Karur – 639 001**.

**Pre-University Course: PUC (1979) – Government Arts College, Karur – 639 005**.

## 9. Area of Research at Post Graduate, Doctoral & Post Doctoral levels

| Title / year | Name of the research supervisors | Title of the Thesis/Dissertation/Research |
|---|---|---|
| **M.Sc. (Botany)**<br>(1985) | **Dr. G. Thirupurasundari**<br>Department of Botany<br>Govt. Arts College, Karur **&**<br>**Dr. T. Marimuthu**<br>All India Co-Ordinated Research Project on Beetle Vine Diseases, Tamil Nadu Agricultural University Station, Velur, Salem Dt.   | Certain physiological changes in Betel vine (*Piper betle* L.) infected with *Xanthomonas campestris* pv *betlicola* |
| **M.Phil. (Botany)**<br>(1986 –1987) | **Dr. S. Balakrishnan**<br>Department of Botany<br>AVVM Sri Pushpam College,<br>Poondi, Thanjavur  | Studies of Algae in Industrial Effluents |
| **Ph.D. (Botany)**<br>(1987 -1991) | **Dr. G. Subramanian**<br>Department of Botany<br>Bharathidasan University<br>Tiruchirappalli  | Marine cyanobacterial flora of the southern east coast of India - Survey and Ecobiological Studies. |
| **Post-Doctoral Fellow**<br>(April 1996 – March 1997) | **Dr. Sandra A. Nierzwicki-Bauer**<br>Department of Biology<br>Rensselaer Polytechnic Institute<br>Troy, New York, USA  | 16S rDNA and phylogenetic studies on cyanobacterial and bacterial endosymbionts of water fern *Azolla.* |

| | | | |
|---|---|---|---|
| **D.Sc. (Botany)** January 2022 | -**Self**-<br>**Periyar University**<br>Salem – 636 011 |  | Biodiversity and Biotechnological Potentials of Microalgae & Cyanobacteria. |

**10. Research Projects / Grants Received:**

| No | Project title | Funding Agency | Period | Amount |
|---|---|---|---|---|
| 1 | Microalgal Biodiversity of Bharathidasan University campus | UGC Unassigned Grant, Bharathidasan University | 1999 - 2000 | **Rs. 20,000/-** |
| 2 | Molecular Biology of Marine Cyanobacteria with reference to Taxonomy and Establishment of molecular Data Bank | MoES (DOD) Govt. of India | 2006 – 2009 | **Rs. 8,59,165/-** |
| 3 | Molecular characterization on Group I self-splicing introns within the phylogenetically diverse cyanobacteria. | University Grants Commission (UGC), Govt. of India | 2009 - 2012 | **Rs. 9,64,800/-** |
| 4 | Entrepreneurship programme of Oyster Mushroom cultivation technology for SC/ST population in and around Tiruchirappalli District | Dept. of Biotechnology (DBT) Govt. of India | 2009 - 2012 | **Rs. 9,24,000/-** |
| 5 | Pilot scale demonstration of Algal oil production with a target of at least 100 litres of oil production / month | Dept. of Biotechnology (DBT) Govt. of India | 2009 - 2012 | **Rs.50,69,000/-** |
| 6 | INSPIRE internship program | Department of Science & Technology (DST), Govt. of India | 2010 | **Rs.13,00,000/-** |
| 7 | INSPIRE internship program | Department of Science & Technology (DST), Govt. of India | 2011 | **Rs.13,00,000/-** |
| 8 | INSPIRE internship program | Department of Science & Technology (DST), Govt. of India | 2013 | **Rs.13,00,000/-** |
| 9 | Antipathogenic potential of marine cyanobacteria in preventing quorum sensing dependent bacterial infections among aquaculture organisms | Dept. of Biotechnology (DBT) Govt. of India | 2012 - 2015 | **Rs.19,25,645/-** |

| | | | | |
|---|---|---|---|---|
| 10 | Studies on Algal Blooms, their characterization and the factors influence bloom formation | Dept. of Biotechnology (DBT) Govt. of India | 2013 - 2015 | **Rs.44,27,000/-** |
| 11 | $CO_2$ sequestration using hypersaline microalgae: Selection, optimization and large-scale demonstration through raceway pond cultivation | Dept. of Science & Technology (DST), Govt. of India | 2013 - 2016 | **Rs.31,52,669/-** |
| 12 | Using flow cytometry and genomics to characterize and optimize microalgal: bacterial consortia cultivated on waste water to produce biomass for biofuel. | Indo-UK Project<br>Dept. of Biotechnology (DBT) Govt. of India | 2013 - 2016 | **Rs.1,43,82,800/-** |
| 13 | Establishment of National Repository for Microalgae & Cyanobacteria – Freshwater (NRMC-F) | Dept. of Biotechnology (DBT) Govt. of India | 2015 - 2018 | **Rs. 85,35,000/-** |
| 14 | UGC-BSR One Time Grant. | University Grants Commission, Govt. of India. | 2015–2016. | **Rs. 7,00,000/-** |
| 15 | Monitoring & Assessment of Rivers for Emerging Pollutants and Phycoremediation (Joint project with Dr. R. Babu Rajendran, BDU) | Dept. of Biotechnology (DBT) Govt. of India | 2017-2020 | **Rs. 36,50,000/-** |
| 16 | Culturable Actinomycetes associated with coastal Lichens: A potential source of bioactive compounds. | Dept. of Biotechnology (DBT) Govt. of India | 2017 - 2020 | **Rs. 42,64,700/-** |
| 17 | Establishment of National Repository for Microalgae & Cyanobacteria – Freshwater (NRMC-F) - Phase II | Dept. of Biotechnology (DBT) Govt. of India | 2021 - 2023 | **Rs. 90,00,000/-** |
| 18 | Bioremediation of Municipal Solid Waste Leachate using microalgae<br>(Consultancy project) | Zigma Global Environ Solution Private Limited, Erode. | 2022 | **Rs. 7,24,500/-** |
| 19 | Waste water treatment utilizing Microalgae (Consultancy project) | Kwalitee Algae Farms Karur | 2022 | **Rs. 4,48,500/-** |
| 20 | Development of New building materials using Exfoliated Graphite and Improve the | Nanofold India Inc., Bangalore | 2024 - 2027 | **Rs. 95,03,600/-** |

| | | | | |
|---|---|---|---|---|
| | Energy storage using Reduced Graphene<br>(Consultancy Project)<br>BSA CIST, Chennai | | | |
| 21 | Danish-Indo-Brazilian networking project<br>(Total grant Rs. 1,23,52,269/-)<br>BSA CIST, Chennai | Danish Ministry of Higher Education and Science (DMHES), Denmark | 2026 - 2027 | **Rs. 25,00,000/-** |
| 22 | AICTE – IDEA Lab<br>(Chief Mentor)<br>IDEA Lab ID- IDEA202000150<br>BSA CIST, Chennai | All India Council for Technical Education, (AICTE) New Delhi | 2025 - 2026 | **Rs. 20.00,000/-** |
| | | | **Total** | **Rs.7,69,51,379/-** |

**10.a. Bharathidasan University Department / University Grants (other than personal research grants)**

| No. | Govt. Funding Agencies | Amount sanctioned (RS in lakhs) |
|---|---|---|
| 1 | UGC – Non SAP | 20.00 |
| 2 | DST PURSE | 1735.00 |
| 3 | DST - FIST | 45.00 |
| 4 | DST – INSPIRE (3 programs) | 49.00 |
| | Total (Rs. 18.49 crores) | 1849.00 |

**Total Research & infrastructure grands handled at Bharathidasan University: 26.18 crores**

**11. Infrastructure Establishments at Bharathidasan University**

| S. No. | Name of Centre/Unit established | Funding Agency | Quantum of grant | Year | Role |
|---|---|---|---|---|---|
| 1 | Established National Repository for Microalgae & Cyanobacteria – Freshwater (NRMC-F) | Dept. of Biotechnology (DBT) Govt. of India | Rs. 1,75,35,000 | 2015 | Principal Investigator |
| 2. | Microalgal mass cultivation unit | | Rs 5,00,000 | 2013 | Principal Investigator |
| 3. | Mobile Taxonamy Laboratory | | Rs 10,00,000 | 2015 | Principal Investigator |
| 4. | Mushroom cultivation unit | | Rs 1,00,000 | 2009 | Principal Investigator |
| 5 | National Facility for Marine Cyanobacteria (NFMC) | | Played key role in the establishment of NFMC 1991 | | |

## 12.Countries Visited:

**United States of America, Honk Kong, Singapore, Malaysia, United Kingdom, Germany, Kingdom of Saudi Arabia, Republic of Korea, Sweden, Denmark, Finland, Italy, Brazil and Dubai (UAE).**

| No. | Purpose | Country visited | Period |
|---|---|---|---|
| 1. | Post-Doctoral Research and learned Bacterial culture preservation and maintenance through DBT (Govt. of India) Overseas Award | Department of Biology Rensselaer Polytechnic Institute Troy, New York, **USA**<br>American Type Culture Collection Maryland, **USA** | April 1, 1996 to March 30, 1997. |
| 2 | Research Collaboration under MoU & Paper presentation in International Conference. | University of Hong Kong, **Hong Kong** | 3 - 6 July, 2000 |
| 3 | Participated Biology in Asia International Conference and presented 2 papers. | The Singapore Institute of Biology C/o Department of Biological Sciences<br>National University of Singapore **Singapore** | 7 – 10 December, 2004 |
| 4 | Discussions on various aspects of Mycorrhizal Biofertilizer technology and possibility of future collaborations. | Malaysian Agri Hi-tech Research Centre, Selangor **Malaysia** | 11 – 13 December 2004 |
| 5. | Exchange visit and discussions for our Collaborative Indo-UK Project (DBT, Govt. of India) and training of Flowcam, Flow-cytometry, LC MS etc. | Plymouth Marine Laboratory, Plymouth. **UK**<br>Cambridge University, Botany School, Cambridge, **UK**<br>Swansea University Swansea, Wales, **UK** | 14 to 21, June 2014<br>23 June, 2014<br>17 – 21 May 2016 |
| 6 | Participated 22nd European Biomass Conference and Exhibition (EU BC 2014) and presented a research paper | CCH – Congress Centre Hamburg, **Germany** | 25th June, 2014 |
| 7 | Delivered special Lecture and scientific discussions with the faculty & students and initiated process of research collaboration | Department of Botany and Microbiology, College of Science, King Saud University Riyadh, **KSA** | 5 – 12 April, 2015 |
| 8. | Exchange visits through MoU signed, planning for joint projects, Publications and Invited Lectures. | 1. Incheon National University, Incheon<br>2. Korea Institute of Energy Research (KIER), Daejeon<br>3. Centre for Surface Technology and Application (CeSTA), Korea Aerospace University | 29th June to 2nd July 2015 |

| | | | |
|---|---|---|---|
| | | **Republic of Korea** | |
| 9. | Interactions & planning for research collaboration, Invited lecture | Department of Technology and Society, Faculty of Engineering & Food and Biotechnology Company, Scheelevagen Lund University, Lund, **Sweden** | 23 – 24 May, 2016 (2 Days) |
| 10 | Delivered an invited lecture and research discussions with the faculty and scholars. | Department of Chemistry and Bioengineering, Tampere University of Technology, Tampere, **Finland** | 26 May, 2016 |
| 11. | Personal visit | **Denmark** | 28 May, 2016 |
| 12. | Participated a seminar on Algal Biomass Production – Challenges and delivered a invited lecture on Microalgal Biotechnology. | ENEA Research Centre, Department of Sustainable Production Systems Casacci, Roma, **Italy.** | 30th May 2016 |
| 13 | Discussions on Sustainable Microalgal BioSolutions (SMBS), Interactions & Planning for research collaboration - Exchange Visit | Danish-Indo-Brazilian network Project, Danish Agency for Higher Education and Science, Denmark. Universidade Federal de Lavras, **Sao Paulo**, **Brazil.** SENAI Institute of Innovation in Biosynthetics and Fibers. **Rio De Janeiro, Brazil**. | 13 – 19th June 2026 |
| 14 | Interactions & Planning for research collaboration. | Gulf Medical University, Ajman, **Dubai** (**UAE).** | 21 June, 2026 |

## 13. Publications

### Citation Profile

| Details | *Scopus | **Web of Science | ***Google Scholar |
|---|---|---|---|
| Number of Citations | 7,108 | 7,144 | 15,451 |
| h-Index | 41 | 41 | 60 |
| i-10 index | - | | 216 |

***As on April 30, 2025, **As on May 8, 2025; *** As on November 7, 2026.**

**Total Impact Factor: ~ 667.0**

## 14. List of Research Publications:

1. *Subramanian, G., Sundararaman, M., **Thajuddin, N.**, Prabaharan, D. and Sekar, S. (1989) Survey of cyanobacterial flora in the southern east coast of India. In: ***Advances in Applied Phycology -II*** (Ed.) Shukla, A.C., Today & Tomorrow's Printers & Publishers, New Delhi. pp. 307-321.

2. *__Thajuddin, N.__ and Subramanian, G. (1990) Cyanobacterial phytoplankton of the Gulf of Mannar region. In: ***Proc. Natl. Symp. on Cyanobacterial Nitrogen Fixation*****.** IARI, New Delhi. pp. 457-463.

3. **Thajuddin, N.** and Subramanian, G. (1991) New reports of cyanobacteria from the southern east coast of India. ***Phykos*** **30:** 19-23.

4. **Thajuddin, N**. and Subramanian, G. (1992) Survey of cyanobacterial flora of the southern east coast of India. ***Botanica Marina*** **35:** 305-314 **(IF: 1.6).**

5. *__Thajuddin, N.__ and Subramanian, G.(1994) Marine cyanobacterial flora of south India. In: ***Current Researches in Plant Sciences.*** (Eds.) T.A. Sharma, S.S. Saini, M.L.Trivedi and M.Sharma, Bisen Singh & Mahendra Pal Singh, Dehra Dun. pp. 1 - 16.

6. *Subramanian, G. and **Thajuddin, N.** (1995) Ecobiology of Marine Cyanobacteria. In: ***Advances in Ecology and Environmental Sciences.*** (Eds.) P.C. Mishra, B.K. Senapathi and B.C.Guru, Ashish Publishing House, New Delhi. pp. 189-210.

7. **Thajuddin, N.** and Subramanian, G. (1995) Additions to the new reports of marine cyanobacteria from the east coast of India. ***Phykos*** **34:** 33-37.

8. *__Thajuddin, N.__ and Subramanian, G. (2002) The enigmatic bloom forming marine cyanobacterium *Trichodesmium*. In: Advances ***in Marine and Antarctic Sciences***. (Eds.) D. Sahoo and P.C. Pandey. APH Publishing Co. New Delhi. Chapter 4: 57 – 89.

9. **Thajuddin, N**., Nagasathya, A., Chelladevi, R. and Saravanan, P. (2002) Biodiversity of cyanobacteria in different salt pans of Pudukkottai District, Tamil Nadu. ***Seaweed Res. Utiln***. **24:** 1 – 11.

10. Vijay Antony, M., Mohan, S., Kasinathan, P. and **Thajuddin, N**. (2004). Production and properties of cellulolytic enzymes by *Trichoderma viride* and *Trichoderma harizianum* in submerged fermentation. ***Asian J. Microbiol. Biotech. Env. Sci***. **6(3):** 395-401.

11. Vijay Antony, M., Mohan, S., Kasinathan, P. and **Thajuddin, N**. (2004). Utilization and optimization of renewable resources for the stable production of cellulose degrading fungal enzymes. ***Asian J. Microbiol. Biotech. Env. Sci***. **6(3):** 71 - 76.

12. *Dhanasekaran, D., Panneerselvam, A. and **Thajuddin, N.** (2004) Antimicrobial activity of marine soil actinomycetes isolates against pathogenic bacteria. *In****: Proceedings of National Symposium on Recent Trends in Biological Research.*** (Eds.) A. Panneerselvam, *et.al*. A.V.V.M. Sri Pushpam College, Poondi – 613 503. pp 28 – 34.

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**Total Impact Factor: 667.0 (As on August, 2026)** ***Book Chapters (85)**

## 15. Overseas Research Collaborations:

**Research collaborations - 81 joint publications with 67 Universities / Research Institutes of 25 countries.**

| No. | Name of the University/institute | Country | Type of Collaborations |
|---|---|---|---|
| 1 | • Rensselaer Polytechnic Institute Troy, New York<br>• Fisk University, Nashville, Tennessee<br>• University of Alabama<br>• Sabinsa Corporation, New Jersey<br>• Brown University Warren Alpert Medical School, RI<br>• Albany College of Pharmacy and Health Sciences, Albany, New York.<br>• New York University, Grossman School of Medicine, New York.<br>• Joan C. Edwards School of Medicine, Marshall University, Huntington, | **USA** | Post-Doctoral Research & Joint publication |
| 2 | • Swansea University, Swansea, Wales<br>• Plymouth Marine Laboratory, Plymouth | **United Kingdom** | Indo-UK Project (DBT, Govt. of India) |
| 3 | • National University Singapore<br>• Nanyang Technological University | **Singapore** | Joint publications |

| | | | |
|---|---|---|---|
| 4 | • King Saud University<br>• Majmaah University<br>• Taif University | **Saudi Arabia** | Joint publications |
| 5 | • Wolaita Sodo University<br>• Jimma University<br>• Haramaya University | **Ethiopia** | Joint publications |
| 6 | • **7**th of October University<br>• Misurata University | **Libya** | Joint publications |
| 7 | • **University of Hong Kong*** | **Hong Kong** | **MoU** & Research Collaboration |
| 8 | • **Incheon National University***<br>• **Korea Aerospace University***<br>• Korea Institute of Energy Research<br>• Hanyang University<br>• **Kyung Hee University***<br>• Dong-A University<br>• Daegu University<br>• Dongguk University<br>• KU-KIST Graduate School of Energy and Environment, Korea University<br>• , Yeungnam University, Gyeongsan | **Republic of Korea** | **MoU*** &<br>Joint publications |
| 9 | • Ton Duc Thang University<br>• Duy Tan University<br>• Van Lang University | **Vietnam** | Joint publications |
| 10 | • University of Malaya | **Malaysia** | Joint publications |
| 11 | • **Shanghai Jiao Tong University***<br>• Shantou University | **PR China** | **MoU*** & Joint publications |
| 12 | • Prince of Songkla University<br>• Maejo University | **Thailand** | Joint publications |
| 13 | • K.U. Leuven Laboratory of Molecular Cell Biology | **Belgium** | Joint publications |
| 14 | • Max Planck Institute for Molecular Biology | **Germany** | Joint publications |
| 15 | • National Institute for Materials Science, Tsukuba<br>• Toyohashi University of Technology, Toyohashi, Aichi<br>• Kobe University, Research Centre for Inland Seas, Kobe. | **Japan** | Joint publications |
| 16 | • Contec Global Agro Limited, Abuja | **Nigeria** | Joint publications |

| | | | |
|---|---|---|---|
| 17 | • University of Yaoundé I, Yaoundé<br>• University of Douala, Douala | **Cameroon** | Joint publications |
| 18 | • University of Fort Hare, Alice.<br>• North-West University, Mmabatho | **South Africa** | Joint publications |
| 19 | • University of Quebec, Quebec<br>• Cape Breton University, Department of Chemistry, Nova Scotia. | **Canada** | Joint publication |
| 20 | • Nile University, Giza<br>• Egyptian Atomic Energy Authority (EAEA), Cairo<br>• Ministry of Health and Population, Faiyum<br>• Cairo University, Cairo<br>• Helipolis University for Sustainable Development, Cairo<br>• Military Technical College (MTC), Egyptian Armed Forces, Cairo | **Egypt** | Joint publication |
| 21 | • Asia University, Taichung.<br>• National Sun Yat-Sen University<br>• **Tajen University***<br>• National Taiwan Normal University, Taipei | **Taiwan** | Joint publication &<br>**MoU*** |
| 22 | • The International University of Management<br>• Destinies Biomass Energy and Farming Pty Ltd | **Namibia** | Joint publication |
| 23 | • Instituto de Alta Investigaci´on, Universidad de Tarapaca, Arica<br>• Vicerrectoría de Investigación y Postgrado, Universidad de La Serena, Chile | **Chile** | Joint publication |
| 24 | • Department of Biology, College of Art and Education, Sohar University | **Sultanate of Oman** | Joint publication |
| 25 | • Department of Biology and Ecology, University of Ostrava | **Czech Republic** | Joint Publications |

## 16. Books Published

1. Kidth; E}. jh[_j;jPd**;** (2013) **‘Ez;ZapupaYk; Neha;jLg;ghw;wypaYk;’** vd;w KJepiy gl;l tFg;gpw;fhd ,e;E}y; jkpopy; vOjg;gl;L jkpo;ehL khepy cah;fy;tp kd;wj;jpduhy; (**TANSCHE**, Chennai – 600 005) ntspaplg;gl;Ls;sJ (464 gf;fq;fs;).

1. **N. Thajuddin** (2013) **Microbiology & Immunology** book in Tamil (Post Graduate level); Publisher: Tamilnadu State Council for Higher Education (**TANSCHE**), Chennai – 600 005. (464 pages).

2. **Fungicides: Beneficial and Harmful aspects** (2011) ISBN: 978-953-308-508-1 - **N. Thajuddin** (Editor) - **INTECH** Open Access Publisher. www.intechweb.org, 51000 Rijeka, Croatia. 266 pages.

3. **Fungicides for Plant and Animal Diseases**, (2012) ISBN 978-953-307-804-5 D. Dhanasekaran., **N. Thajuddin** and A. Panneerselvam (Editors) –**INTECH** Open Access Publisher. www.intechweb.org, 51000 Rijeka, Croatia.298 pages.

4. **Antimicrobials: Synthetic and Natural Compounds (2015)** ISBN No: 9781498715621- CAT# K25354- Dhanasekaran. D., **Thajuddin, N.** and Panneerselvam, A. (Editors.), **CRC press,** Tailor & Francis Group, Boca Raton, FL, USA, 520 pages.

5. **Biological Techniques: A Laboratory Manual** (2016) ISBN No.978-93-80622-41-5 **N. Thajuddin**, T. Senthil Kumar and D. Dhanasekaran. Yazhini Publications, Cuddalore 199 pages.

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7. **Microbial Biofilms – Importance and Applications** (2016) ISBN 978-953-51-2436-8, Print ISBN 978-953-51-2435-1. D. Dhanasekaran and **N. Thajuddin** (Editors) **INTECH** Open Access Publisher. www.intechweb.org, 51000 Rijeka, Croatia. Pages 522.

**8. Laboratory Methods in Biology** (2018) ISBN No.978-93-87360-13-6. **N. Thajuddin**, D. Dhanasekaran, G. Muralitharan and T. Senthil Kumar. Jayam Publications, Tiruchirappalli – 620 023. 240 pages.

**9. Phytonanotechnology: Challenges and Prospects** (2020) ISBN No. 9780128223482. Editors: **N. Thajuddin** and Silvy Mathew, Publisher: **Elsevier**, Cambridge, MA 02139, USA. 354 pages.

**10. Molecular Techniques in Taxonomy to Biotechnology of Actinobacteria and Cyanobacteria – A Laboratory Manual** (2022) ISBN No. 978-93-91563-56-1. G. Muralitharan, D. Dhanasekaran and **N. Thajuddin**. Jayam Publications, Tiruchirappalli – 620023. 236 pages.

**11. Protocols for Cyanobacteria Sampling and Detection of Cyanotoxin. (2023)** ISBN-13:9789819945139. Editors: **N. Thajuddin**, A. Sankaranarayanan and D. Dhanasekaran. Publisher**: Springer Nature**, Singapore: 508 Pages.

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**LAB MANUALS:**

| No | Title | Publisher | Year |
|---|---|---|---|
| 1 | Manual of Techniques in Cyanobacterial Research | NFMC (as Co-author) | 1992 |
| 2 | Methods in Cyanobacterial Research | NFMC (as Co-author) | 1999 |

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|---|---|---|---|
| 3 | Laboratory Manual on Microbial Technology | N. Thajuddin | 2004 |
| 4 | Microbiological Techniques – a laboratory manual | N. Thajuddin & Joseph Selvin | 2008 |
| 5 | rpg;gpf;fhshd; tsh;g;G njhopy;El;gtpay;<br>Manual on "Oyster Mushroom Cultivation Technology" (in Tamil) | Kidth; E}. jh[_j;jPd; & Kidth; j. jdNrfud;<br>Dr. N. Thajuddin &<br>Dr. D. Dhanasekaran | 2010 |

**17. Patents filed / Granted:**

| No | Name of Product / Technology | Reference No. | Significance of the product | Author(s) responsible |
|---|---|---|---|---|
| 1 | Techno-economic drying of microalgae by **F**rame **O**oze **O**ut **T**echnique **(FOOT).** **(Indian Patent)** | Application No: 201641042909 A<br>Patent published on 30.12.2016. | Inexpensive microalgal biomass drying technology from 35,000 litre capacity Raceway Pond | Dr. N. Thajuddin<br>Dr. D. MubarakAli<br>Mr. E. Baldev<br>Mr. C. Arutselvan |
| 2 | **T**reading **H**omogenous Gas Phase Active Species for the Preparation Cyanobacterial **A**xenic Culture, A **J**et (**THAJ**) method **(Indian Patent)** | Application No. 201741043178 A<br>Publication Date : 26/01/2018 | An inexpensive process of developing axenic culture of unicellular cyanobacterium *Synechococcus elongatus* by treating ozone ($O_3$). | Dr. D. MubarakAli<br>Dr. N. Thajuddin (Head)<br>Mr. E. Baldev |
| 3 | **M**icrobial **B**ioconversion of **C**urcumin to **C**alebin – A (**MBCC**) **(Indian Patent)** | 201841006854 A<br>Filed on : February 23, 2018<br>Published on: March 01, 2019. | A Method for the Microbial Bioconversion of Curcuminoids to Calebin-A using Microorganisms for large Scale production. | Dr. M. Majeed, Mrs Anju Majeed, Dr. N. Thajuddin, et al |
| 4 | **A**ntimicrobial activity of **B**ioactive **C**ompounds and their **D**erivatives (**ABCD**). **(US Patent)** | Appl.No.<br>US 15/990972<br>Filed date: 29 May 2018.<br>Published Date: 5th December 2019 | Antimicrobial effects of bioactive compounds from *Curcuma species* (Curcuminoids, Calebin A and their derivatives) against *EAEC, ETEC* and *Pleisiomonas sp.* | Mrs Anju Majeed, Dr. M. Majeed, Dr. K. Nagabhusha-nam, Dr. N. Thajuddin *et al.* |
| 5 | A Process and System for **W**astewater **T**reatment and **S**ludge **M**inimization (**WTSM**) | Application No.<br>202141019297 A<br>Filed date: 27th<br>April 2021. | The present invention relates to the field of wastewater treatments, more particularly to a system for sludge minimization to provide | Sheik Syed Ishack, K.A., Panneerselvam, A., Ambikapathy, V., Thajuddin, N., et al. |

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|---|---|---|---|---|
| | **(Indian Patent)** | Published date: 7th May 2021 | 100% reuse of treated water into toilet flushing, gardening, agricultural purposes and ground recharge | |
| 6 | A system for producing **A**nti-Parasitic **C**ompounds and **D**erivatives from Marine Hypotrichous **C**iliates **(ACDC)** **(Indian Patent)** | Application No. 202241045547 A Filed date 9th August 2022 Publication Date : 19th August 2022 | The present invention relates to a system for producing anti-parasitic compounds (Sesqui terpenoids) and derivatives from Marine Hypotrichous Ciliates | Dr. N. Anandakumar and Dr. N. Thajuddin |
| 7 | An Algal Biochar for Oil Adsorption **(Indian Patent)** | Application No. 202641023231 A Filed Date: 26/02/2026 Publication Date : 6th March, 2026 | An algal biochar for oil adsorption, is characterised by functionalisation of Fe ions in the pores; and coating of a hydrophobic material. The functionalised algal biochar comprises Fe at 0.4% by weight. The algal biomass is *Oscillatoria brevis*. | Dr. Davoodbasha Mubarakali Bharath Sankaralingam Dr. Anchana Devi Nooruddin Thajuddin |
| **Patent Granted** | | | | |
| 1 | **M**icrobial **B**ioconversion of **C**urcuminoids to **C**alebin-A (**MBCC**). **(US Patent)** | Patent No. **11,299,706 B2** Date of Patent granted : **April 12, 2022** | A Method for the Microbial Bioconversion of Curcuminoids to Calebin-A using Microorganisms for large Scale production | Dr. M. Majeed, Mrs Anju Majeed, Dr. N. Thajuddin, *et al*. |

## 17 a: Technologies / products Transferred

| Name of Technology/products | Revenue Generated / Benefits Accrued | Year |
|---|---|---|
| Phycocyanin pigment (blue colourant) from Marine cyanobacteria Research Team: Professor G. Subramanian (Head), Dr. L. Uma, Dr. N. Thajuddin et.al. | Initial part of Rs 1 Lakh Received from ABL Biotechnologies, Chennai | 2001 |

## 18. International Collaborations under Memorandum of Understanding (MoU)

| S. No | Name of Collaborator | Name of Institutions / Universities involved | Date, Month & Year |
|---|---|---|---|
| 1 | **Dr. Jee-Eun Huh** | CEO Beautyline Co. Ltd, Incheon, | 30th June 2015 |

| | | | |
|---|---|---|---|
| | | Republic of Korea | |
| 2 | **Prof. Taejun Han** | CEO,<br>Institute of Green Environment Research<br>Incheon National University<br>Incheon, Republic of Korea | 30th June 2015 |
| 3 | **Prof. Jung-Wan Kim** | Professor & Head<br>Division of Bioengineering<br>Incheon National University<br>Incheon, Republic of Korea | 30th June 2015 |
| 4 | **Prof. Sang-Yul Lee** | Director<br>Center for Surface Technology and Application<br>Korea Aerospace University<br>Republic of Korea | 2nd July 2015 |
| 5 | **Prof. Jie Chen** | Shanghai Jiao Tong University<br>Shanghai, P.R. China | 2nd December, 2016 |
| 6 | **Dr. G. Agoramoorthy** | Distinguished Research Professor<br>College of Pharmacy and Health Care<br>Tajen University, Taiwan | 23rd June 2018 |

## 19. Industrial Consultancy Assignment Undertaken under MoU

| S. No. | Client/Organization Name | Nature of Assignment | Duration | Value (in Rs.) |
|---|---|---|---|---|
| 1 | **Dr. V. Sivasubramanian**,<br>Director, Phycospectrum Consultant Private Limited,<br>Anna Nagar<br>Chennai - 600 040 | **Honorary Consultant**<br>Incorporation of Pulsed Magnetic Field for Higher Lipid production by Microalgae in large scale | 2016 - 2020 | - |
| 2 | **Dr. Muhammed Majeed**<br>Founder & Managing Director<br>Sami Labs Limited,<br>Peenya Industrial Area,<br>Bangaluru - 560058 | **Honorary Consultant**<br>Extraction of Calebin-A from Turmeric.<br>Filed two International Patents | 2016 – 2021 | - |
| 3. | **Mr. C. Nagesh Prabhu**<br>Co-Founder & Director,<br>Zigma Global Environ Solutions Pvt. Ltd<br>24, Kalaimagal Kalvi Nilayam Road, Erode 638012. | **Principal Investigator**<br>Bioremediation of Municipal Solid Waste Leachate using microalgae<br>**MoU signed on 29.1.2022** | 2022 | 7,24,500/- |
| 4. | **Mr. RA. Kamaraj**<br>Managing Director<br>Kwalitee Algae Farms<br>138/B7B, Thalapatti Village<br>Manmangalam Taluk<br>Karur District – 639 003 | **Principal Investigator**<br>Waste water treatment utilizing Microalgae<br>**MoU Signed on 6.10.2022** | 2022 | 4,48,500/- |
| 5 | **Dr. Ilan Kuppusamy**<br>Founder and Director | **Project Convenor,** CGOM R&D, BSA CIST, Chennai. | 2024 - 2027 | 95,03,600/- |

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|---|---|---|---|---|
| | NanoFold India Inc.<br>3, Bellary Road, RMV Extension<br>Sadashiva Nagar<br>Bangalore – 560 080 | Development of New building materials using Exfoliated Graphite and Improve the Energy storage using Reduced Graphene<br>**MoU Signed on 7.10.2024.** | | |
| | | | Total Amount | **1,06,76,600/-** |

**20. Research Supervision:**

| | Guided | Guiding |
|---|---|---|
| **P.G.** | **142** | **-** |
| **M.Phil** | **31** | **-** |
| **Ph.D.** | **30* + 10**** | **1*** |
| **Post-Doctoral Level** | **15** | **-** |

***as direct guide** ****as co-guide**

**21. Ph.D. Degree Awarded:**

| No. | Name | Ph.D Thesis title | Year of completion |
|---|---|---|---|
| 1 | **Dr. A. Nagasathya** | Microbial biodiversity of saltpans of Tamilnadu and Biotechnological potential of the cyanobacteria. | September, 2005 |
| 2 | **Dr. R. Shyam Kumar** | Diversity and characterization of cyanobionts in the lichens of Yercaud and Kolli Hills. | July, 2007 |
| 3 | **Dr. V. Thiyagarajan** | Biodiversity and Seasonal distribution of cyanobacteria from Kolli Hills, Tamil Nadu, India. | December, 2007 |
| 4 | **Dr. G. Muralitharan** | Morphological, Biochemical and Molecular Characterization of Marine Cyanobacteria. | May, 2008 |
| 5 | **Dr. I. Anandavalli** | Studies on biodiversity, molecular characterization and applications of marine cyanobacteria and plankton of the Gulf of Mannar, Tamil Nadu, India. | April, 2009 |
| 6 | **Dr. H. Syed Jahangir** | Isolation, characterization and Biotechnological potentials of Actinobacteria from Kolli Hills, Tamil Nādu, India. | August,2009 |
| 7 | **Dr. R. Nazeerullah** | Biodiversity, Biochemical and Molecular Characterization of Bacteria from Subsurface Environment. | March, 2011 |
| 8 | **Dr. K. Moorthy** | Prevalence of Hepatitis B Viral infection among lower social-economic groups. | May, 2011 |
| 9 | **Dr. M. Satheesh Kumar** | Biotechnological Potentials of Indigenous Cyanobacteria in Agriculture and Bioremediation. | January 2012 |
| 10 | **Dr. N. Amaresan** | Exploitation of Endophytic Bacteria for the Management of Diseases of Tomato (*Lycopersicon esculentum*) and Chilli (*Capsicum annum*). | January 2012 |

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|---|---|---|---|
| 11 | **Dr. Mohd. Rasheeduddin** | Prevalence & Characterization of Bacterial & Fungal agents causing lower respiratory tract infections in patients with HIV infection. | May, 2012 |
| 12 | **Dr. S. Rajalaksmi** | Exploration and exploitation of *Rhizobium* spp associated with wild legumes found in extreme habitat of Bay Islands to enhance crop productivity. | September, 2012 |
| 13 | **Dr. D. Mubarak Ali** | Survey, Molecular Systematics and nonobiotechnological potentials of marine cyanobacteria. | October, 2012 |
| 14 | **Dr. V. Thennarasu** | Biodiversity, antibacterial efficacy and molecular characterization of mycoflora from Andaman Islands, India. | February, 2013 |
| 15 | **Dr. R. Praveen Kumar** | Biodiversity, molecular taxonomy and techno-economical evaluation of microalgae for biodiesel production. | September, 2013 |
| 16 | **Dr. N. Anandakumar** | Diversity and biotechnological applications of microzooplankton from Gulf of Mannar, India. | December, 2014 |
| 17. | **Dr. A. Ilavarasi** | Microalgal diversity and production of β -Carotene from Chlorophycean microalga, *Coelastrella* sp. NTAI15. | January, 2015 |
| 18 | **Dr. D. Vijayan** | Diversity and molecular characterization of Cyanobacterial group I self-splicing introns. | August, 2015 |
| 19 | **Dr. A. Parveez Ahamed** | Screening and characterization of bioactive metabolites with anti-ESBL, antioxidant and anticancer properties from *Oscillatoria acuminata* NTAPC05 | August, 2015. |
| 20 | **Dr. N. Reehana** | Purification, Characterization and Applications of Cyanobacterial Phycocyanin Pigment. | August, 2015. |
| 21 | **Dr. E. Baldev** | Microalgal Biomass and Biodiesel Production using Raceway Pond System | February, 2018 |
| 22 | **Dr. F. Lewis Oscar** | Antibiofilm potentials of *Spirulina platensis* against *Pseudomonas aeruginosa* | November, 2018 |
| 23 | **Dr. Anju Majeed** | Microbial Production of Calebin A from *Curcuma sp.* and its biological applications | December, 2019 |
| 24 | **Dr. R. Thangaraj** | Biodiversity of Freshwater Cyanobacteria and Microalgae, Media Optimization and Pharmacological Exploration of Cyanobacterial Phycocyanin | August, 2021 |
| 25 | **Dr. G. Narchonai** | Isolation, Identification and Evaluation of Microalgae from Freshwater Temple Ponds of Puducherry for Bio- Butanol Production | June, 2022 |
| 26 | **Dr. C. Arutselvan** | Screening and Characterization of Betel field Microalgae for Biodiesel Production | April, 2023 |

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| 27 | **Dr. S. Soundararajan** | Biodiversity and Biomedical Application of Freshwater Microalgae and Cyanobacteria. | October 2024 |
| 28 | **Dr. Monalisa Das** | Effect of Indian system of Medicine on human microbiota in Hypersensitivity - I reactions in Asthamatics. | September 2025 |
| 29 | **Dr. S. Vishnu Chitthan** | Diversity, Genomic Mining and Bioassay Evaluation of Antibacterial Metabolites from Cyanobacteria Targeting Multidrug Resistant Bacterial Pathogens | September 2026 |
| 30 | **Dr. B. Nisha Banu** | A polyphasic taxonomic approach in selected strains of Cyanobacteria (Chroococcales) from the freshwater habitats of Tamil Nadu, India | September 2026 |
| **As Co-Guide** | | | |
| 1 | **Dr. M. Vijay Antony** | Enhanced cellulase production by solid state fermentation and its application in biostoning and bioconversion processes. | May, 2005 |
| 2 | **Dr. S. Mohan** | Studies on fungal phytase and its effect on bioavailability of phosphorous and calcium in broiler chicken | October, 2005 |
| 3 | **Dr. S. S. Sudha** | Studies on Microalgae and Fungi of Muthupet Mangrove Environs of Tamil Nadu, India | February, 2006 |
| 4 | **Dr. D. Dhanasekaran** | Biochemical, Molecular Characterization and Antimicrobial Compounds of *Streptomyces* spp. from Cuddalore District, Tamil Nadu, India | June, 2006 |
| 5 | **Dr. C. Karthikeyan** | Studies on saline tolerant strains of Arbuscular Mycorrhizal Fungi from the west coast of Kerala, India | January, 2007 |
| 6 | **Dr. R. Vijayakumar** | Studies on actinomycetes from Palk Strait region of Tamil Nadu Coast with reference to antibiotic production | July, 2007 |
| 7 | **Dr. K. Jeyachitra** | Biodiversity, characterization and applications of freshwater cyanobacteria | July, 2007 |
| 8 | **Dr. R. Senthilkumar** | Studies on saprophytic survival and suppression of *Pestalotia psidii* causing fruit canker in Guava (*Psidium guajava*) | February, 2007 |
| 9 | **Dr. S. Ganesh Manikandan** | Microbiological and Biotechnological studies on methicillin resistant *Staphylococcus aureus* isolate from Tamil Nadu, India | December, 2007 |
| 10 | **Dr. C. Anchana Devi** | Molecular diagnosis, characterization and antimicrobial studies of *Mycobacterium tuberculosis* and associated microbial pathogens in female infertility cases. | November, 2011 |

**Ph.D. Guiding**

| No. | Name | Ph.D Thesis title | Year of Registration |
|---|---|---|---|
| 1 | **Mr. Peer Mohamad Noorani** | Bioremediation on emerging pollutants | 2018 |

## 22. Post Doctoral Guidance

1. **Dr. N. Kumaraguru** - DST Fast Track (Young Scientist) fellowship (April 2008 – March 2011)
2. **Dr. Segal Kiran** - DST Fast Track (Young Scientist) Fellowship (April 2010 – December 2012).
3. **Dr. C. Nithya** - UGC – Dr. D.S. Kothari Fellowship (2011 – 2013).
4. **Dr. Beema Shafreen** - UGC – Dr. D.S. Kothari Fellowship (August 2014 – February 2015).
5. **Dr. D. Bakkiyaraj**- Indo-UK Project, DBT, Govt. of India – (2014 - 2015).
6. **Dr.A. Hemalatha** – UGC – Post-doctoral Fellowship to Women Candidate (2015 – 2016)
7. **Dr. K. Manivannan** - UGC – Dr. D.S. Kothari Fellowship (2013 - 2016).
8. **Dr. Dharitri Borah** - DBT-Research Associateship in Biotechnology & Life Sciences – (2014 - 2016).
9. **Dr. S. Sumathi** - UGC – Dr. D.S. Kothari Fellowship (2013 - 2016).
10. **Dr. A. Parveez Ahamed** – Indo-UK Project, DBT, Govt. of India. (2015 – 2016).
11. **Dr. D. Mubarak Ali –** Research Associate III, National Repository for Microalgae & Cyanobacteria - Freshwater, DBT, Govt. of India (2015 – 2018)
12. **Dr. R. Thenmozhi–**SERB - Young Scientist Fellowship (2015 – 2018).
13. **Dr. R. Vijayakumar –** SERB - National Post-Doctoral Fellowship - (2017 – 2019).
14. **Dr. A. Suresh** – UGC –Post-Doctoral Fellowship for SC/ST Candidates (2016 – 2020).
15. **Dr. M. Mohamed Imran** - Research Associate, National Repository for Microalgae & Cyanobacteria - Freshwater, DBT, Govt. of India (2021 – 2023)

## 23. M.Phil. Guided:

1. **S. Senthil Rani** Reg. No. 02CD 0239 (2004). Biotoxification of Phenolic Pesticides by Laccase enzyme from *Pleurotus* spp. (Oyster mushroom). (CDE, BDU, M.Phil., Biotechnology)
2. **S. Kavitha**, Reg. No. A 3591133 (2004). Biodiversity of Microalgae from terrestrial Environment (DDCE, Manonmanian Sundaranar University, M.Phil., Life Sciences)
3. **K.Ashwini** Reg. No. 04CD 15627 (2005). Phylogenetic Analysis of Cyanobacterial 16S rRNA Sequences using Bioinformatic Tools (CDE, BDU, M.Phil., Microbiology)
4. **R. Shoba** Reg. No. 04CD 15729 **(**2005). Biodegradation of oil sludge waste by using Fungi (CDE, BDU, M.Phil., Microbiology)
5. **K. Mohamed Jinna,** Reg. No. 05CD – 18361 (2006). Bioinformatic Analysis of Inclusion Bodies – A Comparative Study. (CDE, BDU, M.Phil., Biotechnology)
6. **Ms. I. Anandavalli** – Reg. No. 06CD- 30772 (2007) Survey of epilithic cyanobacteria from the temples of Tamilnadu, India (CDE, BDU, M.Phil., Microbiology)
7. **Mr. Ravikumar –**Reg. No. 06CD-30819 (2007) Effect of different stress temperatures on inducing lactic acid production in *Lactobacillus* sp. (CDE, BDU, M.Phil., Microbiology)
8. **Ms. V. R. Stellamary –** Reg. No. 06CD- 30835 (2008) Biodiversity of Cyanobacteria from fresh water ponds of Tiruchirappalli (CDE, BDU, M.Phil., Microbiology)

9. **Mr C. Kalanithi –** Reg. No. 07MBP0106 (2008) Characterization and optimization of alkaline protease production from marine *Bacillus* sp. NTMBS1 isolated from east coast of Tamilnadu. (Dept. of Microbiology, BDU)
10. **Ms. S. Malathi –** Reg. No. 07MBP0107 (2008) Studies on the diversity, characterization and biotechnological potential of marine fungi. (Dept. of Microbiology, BDU).
11. **Ms. S. Suganya -** Reg. No. 07MBP0114 (2008) Characterization and optimization of acid phosphatase from indigenous marine *Bacillus* spp. (Dept. of Microbiology, BDU).
12. **Ms. A. Anandhi –** Reg. No. 08MB0201 (2009) Partial characterization of different strains of *Frankia* isolated from *Casuarina* root nodules with special reference to cadmium biosorption. (Dept. of Microbiology, BDU).
13. **Ms. A. Ilavarasi –** Reg. No. 08MBP0205 (2009) Partial Characterization and applications of freshwater microalgae. (Dept. of Microbiology, BDU).
14. **Ms. C. Divya –** Reg. No. 08MBP0204 (2009) Biosynthesis and characterization of Silicon – Germanium nanocomposite by fresh water Diatoms. (Dept. of Microbiology, BDU).
15. **Ms. G. Mahalakshmi -** Reg. No. 09MBP0311 (2010) Partial Characterization of Microalgal Associative Bacteria. (Dept. of Microbiology, BDU).
16. **Ms. T. Mari Nivetha –** Reg. No. 09MBP0312 (2010) Biotechnological Utilization of diatoms with special reference to biofuel production. (Dept. of Microbiology, BDU).
17. **Ms. T. Senbagavalli –** Reg. No. 09MBP0318 (2010) Biotechnological utilization of green microalga *Scenedesmus bijugatus* var *bicellularis* with special reference to biofuel production. (Dept. of Microbiology, BDU).
18. **Ms. K. Shameera –** Reg. No. 09PMB0317 (2010) Characterization of *Chlorella* sp. (Chlorophyta) with a view to exploit for biodiesel production. (Dept. of Microbiology, BDU).
19. **Ms. K. Johncy.** Reg. No. 10MBP0406 (2011) Monitoring and evaluation of mono & mixed cultures of microalgae for their usefulness as feedstock for biodiesel production. (Dept. of Microbiology, BDU).
20. **Ms. K. Karthigadevi,** Reg. No. 10MBP0409 (2011) Production of butanol from pre-treated marine *Chlorella* sp. by using *Saccharomyces cerevisiae.* (Dept. of Microbiology, BDU).
21. **Ms. K. Rajeshwari,** Reg. No. 10MBP0415 (2011) Effect of organophosphorus pesticide on antioxidant response, photosynthetic pigment and fatty acid profile in freshwater cyanobacteria. (Dept. of Microbiology, BDU).
22. **Ms. N. Reehana,** Reg. No. 10MBP0417 (2011) Sequence based structural and phylogenetic analysis of *C*- Phycocyanin gene from cyanobacteria. (Dept. of Microbiology, BDU).
23. **Ms. V. Naveena** Reg. No. 11MBP0502 (2012) Biodiversity, isolation and characterization of pesticide (Monocrotophos) degrading microalgae isolated from paddy field, Tiruchirappalli. (Dept. of Microbiology, BDU).
24. **Ms. J. Renuka,** Reg. No. 11MBP0507 (2012) Biodiversity and oil degrading efficiency of microalgae isolated from Railway Loco Shed, Tiruchirappalli Zone, India (Dept. of Microbiology, BDU).
25. **Ms. K. Prabha,** Reg. No. 11MBP0503 (2012) Exploration of microalgal populations for their efficiency as a feedstock for Biobutanol production. (Dept. of Microbiology, BDU).
26. **Ms. K. Rajeshwari,** Reg. No. 11MBP0504 (2012) Strain selection, medium optimization and open pond semi-continuous cultivation of microalgae for Biodiesel production. (Dept. of Microbiology, BDU).
27. **Ms. S. Sivasankara Narayani,** Reg. No. 12MBP606 (2013) Optimization and Characterization of Scytonemin produced by cyanobacteria. (Dept. of Microbiology, BDU).

28. **Ms. M. Dhivya,** Reg. No. 13MBP701 (2014) Utilization of Microalgae for simultaneous nutrient removal and lipid production for biofuel feedstock. (Dept. of Microbiology, BDU)

29. **Ms. M. Kanimozhi,** Reg. No. 13MBP703 (2014) Exploration of Diatoms as a feedstock for Lipid Production. (Dept. of Microbiology, BDU).

30. **Ms. E. K. Aswini Priya,** Reg. No. 14MBP801 (2015**)** Anti-Biofilm activity of synthetic $CeO_2$ Nanoparticle against ESBL producing bacteria. (Dept. of Microbiology, BDU).

31. **Ms. S. Seema,** Reg. No. 14MBP810 (2015) Anti-Biofilm activity of silver nanoparticle synthesized by *Nitzschia palea* (Diatom) against ESBL producing bacteria. (Dept. of Microbiology, BDU).

## 24. M.Sc. Projects Guided

| No | Name | Institute | Year | Research Topic |
|---|---|---|---|---|
| **1.** | **A. Abdul Ahamed** | Dept. of Microbiology Bharathidasan University, Tiruchirappalli | 1995 | Siderophore Production by the Marine Cyanobacterium *Oscillatoria salina* BDU 91511 |
| **2.** | **M. Geetha** | University of Pune Pune | 1997 | PCR based detection of Introns in Marine Cyanobacteria |
| **3.** | **S. Krishnan** | University of Madras Chennai. | 1998 | Isolation & Amplification of 16S rRNA genes from Marine Cyanobacteria |
| **4.** | **D. Aravinth Prasanth** | Dept. of Microbiology Bharathidasan University, Tiruchirappalli | 1998 | Molecular Characterization of 4 different strains of *Anabaena* based on 16S rRNA isolated from *Azolla pinnata* |
| **5.** | **M. Veeramuthu** | Dept. of Microbiology Bharathidasan University, Tiruchirappalli | 1999 | PCR Amplification, Cloning & Transformation of 16SrRNA genes from 4 filamentous marine cyanobacteria |
| **6.** | **S.D. Jamdade** | University of Pune PUNE | 2000 | Siderophores from different strains of marine cyanobacteria *Oscillatoria salina* |
| **7.** | **P. Ruba** | Dept. of Microbiology Sri Saratha College of Arts & Science, Karur | 2002 | Biodiversity of Cyanobacteria from two different textile effluents |
| **8.** | **S. Shyamala Devi** | Dept. of Microbiology Dhanalakshmi Srinivasan College, Perambalur. | 2003 | Biodiversity of cyanobacteria from different freshwater bodies of Tiruchirappalli |
| **9.** | **K. Ashwini** | Dept. of Microbiology Bharathidasan University, Tiruchirappalli | 2004 | PCR based detection of Introns in marine unicellular cyanobacteria |

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| **10.** | **S. Sangeetha Priya** | Smt. Indira Gandhi College, Tiruchirappalli | 2004 | An attempt on the development of natural culture media for the growth & partial characterization of marine cyanobacteria |
| **11.** | **K. A. Parameshwari** | Smt. Indira Gandhi College, Tiruchirappalli | 2004 | Screening of siderophores from marine cyanobacteria |
| **12.** | **S. Thiyagarajan** | Dept. of Microbiology Bharathidasan University, Tiruchirappalli | 2005 | Phylogeny of marine cyanobacteria (Oscillatoriaceae) using RAPD fingerprinting |
| **13.** | **R. Anjugavairam** | Dept. of Microbiology Dhanalakshmi Sreenivasan College, Permabalur | 2005 | Molecular fingerprinting of marine *Synechococcus* strains by Short Tandemly Repeated Repetitive (STRR) sequences and Repetitive Element PCR. |
| **14.** | **M. Satheesh Kumar** | Dept. of Ecobiotechnology Bharathidasan University, Tiruchirappalli | 2005 | Biodegradation of Hydrocarbons by Hypersaline Cyanobacterium *Phormidium tenue* KMD 33 |
| **15.** | **G. Sathyaprabha** | Dept. of Microbiology A.V.V.M. Sri Pushpam College, Poondi, Thanjavur – 613 503 | 2006 | Molecular Characterization of Marine *Phormidium valderianum* strains using RAPD-PCR |
| **16.** | **J. Kalaivani** | Dept. of Microbiology A.V.V.M. Sri Pushpam College Poondi – 613 503, Thanjavur | 2006 | Molecular Characterization of Marine Unicellular Cyanobacteria by Randomly Amplified Polymorphic DNA (RAPD) PCR |
| **17.** | **M. Sundaramoorthy** | Dept. of Microbiology Bharathidasan University Tiruchirappalli | 2006 | Morphological, Molecular and Phylogenetic Characterization of Symbiotic Cyanobacteria from different Cycads |
| **18.** | **D. Mubarak ali.** | Dept. of Microbiology Bharathidasan University Tiruchirappalli | 2008 | Biosynthesis and characterization of silver nanoparticles using marine cyanobacteria |
| **19.** | **M. Sasikala** | Dept. of Microbiology Bharathidasan University Tiruchirappalli | 2008 | Biosynthesis and characterization of zinc oxide nanoparticles from cyanobacteria |

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|---|---|---|---|---|
| **20.** | **M. Sundaravadivel.** | Dept. of Microbiology<br>Bharathidasan University<br>Tiruchirappalli | 2008 | Screening for the potentials of C*hroococcus turgidus*, a fresh water cyanobacterium. |
| **21.** | **A. Parvez Ahamed** | Dept. of Microbiology<br>Bharathidasan University<br>Tiruchirappalli | 2010 | Molecular Characterization of marine and freshwater Microalgae. |
| **22.** | **K. Johncy** | Dept. of Microbiology<br>Bharathidasan University<br>Tiruchirappalli | 2010 | Isolation and Biochemical characterization of Microalgal lipids |
| **23.** | **K. Rajeshwari** | School of Life Science<br>Bharathidasan University<br>Tiruchirappalli | 2010 | Removal of Cr (VI) and Pb (II) using Immobilized and Free cells of Marine *Oscillatoria* sp. NTMS01 and *Phormidium* sp. NTMS02 |
| **24.** | **N. Reehana** | Department of Microbiology<br>Jamal Mohamed College<br>Tiruchirappalli – 620 020 | 2010 | Partial Characterization of Phycocyanin gene from cyanobacteria – *Oscillatoria salina* NTDM51 and *Oscillatoria chlorina* NTDM56. |
| **25.** | **M. Leo Antony** | Post M.Sc. advanced Diploma in Molecular Diagnostics<br>Dept. of Biotechnology<br>Bharathidasan University,<br>Tiruchirappalli | 2010 | PCR based analysis of indoor air fungal contaminants using transcribed spacer sequence variability. |
| **2/26.** | **K. Kannan** | Dept. of Microbiology<br>Bharathidasan University<br>Tiruchirappalli | 2011 | Molecular characterization of Symbiotic and Epiphytic Cyanobacteria from *Azolla*. |
| **27.** | **R. Santhosh** | Dept. of Microbiology<br>Bharathidasan University<br>Tiruchirappalli | 2011 | Screening of antibacterial compounds from *Trichoderma viride* NTDNF01 |
| **28.** | **K. Sharmila Banu** | Dept. of Microbiology<br>Bharathidasan University<br>Tiruchirappalli | 2011 | Isolation and Biotechnological applications of Freshwater cyanobacteria from Myanmer. |
| **29.** | **R. Jayamitra** | Dept. of Microbiology<br>Bharathidasan University<br>Tiruchirappalli | 2011 | Antibacterial activity of Microbes isolated from Marine Gastropod. |
| **30.** | **S. Hajira Fathima** | Department of Microbiology<br>Jamal Mohamed College<br>Tiruchirappalli – 620 020 | 2012 | Effect of dried chicken waste on growth and partial characterization of |

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| | | | | fresh water microalga, *Botryococcus* sp., NTAI06 |
| **31.** | **J. Rosy Preethi** | Department of Microbiology Jamal Mohamed College Tiruchirappalli – 620 020 | 2012 | Structural Analysis of c-Phycocyanin gene from cyanobacterium *Oscillatoria nigroviridis* NTRI01 |
| **32.** | **B. Kanimozhi** | Department of Microbiology Jamal Mohamed College Tiruchirappalli – 620 020 | 2012 | Evaluation of different pre-treatment methods for efficient degradation of lignocelluloses from coir waste |
| **33.** | **P. Banumathi** | Department of Microbiology Jamal Mohamed College Tiruchirappalli – 620 020 | 2012 | Biodiversity of freshwater microalgae and Bioremediation of textile dye effluents using *Coelastrella* sp. NTER01 |
| **34.** | **Lewis Oscar, F** | Dept. of Microbiology Bharathidasan University Tiruchirappalli | 2012 | Growth and nutrient removal from urban waste water by microalgae: An attempt to raise biomass for bioethanol production. |
| **35.** | **E. Baldev** | Dept. of Microbiology Bharathidasan University Tiruchirappalli | 2012 | Ecofriendly bioremediation and nanobiotechnological applications of molecularly characterized fresh water microalga *Coelastrella* sp. NTEB01. |
| **36.** | **M. Sivaranjani** | Dept. of Microbiology Bharathidasan University Tiruchirappalli | 2012 | Evaluation of chemical induced carotenogenesis in *Tetradesmus* sp. NTAI04 |
| **37.** | **S.A. Mohamed Shahin** | Dept. of Microbiology Bharathidasan University Tiruchirappalli | 2012 | Phenotypic detection of metallo β – lactamase producers including multidrug resistant bacteria from burned patients and its antimicrobial activity from soil actinomycetes. |
| **38.** | **R. Priyanka** | Dept. of Microbiology Bharathidasan University Tiruchirappalli | 2013 | *In vitro* anti biofilm activity of copper nanoparticles against bacterial and fungal biofilm. |
| **39.** | **K. Nithya** | Dept. of Microbiology Bharathidasan University Tiruchirappalli | 2013 | Antibiofilm activity of *Spirulina* extract against gram positive and gram |

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| | | | | negative bacterial and fungal pathogens. |
| **40.** | **R. Chinnaraju** | Dept. of Microbiology<br>Bharathidasan University<br>Tiruchirappalli | 2013 | Exploration of $CO_2$ sequestration potential of microalgae for biofuel production. |
| **41.** | **A. Julie** | VI year integrated<br>Master of Technology in Biotechnology,<br>School of Biotechnology<br>Bharathidasan University<br>Tiruchirappalli | 2013 | Biochemical and Molecular characterization of selected Cyanobacteria. |
| **42.** | **A. Anbuthangam** | VI year integrated<br>Master of Technology in Biotechnology,<br>School of Biotechnology<br>Bharathidasan University<br>Tiruchirappalli | 2013 | Molecular and phylogenetic characterization of c-phycocyanin gene from the selected cyanobacterial cultures. |
| **43.** | **M. Parveen Banu** | Dept. of Biotechnology<br>Jamal Mohamed College<br>Tiruchirappalli – 620 020 | 2014 | Molecular characterization of selected fresh water cyanobacterial strains using randomly amplified polymorphic DNA (RAPD) - PCR |
| **44.** | **S. Masira Fathima** | Dept. of Biotechnology<br>Jamal Mohamed College<br>Tiruchirappalli–620 020 | 2014 | Evaluation of antioxidant assay with biochemical and molecular characterization of *Oscillatoria tenuis* NTRI20. |
| **45.** | **N. Malarvizhi** | VI year integrated<br>M.Sc. Life Sciences<br>Bharathidasan University<br>Tiruchirappalli | 2014 | Enhancing the nodal regeneration of *Eclipta alba* (L) using extracellular products of *Oscillatoria earlei* NTSS17. |
| **46.** | **M. Lavania Ramachandran** | Dept. of Microbiology<br>Bharathidasan University<br>Tiruchirappalli | 2014 | Extraction and optimization of exopolysaccharide (EPS) from cyanobacteria with special reference to their biotechnological applications. |
| **47.** | **S. Poornima** | Dept. of Microbiology<br>Bharathidasan University<br>Tiruchirappalli | 2014 | Extraction and characterization of Scytonemin from selected cyanobacteria. |
| **48.** | **M.P. Kartheeswari** | Dept. of Microbiology<br>Bharathidasan University<br>Tiruchirappalli | 2014 | Development of organic culture medium and downstream processing |

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| | | | | technology for microalga *Coelestrella* sp. NTAI15. |
| **49.** | **M. Parveen Banu** | Dept. of Biotechnology<br>Jamal Mohamed College<br>Tiruchirappalli–620 020 | 2014 | Molecular characterization of selected freshwater cyanobacterial strains using Randomly Amplified Polymorphic DNA (RAPD)-PCR. |
| **50.** | **M. Pushpa** | Department of Microbiology<br>Periyar University<br>Salem – 636 011 | 2014 | Biochemical and Molecular characterization of *Oscillatoria calcuttensis* NTRI19 |
| **51.** | **G. Subramani** | Department of Microbiology<br>Periyar University<br>Salem – 636 011 | 2014 | Molecular characterization and *in silico* analysis of 16S rRNA gene from selected cyanobacterial cultures. |
| **52.** | **R. Kavitha** | Department of Microbiology<br>AVS College of Arts & Science. Salem-636106 | 2014 | Screening for the antipathogenic potential of *Chroococcus* sp. against *Pseudomonas aeruginosa* |
| **53.** | **S. Kanaga** | Department of Microbiology,<br>AVS College of Arts & Science, Salem-636106 | 2014 | Antibiofilm activity of *Chlamydomonas* sp. against *Pseudomonas aeruginosa* |
| **54.** | **M. Prabakaran** | Dept. of Microbiology<br>Bharathidasan University<br>Tiruchirappalli - 620 024 | 2015 | Exploring the antipathogenic potentials of *Oscillatoria acuta* (Q110) against *Pseudomonas aeruginosa* (PA14) |
| **55.** | **M. Ayyappan** | Dept. of Microbiology<br>Bharathidasan University<br>Tiruchirappalli – 620 024 | 2015 | Integrated approach for liquid waste utilization and Algal biomass production. |
| **56.** | **R. Saranya** | Dept. of Microbiology<br>Bharathidasan University<br>Tiruchirappalli – 620 024 | 2015 | Characterization of Microalgal water soluble pigments, their antipathogenic effects and toxicity assessment using *Artemia* as a model system. |
| **57** | **K. Boopathi** | Dept. of Microbiology<br>Bharathidasan University<br>Tiruchirappalli – 620 024 | 2016 | Biobutanol production from marine microalga *Chlorella marina* by anaerobic fermentation. |
| **58** | **S. Kumaravel** | Dept. of Microbiology<br>Bharathidasan University | 2016 | Development of microbial fuel cell (MFC) |

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| | | Tiruchirappalli – 620 024 | | and production of Bioelectricity from freshwater microalgae |
| **59** | **K. A. Jayaraj** | Dept. of Microbiology<br>Bharathidasan University<br>Tiruchirappalli – 620 024 | 2016 | Phyco-bacterial consortia for microalgal biomass production utilizing industrial effluents. |
| **60** | **R. Gayathri** | V year Integrated M.Sc. Life Sciences<br>School of Life Sciences<br>Bharathidasan University<br>Tiruchirappalli – 620 024 | 2016 | Optimization, characterization and production of biomass and released exopolysaccharide from fresh water cyanobacteria isolated from Assam, North – East India. |
| **61** | **S. Emitta** | Pavendar Bharathidasan College of Engineering and Technology<br>Tiruchirappalli – 620 024 | 2016 | Development of Microalgae and cyanobacteria consortium for bioremediation of textile industry effluents |
| **62** | **J. Shajidha Banu** | V year Integrated M.Sc. Biomedical Science<br>School of Biomedical Sciences<br>Bharathidasan University<br>Tiruchirappalli – 620 024 | 2016 | Screening and production of carbonic anhydrase from freshwater microalgae efficient $CO_2$ capture |
| **63** | **N. Vimala** | Thassim Beevi Abdul Kader College for Women<br>Kilakarai<br>Ramanathapuram – 623 517 | 2016 | Biochemical composition and chemotaxonomy of cyanobacteria isolated from Assam, North –East India. |
| **64** | **S. Priyanga** | Thassim Beevi Abdul Kader College for Women<br>Kilakarai<br>Ramanathapuram – 623 517 | 2016 | PCR finger printing (RAPD.M13, STRR) of *Nostoc commune* strains and their 16S rDNA gene identification: a taxonomic study. |
| **65** | **V. Sangeetha** | Anna University<br>BIT Campus<br>Tiruchirappalli – 620 024 | 2016 | Synthesis and anti-MRSA activity of novel series of 4-Amino/ Dimethyl Amino 4-Morpholino 1,6 Dibromohexyl Phridinium Bromide. |
| **66** | **S. Elavarasi** | Department of Microbiology<br>Selvam Arts & Science College, Namakkal | 2017 | Studies on plant growth promotion and partial characterization of two heterocystous cyanobacteria for improving food grains. |
| **67** | **A. Rohini** | Department of Microbiology | 2017 | Microalgal biodiversity from Panjapur, |

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| | | Selvam Arts & Science College, Namakkal | | Tiruchirappalli, Tamilnadu. |
| **68** | **S. Lakshmi** | Department of Microbiology Selvam Arts & Science College, Namakkal | 2017 | Isolation and partial characterization of bacteria isolated from marine soil. |
| **69** | **G. Vinitha** | Dept. of Microbiology Bharathidasan University Tiruchirappalli – 620 024 | 2017 | Synthesis and characterization of nanocatalyst for transesterification process in biodiesel production using microalgae. |
| **70** | **N. Sangeetha** | Dept. of Microbiology Bharathidasan University Tiruchirappalli – 620 024 | 2017 | Study of biomass production, stress induced enhancement of extracellular polysaccharides and development of biolubricant from cyanobacteria isolated from Assam, north-east India |
| **71** | **N. Madhavi** | Dept. of Microbiology Bharathidasan University Tiruchirappalli – 620 024 | 2017 | Molecular typing of MRSA isolated from nasal swabs |
| **72** | **M. Venkatesh** | Dept. of Microbiology Bharathidasan University Tiruchirappalli – 620 024 | 2017 | Plasma (Gas Phase) mediated preparation of axenic culture of cyanobacterium *Synechococcus elongates* |
| **73** | **V. Revathi** | Dept. of Microbiology Bharathidasan University Tiruchirappalli – 620 024 | 2017 | Assessment of $H_2O_2$ producing microalgae for treatment of textile dye effluent |
| **74** | **K. Bervin** | Dept. of Microbiology Bharathidasan University Tiruchirappalli - 620 024 | 2018 | Phycoremediation of textile effluent by microalgae *Chlorococcum humicola* |
| **75** | **V. Bhuvaneswaran** | Dept. Microbiology, Bharathidasan University Tiruchirappalli – 620 024 | 2018 | Effects of NiO and Ag doped NiO nanoparticles against biofilm forming methicillin resistant *Staphylococcus aureus* (MRSA) strains |
| **76** | **A. Sabarinathan** | Dept. Microbiology, Bharathidasan University, Tiruchirappalli – 620 024 | 2018 | An investigation on the activity of MgO nanoparticles against cancer cells and urolithiasis causing bacteria |

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| **77** | **Sivasankari S** | Dept. of Microbiology, Bharathidasan University, Tiruchirappalli – 620 024 | 2018 | Increasing of cell growth and lipid production of fresh water microalgae *Chlorella vulgaris* by enriched methods for biodiesel production |
| **78** | **Selva Kumar V** | Dept. of Microbiology, Bharathidasan University, Tiruchirappalli – 620 024 | 2018 | An investigation of anti-algal compounds from *Peltophorum pterocarpum* Heyne for the maintenance of drinking water system: green chemistry approach |
| **79** | **Padma Priya S** | Dept. of Microbiology, Bharathidasan University, Tiruchirappalli – 620 024 | 2018 | Synthesis and characterization of MgO nanoparticles used as catalyst for biodiesel production |
| **80** | **Aakila Banu S** | P.G. and Research Dept. of Biotechnology, Jamal Mohamed College, Tiruchirappalli – 620 020. | 2018 | Characterization of exopolysaccrides, proteins and pigments from *Nostoc muscorum* and *Gloeotrichia* sp. |
| **80** | **Girija N** | P.G. and Research Dept. of Biotechnology Jamal Mohamed College, Tiruchirappalli – 620 020. | 2018 | Characterization of exopolysaccharides , Proteins and pigments from *Phormidium tenue* and *Nostoc microscopicum* |
| **81** | **Saranya U** | P.G. and Research Dept. of Biotechnology, Jamal Mohamed College, Tiruchirappalli – 620 020. | 2018 | Characterization of exopolysaccharides, proteins and pigments from *Cyanothece* sp. and *Calothrix desertica* |
| **82** | **Manjula S** | P.G. and Research Dept. of Microbiology, Jamal Mohamed College, Tiruchirappalli – 620 20. | 2019 | Interference of Curcumin activity on *Spirulina platensis* and *Chroococcus* sp. |
| **83** | **Martin Rich M** | P.G. and Research Dept. of Microbiology, Jamal Mohamed College, Tiruchirappalli – 620 20. | 2019 | Extraction of bioactive compounds from actinomycetes associated with lichen *Dirinaria applanata* |
| **84** | **Sarveen Banu Z** | P.G. and Research Dept. of Microbiology, Jamal Mohamed College, Tiruchirappalli – 620 020. | 2019 | Synthesis of silver nanoparticles from different cyanobacterial strains |
| **85** | **Jafrin J** | P.G. and Research Dept. of Microbiology, Jamal Mohamed College, Tiruchirappalli – 620 020. | 2019 | Development of *Chlorococcum* sp. axenic culture using gas plasma |

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| **86** | **Rishivandhini A** | P.G. and Research Dept. of Microbiology, Jamal Mohamed College, Tiruchirappalli – 620 020. | 2019 | Microalgae isolation and toxicity of plasticizer dibutyl phthalate on *Chlorococcum* sp. |
| **87** | **Priyadharshini, M** | Dept. of Microbiology, Karpagam Academy of Higher Education, Coimbatore - 641021 | 2019 | Seed germination and antimicrobial activity of biosynthesized AuNPs using cyanobacteria |
| **88** | **V. Arunothaya** | Dept. of Microbiology, Bharathidasan University, Tiruchirappalli – 620 024 | 2019 | Studies on anaerobic Co-digestion of cow dung and algae for enhance biogas production and its sludge used as bio fertilizer for seed germination |
| **89** | **G. Ghadhija Begam** | Dept. of Microbiology, Bharathidasan University, Tiruchirappalli – 620 024 | 2019 | Effects of Anti-Microbial peptides against potential biofilm forming methicillin resistant *Staphylococcus aureus* (MRSA) isolates |
| **90** | **M. S. Kavitha** | Dept. of Microbiology, Bharathidasan University, Tiruchirappalli – 620 024 | 2019 | Bio-separation of extracellular polymeric substances from *Nostoc Microscopicum* and a random scan of its bioactivity |
| **91** | **M. Sobanaa** | Dept. of Microbiology, Bharathidasan University, Tiruchirappalli – 620 024 | 2019 | Biodegradation of phthalate & phenol compounds using freshwater microalgae. |
| **92** | **S. Hariharan** | Dept. of Microbiology, Bharathidasan University, Tiruchirappalli – 620 024 | 2020 | Freshwater microalgal consortium: a cost-effective technology for the bioremediation of textile effluent |
| **93** | **Jincy Kaippachery** | Dept. of Microbiology Bharathidasan University, Tiruchirappalli – 620 024 | 2020 | Degradation of hospital released emerging pollutant using phycoremediation process |
| **94** | **S. Vishnu Chitthan** | Dept. of Microbiology Bharathidasan University, Tiruchirappalli – 620 024 | 2020 | Phycobiliprotein extraction from cyanobacteria and its applications |
| **95** | **M. Durga** | Dept. of Microbiology Bharathidasan University, Tiruchirappalli – 620 024 | | Extraction of Bioactive compounds from Actinomycetes associated with Lichen |
| **96** | **K. Gowsalya** | Department of Microbiology Cauvery College for Women, Tiruchirappalli | 2020 | Nutrient limitation as a strategy for increasing |

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| | | | | starch amass in fresh water microalgae |
| **97** | **Z.H. Ishrath Fathima** | P.G. and Research Dept. of Microbiology<br>Jamal Mohamed College<br>Tiruchirappalli – 620020. | 2020 | Phycoremediation of textile and tannery effluents using microalgae and its biofuel production |
| **98** | **H. Azeema Begam** | P.G. and Research Dept. of Microbiology<br>Jamal Mohamed College,<br>Tiruchirappalli – 620 20. | 2020 | A study of Extended Spectrum β-Lactamase (ESBL) producing bacteria from clinical isolates |
| **99** | **R. Rajeswari** | Dept. of Biotechnology<br>Kamaraj College of Engineering & Technology<br>K. Vellakulam<br>Madurai District<br>(Anna University) | 2020 | Phycoremediation of tannery effluent using cyanobacteria and its impact on seed germination of *Trigonella foenum-graecum* |
| **100** | **S. Almass** | PG & Research Dept. of Microbiology,<br>Jamal Mohamed College (Autonomous)<br>Tiruchirappalli – 620 020 | 2021 | Anti-dermatophytic activity of Lichen associated Actionobacteria isolated from Yercaud Hills, Tamil Nadu, India |
| **101** | **M. Preethi** | PG & Research Dept. of Microbiology,<br>Jamal Mohamed College (Autonomous)<br>Tiruchirappalli – 620 020 | 2021 | Biodegradation of Triclosan by using Fresh water Microalgae |
| **102** | **P. Subhashini** | PG & Research Dept. of Microbiology,<br>Jamal Mohamed College (Autonomous)<br>Tiruchirappalli – 620 020 | 2021 | Bioprospecting and pigment extraction of Lichen associated Actinobacteria and screening of their antibacterial activity against multi drug resistant bacterial pathogens |
| **103** | **H. Salma** | PG & Research Dept. of Microbiology,<br>Jamal Mohamed College (Autonomous)<br>Tiruchirappalli – 620 020 | 2021 | Biodegradation of Octylphenol by using Fresh water Microalgae |
| **105** | **G. Sana Begam** | PG & Research Dept. of Microbiology,<br>Jamal Mohamed College (Autonomous)<br>Tiruchirappalli – 620 020 | 2021 | Anti- bacterial activity of Lichen associated Actinobacteria collected from Kolli Hills, Tamil Nadu against multi drug resistant bacterial pathogens |

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| **106** | **S. Vengadesh** | 5-year Integrated M.Sc. Life Sciences<br>School of Life Sciences<br>Bharathidasan University<br>Tiruchirappalli 620 024 | 2021 | Bioremediation of heavy metals using microalgae for Biodiesel Production |
| **107** | **S. Harish Kumar** | 5-year Integrated M.Sc. Life Sciences<br>School of Life Sciences<br>Bharathidasan University<br>Tiruchirappalli 620 024 | 2021 | Removal of pollutants from textile mill effluent using microalgae-bacteria consortium for biofuel production |
| **108** | **S. Adhvaija** | 5-year Integrated M.Sc. Life Sciences<br>School of Life Sciences<br>Bharathidasan University<br>Tiruchirappalli 620 024 | 2021 | Taxonomic marker development for cyanobacteria |
| **109** | **M. Vijay Kumar** | Dept. of Microbiology<br>Bharathidasan University,<br>Tiruchirappalli – 620 024 | 2021 | Synthetic dye degradation using microalgae and estimation of microalgal compositional assay |
| **110** | **M. Priyadarshini** | Dept. of Microbiology<br>Bharathidasan University,<br>Tiruchirappalli – 620 024 | 2021 | Phycoremediation of waste water using microalgae |
| **111** | **R. Sageetha** | Dept. of Microbiology<br>Bharathidasan University,<br>Tiruchirappalli – 620 024 | 2021 | Evaluation of antimicrobial and anticancer activity of silver nanoparticles synthesized from cyanobacterial phycocyanin |
| **112** | **S. Rubini** | Dept. of Microbiology<br>Bharathidasan University,<br>Tiruchirappalli – 620 024 | 2021 | Taxonomic marker development for cyanobacteria |
| **113** | **V. Shalini** | Dept. of Microbiology<br>Bharathidasan University,<br>Tiruchirappalli – 620 024 | 2021 | Chitosan mediated synthesis of silver nanoparticles for antibacterial, anticancer activities and its flocculation potentials of microalgal biomass. |
| **114** | **Ms. A. Kifaya Parveen** | Dept. of Microbiology,<br>Jamal Mohamed College (Autonomous),<br>Tiruchirappalli – 620 020 | 2022 | Exploration of cyanobacterial species for exopolysaccharide production and its applications |
| **115** | **Ms. S. Rizwana Begum** | Dept. of Microbiology,<br>Jamal Mohamed College (Autonomous),<br>Tiruchirappalli – 620 020 | 2022 | Study of Peptide activity from *Spirulina* sp against non Dermatophytic fungi: *Fusarium lichenicola* |
| **116** | **Ms. K. Annalakshmi** | Dept. of Microbiology,<br>Jamal Mohamed College | 2022 | Extraction of violacein pigment from bacteria and |

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| | | (Autonomous), Tiruchirappalli – 620 020 | | study on its potential applications |
| **117** | **Ms. B. Fathima Fahmidha** | Dept. of Microbiology, Jamal Mohamed College (Autonomous), Tiruchirappalli – 620 020 | 2022 | Effect of light intensities on growth and lipid accumulation in *Scenedesmus dimorphus* using photobioreactor" |
| **118** | **Ms. A. Priyadharshini** | Dept. of Microbiology, Jamal Mohamed College (Autonomous), Tiruchirappalli – 620 020 | 2022 | Evaluation of microalgal strains and their consortium for higher lipid productivity in photobioreactor |
| **119** | **Ms. M. Thakira Banu** | Dept. of Microbiology, Jamal Mohamed College (Autonomous), Tiruchirappalli – 620 020 | 2022 | Screening and growth media optimization of microalgae for lipid enhancement |
| **120** | **Ms. A. Almas Banu** | Dept. of Microbiology, Jamal Mohamed College (Autonomous), Tiruchirappalli – 620 020 | 2022 | Diversity of cyanobacteria in temple pond and their bioactive compound extraction studies |
| **121** | **Ms. P. Kashmeera** | Dept. of Microbiology, Jamal Mohamed College (Autonomous), Tiruchirappalli – 620 020 | 2022 | Isolation and identification of antioxidant peptide obtained from two unicellular green algae |
| **122** | **Ms. R. Prisika** | Dept. of Microbiology, Jamal Mohamed College (Autonomous), Tiruchirappalli – 620 020 | 2022 | Antibiofilm effect of *Chlorococcum* sp. extract on six different bacterial pathogens |
| **123** | **Ms. M. Sangeetha Priya** | Dept. of Microbiology, Jamal Mohamed College (Autonomous), Tiruchirappalli – 620 020 | 2022 | Biodegradation of Dimethyl phthalate by fresh water microalga *Chlorocccum* sp. |
| **124** | **Ms. M. Swathi** | Dept. of Microbiology Bharathidasan University, Tiruchirappalli – 620 024 | 2022 | Microalgal synthesis of Nanoparticles application in textile dye degradation |
| **125** | **Ms. S. Dhanasree** | Dept. of Microbiology Bharathidasan University, Tiruchirappalli – 620 024 | 2022 | Beta- lanine as a colouring agent for preparation of yoghurt |
| **126** | **Ms. K. Bhuvaneshwari** | Dept. of Microbiology Bharathidasan University, Tiruchirappalli – 620 024 | 2022 | Development of Microalgal consortia for improving the lipid content under outdoor condition |
| **127** | **Ms. P. Abirami** | Dept. of Microbiology Bharathidasan University, Tiruchirappalli – 620 024 | 2022 | Phycoremediation of Triclosan using two green algal species |
| **128** | **Mr. S. Rajkumar** | 5-year Integrated M.Sc. Life Sciences | 2022 | Biodiversity, Isolation and Purification of |

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| | | School of Life Sciences<br>Bharathidasan Univesity<br>Tiruchirappalli 620 024 | | Microalgae and Cyanobacteria from different agricultural fields and screening of *Chlorella* isolates for lipid content |
| **129** | **Ms. G. Sindhuja** | 5-year Integrated M.Sc. Life Sciences<br>School of Life Sciences<br>Bharathidasan University<br>Tiruchirappalli 620 024 | 2022 | Green Synthesis of Silver and Zinc Nanoparticles from *Oscillatoria* sp. |
| **130** | **Ms. S. Sangeetha Kalaimani** | 5-year Integrated M.Sc. Life Sciences<br>School of Life Sciences<br>Bharathidasan University<br>Tiruchirappalli 620 024 | 2022 | Bioremediation of Waste using Microalgae |
| **131** | **Ms. R. Marriyam Priyanka** | 5-year Integrated M.Sc. Life Sciences<br>School of Life Sciences<br>Bharathidasan University<br>Tiruchirappalli 620 024 | 2022 | Extraction of Phycobiliproteins from Cyanobacteria and its Potential Applications |
| **132** | **Ms. R. Ananthi** | Dept. of Microbiology,<br>Bharathidasan University<br>Tiruchirappalli - 620 024 | 2023 | Enhancing pigment production in the cyanobacterial consortium in response to various light sources |
| **133** | **Mr. N. Ashokumar** | Dept. of Microbiology,<br>Bharathidasan University<br>Tiruchirappalli - 620 024 | 2023 | Development of a Cost Effective Real – Time PCR Kit for the detection of *Mycobacterium tuberculosis* complex and MDR – TB by targeting the gene IS6110, IS1081, rpoB, inhA, katG |
| **134** | **Ms. K. Kousalya** | Dept. of Microbiology,<br>Bharathidasan University<br>Tiruchirappalli - 620 024 | 2023 | Bioremediation of Industrial Effluent Using Microalgae and Cyanobacteria |
| **135** | **Ms. M. Menaka** | Dept. of Microbiology,<br>Bharathidasan University<br>Tiruchirappalli - 620 024 | 2023 | Enhancement of Biodiesel Production in Microalgal Consortia |
| **136** | **Ms. M. Vijayanandhini** | Dept. of Microbiology,<br>Bharathidasan University<br>Tiruchirappalli - 620 024 | 2023 | Identification of bioactive metabolites from Cyanobacteria |
| **137** | **Ms. R. Abarna** | Dept. Microbiology<br>Cauvery College for Women (Autonomous)<br>Tiruchirappalli – 620 018 | 2023 | Biodegradation of endocrine disruptor |

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| | | | | triclosan using Freshwater Green alga *Chlorella* sp. |
| **138** | **Ms. S. Nazeera Begum** | Dept. Microbiology<br>Cauvery College for Women (Autonomous)<br>Tiruchirappalli – 620 018 | 2023 | Antibacterial and antibiofilm activity of Methanolic and aqueous *Chlorella* sp. extracts against pathogenic microorganisms |
| **139** | **Ms. N. Sangeetha** | Dept. Microbiology<br>Cauvery College for Women (Autonomous)<br>Tiruchirappalli – 620 018 | 2023 | Antibacterial and antioxidant potential of green synthesized silver nanoparticles using *Oscillatoria* sp. extract |
| **140** | **Ms. N. Thashmina** | Dept. Microbiology<br>Cauvery College for Women (Autonomous)<br>Tiruchirappalli – 620 018 | 2023 | Biofilm inhibitory and antibacterial potential of *Oscillatoria* sp. extract against pathogenic microorganism |
| **141** | **Ms. D. Kohila** | 5-year Integrated M.Sc. Life Sciences<br>School of Life Sciences<br>Bharathidasan University<br>Tiruchirappalli 620 024 | 2023 | Bioremediation of Alkaline Effluent using Microalgal Consortia |
| **142** | **Mr. E. Akilan** | 5-year Integrated M.Sc. Life Sciences<br>School of Life Sciences<br>Bharathidasan University<br>Tiruchirappalli 620 024 | 2023 | Bioremediation of Acidic Effluent using Microalgal Consortia |

## 25. Tamilnadu State Council for Science & Technology (Dept. of Science & Technology) (TNSCST) Grants for Student Research Projects

| No. | Name of the student | Project title & Duration | Funds |
|---|---|---|---|
| **1** | **Santhosh. R** | Screening of anti-dermatomycotic compounds from *Trichoderma viride* (August 2010- March 2011) | Rs. 6,000/- |
| **2** | **Jayamithra. R** | Antibiotics from marine invertebrates (August 2010-March 2011) | Rs. 6,000/- |
| **3** | **Baldev. E** | Eco-friendly decolorization of textile and laboratory dyes and optimization studies by fresh water microalgae. (August 2011-March 2012) (**Won First place for the Best Presentation from TNSCST**) | Rs. 6,000/- |
| **4** | **Chinnaraju. R** | Biobutanol production with microalgae (August 2012-March 2013) | Rs. 10,000/- |

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| **5** | **Priyanka. R** | *In vitro* and *in vivo* antibiofilm activity of copper nanoparticles against aquaculture pathogens. (August 2012-March 2013) | Rs. 10,000/- |
| **6** | **N. Sangeetha** | Study of biomass production, stress induced enhancement of extracellular polysaccharides and development of biolubricant from cyanobacteria isolated from Assam, North-East India. (August 2016 – March 2017) | Rs. 10,000/- |
| **7** | **M. Venkatesh** | Study on the effective inhibition of nosocomial pathogens using gas-phase plasma (quantum) (August 2016 – March 2017) | Rs. 10,000/- |
| **8** | **S. Padma Priya** | Synthesis of MgO nanoparticles as catalyst for transesterification of algal oil to biodiesel: An eco-friendly approach (August 2017 – March 2018) | Rs. 10,000/- |
| **9** | **K. Rajesh** | Bacteriophages as a potent tool to combat the *Vibrio* spp. biofilms in aquaculture industries (2020). | Rs. 7,500/- |
| **10** | **S. Dhanasree** | Betalanin as a colouring agent for preparation of yoghurt (2021 – 2022) | Rs. 7,500/- |
| **11** | **M. Swathi** | Microalgal synthesis of nanoparticles application in textile dye degradation (2021 - 2022) | Rs. 7,500/- |

**26. Papers presented and attended in Conferences/ Seminars/Symposia** :

**(*58 Papers have received Best Paper Awards / Cash Prize)**

**INTERNATIONAL LEVEL :**

**1) Second Asia - Pacific Conference on Algal Biotechnology.** National University of Singapore**, Singapore.** April, 25 – 27, 1994

**1**. Subramanian, G., Uma, L., Prabaharan, D., Sundararaman, M. and Thajuddin, N. (1994) Biotechnological potential of the marine cyanobacterium *Phormidium valderianum*.

**2). Micon International Conference** - Association of Microbiologists of India, Mysore. November 9 – 12, 1994

**2.** Thajuddin, N. and Subramanian, G. (1994) Seasonal variation of marine planktonic cyanobacteria in Mandapam - Kurusadai island region.

**3). International Symposium on Cyanobacterial Biotechnology.** Bharathidasan University, Tirchirappalli. September, 18-21, 1996.

**3.** Thajuddin, N., Sundararaman, M., Sekar, S., Malliga, P. and Subramanian, G. (1996) Marine Cyanobacterial flora of south and middle Andaman Islands.

**4).4$^{th}$Asia-Pacific Conference on Algal Biotechnology**, University of Honk Kong, Honk Kong, July 3 – 6, 2000.

**4.** Thajuddin, N❖., Subramanian, G. and Nagarkar, S. (2000) Marine Cyanobacterial Biodiversity from Andaman Islands, India.

**5). Asia-Pacific Conference on Marine Science & Technology** - Marine Science into the new Millennium: New Perspectives and Challenges. Kula Lumpur, Malaysia. May,12 – 16, 2000

**5.** Nagasathya A. and Thajuddin N. (2000) Biodiversity of cyanobacteria from hyper saline environment of Tamil Nadu, India.

**6). International Symposium on fresh water aqua culture–potentials and prospects**, A.V.V.M. Sri Pushpam College, Poondi, Thanjavur District November 12-13, 2003.

**6.** Thajuddin, N.❖ (2003). Biodiversity and Biotechnological applications of Cyanobacteria

**7). International Conference on Recent Advances in Biosciences**. PGP College of Arts and Sciences, Namakkal, India. February 12-13, 2004

**7**. Mohan, S., Vijay Antony, M., Kasinathan, P. and Thajuddin, N. (2004) Phytase production by solid state fermentation.

8. Vijay Antony, M., Mohan, S., Kasinathan, P. and Thajuddin, N. (2004) Biostoning action of purified cellulases from a mutant *Trichoderma viride* on cotton fibres and yarn.

**8). Biology in Asia International Conference,** National University of Singapore Singapore. December 7 –10, 2004.

9. Thajuddin, N❖ and S. A. Nierzwicki Bauer (2004) Biodiversity of bacterial symbionts associated with *Azolla* spp. : a 16SrRNA approach.

10. Nagasathya, A. and N. Thajuddin❖(2004) Bioremidiation of paper mill effluents by using hypersaline cyanobacterium *Phormidium tenue* KMD 33.

11. Jayachitra, K., S. S. Sudha., A. Panneerselvam and N. Thajuddin (2004)Comparative study on the biodiversity of cyanobacteria (Blue-green algae) from freshwater and marine environments of South India.

12. Usha, S., A. Panneerselvam and Thajuddin, N. (2004) Vitamins and minerals in *Calocybe indica* (APH2).

**9) International Conference on Coastal Hazards**. SASTRA Deemed University, Tanjavur. February 9 – 11, 2005.

13. Dhanasekaran, D., Ramprasath, C., Rajakumar, G., Panneerselvam, P. and Thajuddin, N. (2005) Novel peptide Antibiotic produced by marine *Streptomyces noursei* from saltpan of Tamilnadu.

14.Dhanasekaran, D., Lakshminarayanan., Panneerselvam, P. and Thajuddin, N. (2005) Screening and characterization of polysaccharide anticoagulant from marine brown seaweed *Sargassum*

**10) Indo-Australian Conference on Biotechnology in Infectious diseases.** Kasturiba Medical College, Manipal, India. March 1 – 3, 2005.

15. Ganesh Manikandan, S., Saravanan, R., Lakshminarasihman, C., Dharmalingam, K., Jebakumar, B. and Thajuddin, N. (2005) Antibacterial activity of *Punica granatum* epicarp against MRSA.

**11) International Conference on Applied Phycology** University of Delhi, Delhi during 14 – 15, February, 2006**.**

16. Thajuddin, N❖.and G. Subramanian (2006) Biodiversity and molecular phylogeny of marine cyanobacteria.

17. Muralitharan, G. and N. Thajuddin (2006) DNA Fingerprinting and Phylogeny of Marine Cyanobacteria by using RAPD-PCR.

**12) International Conference on "Current Trends in Algal Bioresource Utilization"** Assam University, Silchar, Assam during 4 – 6, December, 2006.

18. Thajuddin, N.❖(2006) Application of molecular tools for the study of biodiversity, taxonomy and phylogeny of symbiotic cyanobacteria from *Azolla*, cycads and cyanolichens.

19. Muralitharan, G. and Thajuddin, N. (2006) Molecular phylogenetic analysis of marine Oscillatoriales by STRR – fingerprinting.

20. Muthukumar, C., Muralitharan, G. and Thajuddin, N. (2006). Phylogenetic relationship of marine cyanobacteria using RAPD and protein fingerprinting.

21. Prabakaran, M., V. Thennarasu, G. Sathyaprabha, A. Panneerselvam and N. Thajuddin (2006). Characterization of marine and hypersaline cyanobacteria using morphological, biochemical and molecular techniques.

22. A. Panneerselvam, Jeyachitra, K. and N. Thajuddin (2006). Biodiversity, characterization and applications of freshwater cyanobacteria

**13) International Conference on Vision on Rural water, Life & Environment for the 21st Century.** Department of Geology, Bharathidasan University, Tiruchirappalli – 620 024, India. 29 – 31 January, 2007.

23. Thajuddin, N.❖ (2007) The Impact of *Trichodesmium* Blooms (Cyanobacterium) in Marine Ecosystem.

24. Muralitharan, G., Muthukumar, C. and N. Thajuddin (2007) Influence of Blue-green algal blooms on fresh water ponds of Thanjavur, Tamilnadu.

**14). 2nd International Symposium on Translational Research on Natural Products & Cancer.** Lonavala, Mumbai, India 9 – 12, December, 2007.

25. Riyasdeen, A., V.S. Periyasamy, C. Preethy Paul, H.S. Jahangir, N. Thajuddin, S. Srinag, H. Krishnamurthy, and M.A. Akbarsha (2007) Novel Streptomyces extracts as apoptosis inducers in cancer cell lines.

**15). The 28th World Congress of Biomedical Laboratory Science – Present & Future**, New Delhi, India. 24 – 28th August, 2008.

26. Suresh, M., Rath, P.K., Panneerselvam, A. and Thajuddin, N. (2008) Incidence of Mycobacterium tuberculosis in cases of female infertility. A prospective study with direct microscopy, culture and real-time PCR for mycobacteria in endometrial biopsy material.

**16. International colloquium on Emerging biotechnologies in Agriculture, Animal health and Productivity**, Alagappa University, Karaikudi, India, 22 – 26, February 2009

**17. 7th Asia Pacific Conference on Algal Biotechnology: New Challenges and Opportunities for the 21st Century. University of Delhi, Delhi 110 007, December 1-4, 2009.**

27. Mubarak Ali, D., Sasikala, M. and N. Thajuddin (2009) Comparative studies on synthesis and characterization of nanoparticles from cyanobacterium *Oscillatoria earlei* NTDM03.

28. Mubarak Ali, D., Divya, C., Gunasekaran, M.and N. Thajuddin Biosynthesis and characterization of Silicon- Germanium Oxide Nanocomposite by Diatoms

29. Muralitharan, G., and N. Thajuddin. Assessment of the genetic diversity and classification of marine cyanobacterial culture collection strains of Indian subcontinent using PCR fingerprinting methods.

30. Praveen Kumar, R., Leo Antony, M., Vijayan, D. and N. Thajuddin. Study on variability in biomass and biochemical composition of the Microalga *Chlorella* sp. in different culture media

31. Satheesh kumar, M., Chackravarthy, R., Ganapathi, A.,and N. Thajuddin - Organogenesis in Tomato PKM1 by Cyanobacterial Extracellular Products (CEPS)

32. Suresh, A., Dhanasekaran, D., and N. Thajuddin. Biodiversity of microalgae among the three different sub rivers of Cauvery in Tiruchirappalli district, Tamilnadu

33. Thajuddin, N. Morphological and molecular taxonomy of symbiotic cyanobacteria

**18.International Conference on Aquatic Microbiology (Status, Challenges and Opportunities) organized by CAS in Marine Biology, Annamalai University Parangipettai – 608 502, September 2 - 4, 2010.**

34. Thajuddin, N. – Molecular Taxonomy of Cyanobacteria.

**19. 111th Annual Meeting of the American Society for Microbiology, May 21- 24, 2011, New Orleans, Louisiana. USA**

35. Prabakaran, M. Panneerselvam, A., Thajuddin, N., Stokes, I., and M. Gunasekaran, M. 2011. Screening and characterization Antimicrobials from the members of Oscillatoriaceae (Cyanobacteria) against MRSA, Gram positive and Gram-negative bacteria. Abstract # 3186.

**20. International Conference on "Impact of Physical Sciences on Biology" organized by Queen Mary's College, Chennai 600 004, July 7 – 9, 2011.**

36. Arvind Kumar, R. and N. Thajuddin. - Diversity of Marine Microalgae from Manora coast (Palk Strait) Thanjavur District, Tamilnadu, India.

37. ***Ilavarasi, A. and N. Thajuddin. - Isolation and screening of fresh water microalgae for carotenoids**

38. ***Johncy K, Praveenkumar, R and N. Thajuddin. - Study on the response of *Chlorococcum* sp., BUM11004 towards nitrogen starved regime: Focus towards increasing lipid production for biodiesel feedstock**

39. Karthiga Devi. K, Moorthy.K and Thajuddin, N. - Bacteriocin and cellulose production by *Lactobacillus brevis* from raw cow milk

40. Manivannan. N, Thajuddin.N and Thilagavathy Daniel - Screening of native phosphate solubilizing bacteria isolated from cow-pea rhizosphere for enriching the vermicompost

41. Mubarak Ali, D., Gunasekaran, M and N. Thajuddin. - Biosynthesis of silver nanoparticles using plant extract of *Menthapiperita* and biomedical application.

42. Gayathri, R., Parveez Ahamed, A., Soundararajan, S., Mubarak Ali, D and N. Thajuddin. - Antimicrobial property and Molecular Phylogeny of soil fungi isolated from Myanmar.

43. Praveenkumar R., Shameera K., Mahalakshmi G.and N. Thajuddin. - Influence of nutrient deprivations on lipid accumulation in a dominant indigenous microalga *Chlorella* sp., BUM11008: Evaluation for biodiesel production

44. Kamaraj Rajeshwari, Muthukannan Satheeshkumar and Nooruddin Thajuddin - Biosorption of Chromium (VI) ions using immobilized and free cyanobacterial filaments.

45. Reehana, N., Mubarak Ali, D and N. Thajuddin. - Structural analysis of c-phycocyanin gene from the selected Cyanobacteria

46. Muthukannan Satheeshkumar, Kamaraj Rajeshwari, Nooruddin Thajuddin - Biosorption of Lead ($Pb^{2+}$) using cyanobacterial biofilters

47. Suresh, A., Dhanasekaran, D., and N. Thajuddin. - Microalgal diversity from hill stations of Tamil Nadu, India

48. Vijayan, D., Muralitharan, G. and N. Thajuddin. - Multiple copies of $tRNA^{fMet}$ group I self-splicing introns in filamentous Cyanobacteria.

**21. The Annual Meeting of 4 Leading Scientific Societies. *Botanical Society of America*, Botany 2011 - Healing the Planet. Chase Park Plaza, St. Louis, Missouri, USA. July 9 – 13, 2011.**

49. Mubarak Ali D., Johnson S., Shenbagavalli, T., Mari Nivetha, T., Praveenkumar R., Ilavarasi A., Parveez Ahamed A., Thajuddin N., and Gunasekaran M . Nutritional based optimization of increased lipid content in freshwater microalgae, *Scenedesmus bijugatus* var *bicellularis* for biodiesel feedstock. (Phycological Section/BSA Economic Botany Section.) Abstract # 343.

50. Ilavarasi A., Thajuddin N., and Gunasekaran, M. *Monoraphidium sp*, HM 768826: A suitable sustainable lipid source for biodiesel production. (Phycological Section/BSA Economic Botany Section.). Abstract # 341.

51. Deepa, S., Duncan K., Panneerselvam A., Prabhakaran, M., Thajuddin, N. and Gunasekaran, M., Biodiversity, Antimicrobial Activity and Molecular Characterization of Actinomycetes from Salt Pan Environment. (Genetics Section/Mycological Section) Abstract # 287.

52. Mubarak Ali D., Praveenkumar R., Stokes. I., Shenbagavalli, T., Mari Nivetha, T., Ilavarasi, A., Parveez Ahamed, A., Thajuddin N. and Gunasekaran M. Morphological, biochemical, molecular and antimicrobial characterization of *Trichoderma viride* NTDMF01. (Genetics Section/Mycological Section) Abstract # 297.

53. Shenbagavalli, T., Duncan, K., Mubarak Ali, D., Praveen Kumar, R., N. Thajuddin, N. and Gunasekaran, M. Antimicrobial activities of fatty acid methyl esters (FAME) of *Scenedesmus bijugatus* var. *bicellularis*. (Phycological Section/BSA Economic Botany Section.) Abstract # 344.

**22. International Conference *on "Emerging Trends in Biomarker Research – Prospects & Challenges" - ICBR 2013*** organized by the **Biomarkers Research Society**, Hyderabad on September 13-14, 2013.

54. Rasheed. M.U, Kaiser Jamil, N. Thajuddin, Mukesh Pasupuleti, Parveez Ahamed, Muthukumaresan, K.P. Virulent genes *stx1*, *stx2* and *hly*A as biomarkers for the identification of Shiga-toxigenic *E. coli* in food and water samples collected in and around Hyderabad, India.

**23**. ***22nd Europian Biomass Conference and Exhibition,* Algae Event 2014** at Congress Center Hamburg (CCH), Hambarg, Germany on June 25, 2014.

55. Thajuddin, N., Shatheesh Kumar, M. and Muralitharan, G. – Biodegradation of hydrocarbons and IAA production by cyanobacteria.

**24. 3rd Asia-Oceania Algae Innovation Summit,** Daejeon, Korea, November 17 – 20, 2014

56. Durairaj Vijayan, Gangatharan Muralitharan, and Nooruddin Thajuddin - Optimization of PCR conditions for analysing the Cyanobacterial $tRNA^{fMet}$ (AUG) Gene Group I Intron using Touch Down and Band - Stab PCR Methods.

**25. International Conference on Recent Trends in Biological Research- organized the by Department of Microbiology, Ayya Nadar Janaki Ammal College, Sivakasi, Tamil Nadu on December-22, 2015.**

57. R. Thangaraj, D. Pandiaraj and N. Thajuddin. Lipid enhancement of $CO_2$ fixing hypersaline green algae *Chlorella* sp. as a feedstock for biodiesel production.

**26. International Conference *on "Recent Advances in Synthetic Biology" organized by the Department of Biotechnology and bioinformatics"***, Bishop Heber College, Tiruchirappalli – 620 024 on January 8 & 9, 2015.

58. ***Lewis-Oscar, F., Nithya, C., Nithya, K., Bakkiyaraj, D., Arunkumar, M., Alharbi, N.S., Arunachalam, C., Alharbi, A.A. and N. Thajuddin - Biofilm inhibitory potential of *Spirulina platensis* against the opportunistic pathogen *Pseudomonas aeruginosa*.**

**27. International conference on biodiversity and bioactive natural products on Human welfare organized by Government Arts College, Karur on February 10 to 12 – 2016**

59. Santhoshkumar. S, Velayuthum. P, Jeyapraksah. R, Thajuddin. N and Kala. K. Effect of cyanobacterial extracellular products on mass propagation of *Gloriosa superba* L. through shoot apex explants.

**28. International Conference on "A New Horizon in Material organized by Department of Physics", Sarah Tucker College, Tirunelveli, India on March 11, 2016.**

60. F. L. Oscar, D. MubarakAli, C. Nithya, R. Priyanka, V. Gopinath, N. S. Alharbi and N. Thajuddin. One pot synthesis and anti-biofilm potential of copper nanoparticles (CuNPs) against clinical strains of *Pseudomonas aeruginosa*

**29. International Conference** ***on "Recent Advances in Biosciences"*** organized by the Biosciences Department, Alagappa University Karaikudi- 630 003. India on 7 – 9, April 2016**.**

61. Sumathi, S., Gayahri, M., Muralitharan, G. and N. Thajuddin - Toxicity studies of *Trichodesmium* bloom extracts from Gulf of Mannar, Ramnad District, Tamil Nadu, India.

62. Dharithri Borah, Vimala, N., Jayashree Rout and N. Thajuddin – Cyanobacteria from biodiversity hot spot zone of Assam, North – East India – Biochemical and chemotaxonomic studies.

63. Seema, S., Beema Shafreen and N, Thajuddin – Synthesis of Silver nanoparticles from *Nitzschia palea* and their antibiofilm efficiency against ESBL producing bacteria.

**30. 4th International Conference** ***on "Advances in Computer Science and Engineering*** **(ICACSE 2017)"** Hyderabad, India on 15th April 2017**.**

64. Sabeeha Sultana, Gowri Srinivasa and N. Thajuddin. - A novel approach for automatic detection and classification of heterocysts from vegetative cells in *Nostoc* sp.

**31. 44th Annual meeting & International Symposium** ***on "Microbiology & Biotechnology"*** organized by the Korean Society for Microbiology & Biotechnology, Bexco, Busan, Korea on 28 – 30, June 2017**.**

65. Su-Ra Park, Sung-Yul Lee, D. MubarakAli, N. Thajuddin and Jung-Wan Kim - Extraction and characterization of FAME from *Scenedesmus intermedius* as a bio-functional Material.

**32. International Conference on Molecular Advances in Biomedical Research" (ICMABR'18)** Organized by the PG and Research Department of Zoology, Nehru Memorial College, Puthanampatti in collaboration with the Department of Animal Science, Bharathidasan University, Tiruchirappalli on 9 -10 February, 2018**.**

66. Extracellular Polymeric Substances from Microalgae and their biotechnological potentials.

**33. 4th International Conference on Innovations in Biotechnology, Civil & Mechanical Science** (ICIBCMS'18), organized by the Department of Biotechnology, Civil & Mechanical Engineering, Selvam College of Technology, Namakkal, on 9 – 10, March 2018

67. Mathews Lurth Raj.D., M. Zubaitha Maryam., Ganesh Moorthy. I., Dhanasekaran. D., Sanjeeva Nayaka, Shyam Kumar. R, and Thajuddin. N. - An Assessment of Coastal Lichen Diversity and Distribution in Kanyakumari District, Tamil Nadu, India

**34. Two-day International Conference on Current trends in Life Sciences – "Medicinal Plants and its therapeutics" organized** by Kandasamy Kander's College, Velur, Namakkal & Kongu College of Arts and Science Karur, Tamil Nadu, India, on 7th August 2018

68. Balaperiasamy B., Panneerselvam A. and Thajuddin N. - A study on anticancer properties of *Hypericum wightianum* Wall. ex Wight & Arn.

69. Santhoshkumar S., Jeyaprakash R., Karthick C., Velayutham P., Thajuddin, N. and Kala K. Antiproliferative potential of i*n vivo* and *in vitro* Tuber of *Gloriosa superba*, L. using A549 Human Lung Cancer Cell Line

70. Shakena Fathima, T., Anju Majeed and N. Thajuddin. - Augmenting of antidiabetic and antiobesity activity of curcumin using *Spirulina platensis.*

71. Thangaraj, R and Thajuddin N. - Optimization of Medium for Biomass Production of *Anabaena iyengari* and its Synthesize of Silver Nanoparticle

72. Lavania R. and Thajuddin, N. - Phytoplankton as Antioxidants: An exemplary study

**35. International Conference on "Advanced Nanomaterials for Energy, Environment and Healthcare Applications"** organized by K.S.R, College of Arts & Science for Women Tiruchengode, Namakkal and Swansea University, Wales, United Kingdom August 31 & September 1, 2018.

73.Thenmozhi, R., Karthikeyan, C., Buvaneswaran, V., Ghadhija Begam, G.R. and Thajuddin, N. – Effect of NiO and Ag doped NiO against biofilm forming Methicillin Resistant *Staphylococcus aureus* (MRSA) strains.

**36. International Conference on "Emerging areas of Biotechnology for Human Welfare and Bioentrepreneurship" organized** by the School of Life Sciences, B.S. Abdul Rahman Crescent Institute of Science & Technology, Vandalur, Chennai on 11 & 12 September 2018.

74. ***Arunkumar, A., LewisOscar, F., Thajuddin, N., Pandiaraj, D., Al-Harbi, N.S. and C. Nithya. – Effect of phycoerythrin pigment on biofilm formation of marine *Vibrio* sp.**

**75. *Ishack, K.A.S.S., AnisAhamed, N., Ambikapathy, V. Thajuddin, N. and A. Panneerselvam – Development of microbial consortium for wastewater treatments.**

76. Selvakumar, V., MubarakAli, D., Saravanakumar, K., and N. Thajuddin - A comprehensive review on antialgal allelochemicals derived from plants.

77. MubarakAli, D., Manzoor, M.A.P. Sabarinathan, A., Devasya Rekha, P. and N. Thajuddin. – An Inhibitory action on biofilm formation and cytotoxic effects of MgO nanoparticles against uropathogens.

78. ***PadmaPriya, S., MubarakAli, D. and N. Thajuddin – Synthesis of MgO nanoparticles as catalyst for transesterification of algal oil to biodiesel.**

79. MubarakAli, D., Kumaravel, S., Baldev, E. and N. Thajuddin – Microbial fuel cells mediated electricity production usinf freshwater microalga *Coelastrella terrestris*.

80. Anis Ahamed, N., Ishach, K.A.S.S., Ambikapathy, V. Thajuddin, N. and A. Panneerselvam – Molecular (rbcl, matk, ITS2, & RAPD) characterization of the endangered plant *Boscia angustifolia* and their microbial activities.

**37. Internationa Conference on Contemporary Research Trends in Mycology and Mycotechnology (CRTMMT-201***9)* organized by the Department of Biotechnology, Mother Theresa Women's University, Kodaikanal – 624 101, Tamilnadu, India on 24$^{th}$-25$^{th}$ January, **2019.**

81. ***Mathews Lurth Raj, D., Shakena Fathima, T., Karthikumar, S., Ganesh Moorthy, I., Dhanasekaran, D., Shyam Kumar. R. and Thajuddin, N. - Studies on antimicrobial compounds isolated from coastal lichen associated Actinomycetes.**

**82. *Muthukumar, T., Mathews Lurth Raj, D., Shakena-Fathima, T., Karthikumar, S., Ganesh Moorthy, I., Dhanasekaran, D., Shyam Kumar, R. and Thajuddin, N. - Development of media formulation for isolation of lichen associated Actinomycetes.**

**38. International Conference on Sustainable Development in Energy & Environment** organized by the Department of Biotechnology Kamaraj College of Engineering and Technology, K. Vellakumam 625 701, Viruthunagar, Madurai District on 18.7.2019.

83. Nagendra Reddy Atla, G. Sai Lakshmi, R. Sathya, K. Saravanakumar, N. Thajuddin, D. Mubarak Ali - Unveiling the microbiome in the gut of silkworm (*Bombyx mori* L) fed with freshwater cyanobacteria.

84. Aravindh, A. Sathya, R. Saravanakumar, K. Thajuddin, N. MubarakAli, D. - A preliminary study on biodegradation of bisphenol by using freshwater native microalgae

**39. Internationa Seminar on Microbial interventions for the Welfare of Human Beings (MIWHB-2019***)* organized by the PG & Research Department of Microbiology, Sengamala Thayar Educational Trust Women's College, Mannargudi – 614 016, Tamilnadu, India on 9$^{th}$ August, **2019.**

85. Reehana, M., Mohamed Imran, M. and Thajuddin, N. - Phylogenetic analysis of *Nostoc* spp. using 16S rRNA gene sequences.

86. Anis Ahamed, Panneerselvam, A., Thajuddin. N. and Arif, L.A. – Assessment of DNA Barcoding of regionally endangered plant species *Aloe castellorum* and its antimicrobial activities.

**40. Prof. T.V. Desikachary Birth Centenary International Symposium on Biodiversity, Biology and Biotechnology of Algae – ISBBBA-2020** organized by CAS in Botany, University of Madras, Chennai **8 - 10 January 2020**.

87. Nasir Hussein, A.E. Thajuddin, N. and D. MubarakAli - Life Cycle Assessment on the value-added products of freshwater Microalgae

88. Reehana, N., Mohamed Imran, M and N. Thajuddin - Optimization of various environmental conditions for increased production of C-phycocyanin from *Oscillatoria boryana* NTRI09.

89. Arutselvan. C, Narchonai. G, Baldev. E, Mubarak Ali. D and Thajuddin N - Screening and assessment of microalgae isolated from Betel field por biodiesel production.

90. Peer Muhamed Noorani, K., Babu Rajendran, R. and Thajuddin, N. - Biodegradation of phenolic compounds by fresh water Microalgae.

91. Lavania Ramachandran, Narayanasamy Marappa, Kavitha Sethumadhavan and Thajuddin Nooruddin - Glycoprotein prompted plausible bactericidal and antibiofilm out-turn of extracellular polymers from *Nostoc microscopicum.*

92. Narchonai Ganesan, Arutselvan Chithirai, LewisOscar Felix and Thajuddin Nooruddin - Deciphering the microalgal diversity and water quality assessment of two urban temple ponds in Pondicherry, India.

93. R. Rajeswari, N. Thajuddin, K. Geetha - Phycoremediation of Tannery Effluent using Microalgae and Cyanobacteria.

94. Sathya, R., Lakshmi Prasanna, Thajuddin, N. and MubarakAli, D. - An Investigation of Enhanced Lipid Content in Freshwater Microalgae using OTRE Technique.

95. ***Shakena Fathima, T. John Adams, S. Muthuraman, G. Anju Majeed, M. Sivakumar, A. Dhanasekaram, D. Muralitharan, G. and Thajuddin N. - Augmenting anti-diabetic and anti-obesity activity of curcumin using *Spirulina platensis.***

**41 International Conference on Green Energy for Environmental Sustainability (ICGEES 2020)** organized by the Department of Chemical Engineering, National Institute of Technology, Calicut, Kozhikode 673 601, Kerala, India on August 5 & 6, 2020

96. Keerthana S.S., Cressida J, Ashwini J., Mathews, L., Ganesh Moorthy, I., Sankar, K., Thajuddin, N. and Shyamkumar, R. - Synergistic effect of co-culturing Endolichenic Actinomycetes with Microalgae to enhance the lipid content of algal biomass for sustainable biofuel production

**42. First NABS-International Conference on "Life Sciences: Contemporary approaches in Biological Science for Food, Health, Nutrition Security and Conservation of Biodiversity"** organized by the Faculty of Agriculture, Annamalai University & National Academy of Biological Sciences (NABS) on August 26 -27, 2021

97. Thangaraj Ramasamy, Shalini Venketesh, Sageetha Raja and Thajuddin Nooruddin - Antibacterial, Anticancer and Catalytic activity of Biogenic Silver Nanoparticles (AgNPs) synthesized using Chitosan

98. Fayaazuddin Thajuddin, Thangaraj Ramasamy and Thajuddin Nooruddin - Chitosan / CuO Nanocomposite synthesis and characterization for Antibacterial and Catalytic activity

**43. International Conference on "Biotechnological Effective Approach in Science & Technology" (BEAST-2022) –** organized by the Department of Botany, K.S Rangasamy College of Arts & Science (Autonomous), Tiruchengode – 637 215, India on 7-8, April, 2022.

**99. Thangaraj, R., Shalini, V., Sageetha, R. and Thajuddin, N. – Antibacterial and catalytic activity of Biogenic Silver nanoparticles (AGNPS) synthesized using Chitosan.**

**44. International Conference on Future Challenges of Microbes in Environment (ICFCME-2023)** organized by the Department of Microbiology, Jamal Mohamed College, Tiruchirappalli – 620 020 in association with the Microbiologists Society, India (MBSI). on 23rd February, 2023

100. Fayaazuddin, T., Prakash, P., Dhanasekaran, D. and Thajuddin, N. - Synthesis, Characterization of dye degradation potential and anticancer activity of copper oxide nanoparticles (CuO).

**45. International Conference on Algae: Food, Feed, Fuels and Fine Chemicals (ICA F4, 2023)** organized by National Repository for Microalgae & Cyanobacteria (NRMC) – Fresh water and Marine Divisions (Sponsored by DBT, Govt. of India and The Department of Microbiology, Bharathidasan University, Tiruchirappalli – 620 024 on September 6 – 8, 2023.

101. **Reehana, N**., Kifaya Parveen, A., Mohamed Imran, M and Thajuddin, N. – Biodiversity of Microalgae from Panjapur pond of Tiruchirappalli, Tamilnadu (India).

102. **Fayaazuddin, T**., Akilan, E., and Thajuddin, N. – Vitamin D3 synthesis in microalgae in response to Ultraviolet B (UVB) radiations.

103. **Rashmi, V**., Uma, L., Prabaharan, D. Thajuddin. N. and Muralitharan, G. – Marine cyanobacterial exopolysaccharides and its multiple utilization as potential biosorbent.

104. **Vinotha, K**., Rashmi, V., Muralitharan, G., Thajuddin. N., Sivasudha, T., - Exploring the biopotentials of polar psychrophilic cyanobacterial photoprotectants.

105. **Vivek, N**., Nitharsan, K., Rashmi, V., Muralitharan, G., Thajuddin. N., Uma, L., Prabaharan, D. Sivasudha, T. – Formulating cost effective nutrient mixures (N:P) for efficient production of microalgal biodiesel feedstock.

106. **Nitharsan, K**., Rashmi, V., Thajuddin. N., Uma, L., Muralitharan, G. and Prabaharan, D. – Outdoor mass cultivation with a special emphasis on ossein effluent as an alternative water and nutrient footprint for cost effective biodiesel feed stock production.

107. **Selvapriya, S**., Rashmi, V., Muralitharan, G., Thajuddin. N., Uma, L., Sivasudha, T, Rajakumar, T. and Prabaharan. D. – Exploration of Marine cyanobacteria for lipid production from southeast coast of Tamil Nadu.

108. **Nisha Banu, B**., Rajesh Kannan, V. and N Thajuddin – Bioremediation of Industrial effluent using microalgae and cyanobacteria.

109. **Peer Muhamed Noorani**, K. and Thajuddin – N. Biodegradation of phthalic acid esters and phenolics pollutants by two different freshwater microalgal species.

110. Shakena Fathima, T., **Asraf Sithikka, M.R**., John Adams, Anju Majeed., Muralitharan, G. and Thajuddin N. – Study on bioconversion of curcumin to calebin-A using Spirulina subsalsa and its taxonomic resolution using 16S rRNA analysis.

111. **Shakena Fathima, T**., Fayaazuddin, T., Dhanveer Ahamed, B., Prakash, P., Akilan, E., Asraf Sithikka, M.R., Muralitharan, G. and Thajuddin N. – Suitability of phycocyanin gene sequences for the identification of cyanobacterial taxa belonging to Oscillatoriales.

**46. International conference on Blue economy 2025** held on January 20-22, 2025 organized by School of Marine Sciences, Alagappa University, Karaikudi, India

**112. Mohamed Aadhil, M., Navaneetha Pandiaraj, K., Thajuddin, N., Jung-Wan Kim, Sang-Yul Lee, MubarakAli, D. 2025. A Novel Strategy to Accumulate Lipids in Green Microalgae using Cold Plasma Process**

113. Gokul Raja, S., Thajuddin, N., MubarakAli, D 2025. Preparation and Quality Assessment of Microalgal Feed for Shrimps

**47. International Conference on Frontiers Research in Life Sciences** held on January 23 & 24, 2025 organized by Department of Zoology, University of Madras, Chennai, India.

114.Agalya JP., Nooruddin Thajuddin, MubarakAli Davoodbasha 2025. Development of Eco-Friendly Green Algal Facial Mask for Natural Antioxidant Applications.

115. Kavibharathi Jayendra., Nooruddin Thajuddin, MubarakAli Davoodbasha 2025. Formulation of Probiotic Capsule using Lactic Acid Bacteria Isolated from *Limonia acidissima* L

116. Ragavi Yuvaraj., Thajuddin Nooruddin, MubarakAli Davoodbasha 2025. Isolation and evaluation of anti-algal agents from substrate fungi for environmental remediation

**48. 2nd International Conference on Frontiers in Industrial Biotechnology** held on January 28 & 29, 2025 organized by Department of Biotechnology, St. Joseph College of Engineering, Chennai, India

**117. Elakiya, B., Sivagaami Sundarai, G., Thajuddin, N., MubarakAli, D. 2025. Production and Characterization of Biocoal from Native Microalgae.**

**49. DST-SERB sponsored the 3rd International Conference on Functional Materials for NextGen Applications** held on January 3 & 4, 2025 organized by Department of Chemistry, SSN College of Engineering, Chennai, India

118. Salman Farsi Mohamed Rafique, Praveen Ramakrishnan, Nooruddin Thajuddin, MubarakAli Davoodbasha. 2025. Synthesis and characterization of Titanium dioxide Nanotubes and investigation of their surface for possible Antibiofilm property

**50. International Conference on Microbial Innovations for Sustainable Agriculture and Medical Applications (ICMISAMA - 2025)** Organized by Department of Microbial Technology, School of Biological Sciences, Madurai Kamaraj University, Madurai, India, in association with Mycological Society of India and Microbiologist Society, India on 17 December 2025.

**119. Fayaazuddin Thajuddin, Thajuddin Nooruddin and Dhanasekaran Dharumadurai (2025) Microalgal and Cyanobacterial Diversity Across Freshwater Habitats of Visakhapatnam, India**

**51. International Conference on Sustainable Microalgal BioSolutions (ICSMBS'26) organized by the Crescent Global Outreach Mission, B.S. Abdur Rahman Crescent Institute of Science and Technology (BSA CIST), in collaboration with the Danish Technological Institute, Denmark, and the Federal University of Lavras, Brazil on November 2–3, 2026.**

**120. Fayaazuddin Thajuddin, Thajuddin Nooruddin and Dhanasekaran Dharumadurai (2026) – Deciphering nurrient-driven trade-offs between biomass production and Polyhydroxy butyrate accumulation in *Limnospira fusiformis*.**

121. Parveez Ahamed Abdul Azeez and Nooruddin Thajuddin (2026) – MGDC-Palmitoyl from *Oscillatoria accuminata* NTAPC05 inhibits ESBL producing bacteria

122. Abholash Borgohain, Jayashree Rout, Thajuddin Nooruddin, Payun Temin and Dharitri Borah (2026) – Algae based bioeconomy framwork for sustainable livelihood in Eastern Himaiayan Region, India.

***Papers received Best Paper/Poster Awards.**

## NATIONAL LEVEL:

**1). Second All India Applied Phycological Society,** New Delhi, October 29-31(1987)

1. Subramanian, G., Sundararaman, M., Thajuddin, N.❖, Prabaharan, D and Sekar, S. Survey of Cyanobacterial flora in the southern east coast of India.

**2). XI All Indian Botanical Conference,** Bharathidasan University, Tiruchirappalli. January, 2 – 4 (1989)

**2. *Thajuddin, N.❖ Cyanobacterial wealth in the southern east coast of India.**

**3). National Symposium on Cyanobacterial Nitrogen Fixation,** IARI, New Delhi, January 29-31 (1990)

**3.** Thajuddin, N.❖ and Subramanian, G. Cyanobacterial phytoplankton of the Gulf of Mannar region.

**4). 31st Annual Conference of the Microbiologists of India.** TNAU, Coimbatore, January 23-25 (1991)

**4.** Thajuddin, N❖., Sundararaman, M., Prabaharan, D., Sekar, S. and Subramanian, G. Characterization of *Trichodesmium erythraeum* from the Southern east coast of India.

**5).32nd Annual Conference of the Microbiologists of India.** Madurai Kamaraj University, Madurai, January 10 – 12 (1992)

**5.** Thajuddin, N❖. and Subramanian, G. Diurnal variation of plankton and primary production in Mandapam coast, Gulf of Mannar region.

**6).33rd Annual Conference of the Microbiologists of India.** University of Goa, Goa. November 5-7 (1992)

**6.** Thajuddin, N❖. and Subramanian, G. Cyanobacterial flora from the hypersaline environments.

**7).39th Annual Conference of Association of Microbiologists of India,** Mangalore University, Mangalore. December 5 - 7 (1998)

**7.** Thajuddin, N❖**.** and Subramanian, G. The Rise and Fall of *Trichodesmium.*

**8). National Seminar on Modern Trends in Plant Science**, A.V.C. Collage, Mannampandal, Mayiladuthurai. March 4 – 6 (1999).

**8.** Thajuddin, N❖**.**Microbial Biodiversity - A molecular approach.

**9). State level Seminar on "Nunkalai Sirappu Aaivarangam"** conducted by Iynthamil Aaivalar Mandram, Madurai, at Mathaguppatti, Sivagangai District. January 8 – 9 (2000)

**9.** Thajuddin, N❖. Microbial Biodiversity - 16S rRNA Molecular Approach. (in tamil).

**10). National Symposium on Marine Algal Research in India – Prospect & Retrospect**. Bharathidasan University, Tiruchirappalli, August 16 – 18, 2001

**10.** Nagasathya, A. and Thajuddin, N. - Diversity of Hypersaline cyanobacteria from Vedharanyam salt pan.

**11**. Nagasathya, A. Chelladevi, Saravanan, P. and Thajuddin, N. - Biodiversity and abundance of Cyanobacteria from different salt pans.

**12.** Manikandan, K., Nagasathya, A. Shyam Kumar, R. and Thajuddin, N. - Taxonomic studies on cyanobacteria from salt pans of Point Calimere, Tamil Nadu.

**13.** Nagasathya, A. Azeemudeen, M. Sankar Ganesh, J. and Thajuddin, N. - Diversity of diatom flora from Vedharanyam salt pan**.**

**14.** Thajuddin, N❖.and Subramanian, G. - Biodiversity of marine Cyanobacteria from Indian coasts.

**11). National Seminar on Environmental Biology and Fish Biology** Visva Bharati, Santiniketan 731 235, February 1-3 (2002)

**15.** Premraj, R. and N. Thajuddin. Distribution and role of microalgae in dye factory effluents.

**12). National Symposium on Algae and Environment**. University of Kerala, Thiruvananthapuram. February 13 – 15, 2003

**16** Thajuddin, N❖.and Subramanian, G. Distribution of marine cyanobacteria from Andaman Islands ..

**17.** Srisathiyanarayanan, D. Sudha, S.S., Panneerselvam, A. and Thajuddin, N. - Planktonic Diatoms of Muthupet Estuary, Thanjuvur District, Tamil Nadu.

**18.** Ponmani, T., Nagasathya, A. and Thajuddin, N**.** - Note on planktonic diatoms from Kottaipattinam, Pudukkotai District, Tamil Nadu.

**19.** Thiyagarajan, V. and Thajuddin, N. - Biodiversity and distribution of cyanobacteria from different altitudes of Kolli Hills, Tamil Nadu. .

**20.** Manikandan, K. Sivakumar, S.R. and Thajuddin, N.- Cyanobacterial biodiversity from terrestrial habitat of Palkalaiperur, Tiruchirappalli.

**21.** Sudha, S.S., Panneerselvam, A. and Thajuddin, N. - Stenohaline cyanobacterial and fungal diversity from Muthupet estuarine ecosystem.

**22.** Jayachitra, K., Panneerselvam, A. and Thajuddin, N. - Diversity and monthly variations of cyanobacteria from three different fresh water habitats (Part 1)

**13). National Seminar on Emerging Trends in Plant Sciences**. Annamalai University, Annamalai Nagar. March 15 – 16, 2003

**23.** Dhanasekaran, D., Panneerselvam, P., Thajuddin, N., and Sivamani, P., Antimycotic activity of Actinomycetes against *Aspergillus* sp.

**14). Seminar on Biosciences,** Harur Muthu Arts & Science College for Women, Harur, Dharmapuri District, November, 26 (2003).

**24.** Thajuddin, N.❖ Cyanobacteria – a biotechnological approach.

**15). National Symposium on Recent Trends in Biology, Biodiversity and Biotechnology of Fungi,** CAS in Botany, University of Madras, Chennai, February, 5- 6, (2004)

**25**. Saravana Priya, B.J., Dhanasekarn,.D., Panneerselvam, A., Thajuddin, N. and Prabhu, P. Preliminary characterization of some *Streptomyces* species from marine soils and their antifungal potential against selected opportunistic fungi.

**16). National Symposium on Recent Trends in Biological Research,** Department of Botany and Microbiology, AVVM Sri Pushpam College Poondi, Thanjavur District, February 17 – 19, 2004.

**26.** Dhanasekaran, D., Panneerselvam, A. and Thajuddin, N.- Activity of marine soil actinomyetes isolates against pathogenic bacteria.

**27**. Senthil Kumar, R., Panneerselvam, A. and Thajuddin, N. - Effect of Nutritional sources on Cellulolysis rate of *Pestalotia* sp.

**28.** Ganesh Manikandan. S., Saravanan, R., Lakshminarashimman, C., Thajuddin, N. and Jayanthi, R. - Pulsed-field gel electrophoretic analysis of *Staphylococcus aureus* DNA digest.

**29.** Senthil Kumar, R., Panneerselvam, A. and Thajuddin, N**.** - A comparative study on the growth rate of *Pestalotia* sp. on different culture media.

**30.** Jeyachitra, K., Panneerselvam, A. and Thajuddin, N. - Diversity and monthly variations of Cyanobacteria from three different freshwater habitats (Part 2).

**31.** Vijay Antony, M., Kasinathan, P. and Thajuddin, N. - Biodegradation of waste paper by cellulase from a mutant *Trichoderma viride*

**32.** Senthil Kumar, R., Panneerselvam, A. and Thajuddin, N. - Evaluation of different fungal antagonists on *Pestalotia* sp.

**33.** Mohan, S., Kasinathan, P. and Thajuddin, N. - Efficacy of a mutant *Aspergillus niger* phytase produced by solid state fermentation of bioavailability of phosphorous and calcium in broiler chickens.

**17). National Symposium on Microalgal Biotechnology**, Bharathidasan University, Tiruchirappalli, March, 11-13, 2004

**34.** Thajuddin, N❖ and Subramanian., G. - Marine Cyanobacterial Biodiversity from Indian Coasts.

**35.** Thajuddin, N❖. and Nierzwicki-Bauer, S.A. - Cyanobacterial Taxonomy-16S rRNA approach,

**36**. Nagasathya, A. and Thajuddin, N**.** - Biodiversity of microalgae from saltpans of Tamil Nadu, India.

**37.** Thiyagarajan, V. and Thajuddin, N. - Seasonal variation in the biodiversity of cyanobacteria from Kolli hills.

**38**. Shyam Kumar, R. and Thajuddin, N. - Diversity of lichens (cyanolichens) from Kolli hills of Tamil Nadu, India..

**39.** Boominathan, B., Manoharan, C., Sundararaman, M., and Thajuddin, N. - Biodiversity of microbes in dairy effluent.

**40.** Sarala, S., Dhanasekarn, D., Panneerselvam, A. and Thajuddin, N. - Isolation, identification and biological activities of *Chlorella* species.

**41.** Gandhimathi, R., Nagasathya, A. and Thajuddin, N. - Effect of salinity on cyanobacterial pigmentation.

**42.** Parameswari, K.A., Muralitharan, G. and Thajuddin, N. - Screening of siderophores from marine Cyanobacteria.

**43.** Sangeetha Priya, S., Muthukumar, C., Muralitharan, G. and Thajuddin, N. - An attempt on the development of natural culture media for marine Cyanobacteria.

**44.** Shyamaladevi, S., Anandkumar, N. and Thajuddin, N. - Biodiversity of Cyanobacteria from different fresh water bodies of Tiruchirappalli.

**45.*Jeyachitra, K., Panneerselvam, A. and Thajuddin, N. - Diversity and monthly variations of cyanobacteria from three different fresh water habitats (Part-3).**

**46.** Ruba, P. and Thajuddin, N. - Biodiversity of Cyanobacteria from two different textile effluents.

**47.** Anandavalli, I. and Thajuddin, N. - Re-evaluation of cyanobacterial biodiversity from Gulf of Mannar (Mandapam) region.

**48.** Sudha, S.S., Panneerselvam, A. and Thajuddin, N. - Cyanobacterial biodiversity from Muthupet Backwaters.

**49.** Prabhu, S., Selvakumar, S., Nagasathya, A., Syed Jahangir, H. and Thajuddin, N. - Marine and Hypersaline diatoms from Palk Bay region, Tamil Nadu.

**50.** Ashwini, K., Muralitharan, G. and Thajuddin, N. - PCR Based detection of introns from unicellular marine Cyanobacteria.

**18). National level seminar on 'Emerging Trends in Microbiology** Sri Ramakrishna College of Arts & Science for Women, Coimbatore on August, 25, 2004

**51.** Thajuddin, N❖**.** Recent Trends in Microalgal Biodiversity – 16S rRNA approach.

**19). National Symposium on Biology and Biodiversity of Freshwater Algae**. CAS in Botany, University of Madras, Chennai. February 17 – 19, 2004

**52.** Thajuddin, N❖.and Sandra Nierzwicki-Bauer, A. - Molecular identification and phylogeny of cyanobacterial symbionts associated with *Azolla* spp.

**53.** Thiyagarajan, S., Harini, S., Muralitharan, G. and Thajuddin, N. - Taxonomic studies on paddy field cyanobacterial diversity.

**54**. Anandavalli, I., Kannagi, N., Anandakumar, N. and Thajuddin, N. - Survey of epilithic Cyanobacteria (Blue-green algae) from temples of Thanjavur and Thiruvarur Districts, Tamil Nadu

**55.** Muthukumar, C., Vijayakumar, R., Muralitharan, G., Panneerselvam, A. and Thajuddin, N. - Cyanobacterial biodiversity from different freshwater ponds of Thanjavur.

**56.** Jayachitra, K., Panneerselvam, A. and Thajuddin, N. - Biodiversity of freshwater Cyanobacteria from Palakad Lake (Kerala)

**57.** Muralitharan, G., Nagasathya, A. and Thajuddin, N. - Comparative study on the Protein and RAPD patterns of *Lyngbya majuscula* collected from freshwater and marine environments.

**20). National Symposium on Algal Biology and Industrial Applications**. Krishnamurthy Institute of Algology, RKM Vivekananda College, Chennai. September 25 – 26, 2004

**58.** Thajuddin, N❖. - Marine Cyanobacterial Biodiversity and Molecular Taxonomy.

**59.** Muralitharan, G. and Thajuddin, N. - Fatty acid profiles of *Lyngbya majuscula* collected from freshwater and marine habitats.

**21). National Conference on Genomics for Health,** Karpagam Arts & Science College, Coimbatore. December 18, 2004.

**60.** Lakshminarayanan, R., Dhanasekaran, D., Sivagami, P., Rajkumar, G., Panneerselvam, P. and Thajuddin, N. - Functional proteomics of GrhS and GrhU protein in Marine *Streptomyces* sp. JP95.

**61.** Ramprasath, C., Dhanasekaran, D., Sivagami, P., Rajkumar, G., Karunagaran, K., Panneerselvam, P. and Thajuddin, N. - Functional genomics of Mito and Mmch gene in *Streptomyces lavendulae*.

**22). 3rd National Conference of Indian Association of Applied Microbiologists (IAAM).** Adiparasakthi College of Arts & Science, Kalavai. January 5 – 7, 2005

**62.** Jayalakshmi, K., Dhanasekaran, D., Panneerselvam, P. and Thajuddin, N. - Biological and chemical characterization of the antibiotic activity of Actinomycetes isolated from marine soil.

**63**. Tamilarasi, S., Dhanasekaran, D., Panneerselvam, P. and Thajuddin, N. - A plant growth inhibitory substance produced by *Streptomyces* sp.

**64**. Aswini, L., Dhanasekaran, D., Panneerselvam, P. and Thajuddin, N. - Effect of Ultra violet light on growth of *Pleurotus* sp.

**23). National symposium on Marine Plants, Their Chemistry and Utilization.** Organized by Seaweed Research and Utilization Association and Suganthi Devadasan Marine Research Institute, Tutucorin, 23 – 25 June, 2005

**65.** N. Thajuddin, G. Muralitharan and G. Subramanian - Partial sequence of 16S rRNA and the phylogeny of *Spirulina subsalsa* BDU 30311 and *Oscillatoria salina* BDU 40102.

**66.*S. Thiyagarajan, G. Muralitharan and N. Thajuddin - Phylogeny of Marine Cyanobacteria (Oscillatoriaceae) using Randomly Amplified Polymorphic DNA (RAPD) fingerprinting**.

**67.** G. Muralitharan, R. Anjugavairam and N. Thajuddin - Molecular fingerprinting of marine *Synechococcus* strains by Short Tandemly Repeated Repetitive (STRR) sequences and Repetitive Element PCR.

**68.** M. Satheesh kumar, G. Muralitharan and N. Thajuddin - Hydrocarbon degradation by marine cyanobacterium *Phormidium tenue* KMD 33.

**69**. A. Nagasathya, Libi Majid and N. Thajuddin - Production of Siderophores by hypersaline cyanobacteria.

**70.** R. Vijayakumar, C. Muthukumar, V. Ambikapathy, N. Thajuddin and A. Panneerselvam- Screening of antagonistic actinomycetes isolated from Point Calimere, Tamilnadu.

**71.** N. Thajuddin ❖- Cyanobacterial biodiversity and applications. In: Souvenir

**24). National Conference on Aquaculture Biotechnology**. AVVM Sri Pushpam College, Poondi, Thanjavur Dt. 21& 22, July, 2005

**72.** N. Thajuddin❖ DNA Fingerprinting of Marine Cyanobacteria.

**25). National Conference on Frontiers in Environmental Sciences and Engineering in India**. Bharathiar University, Coimbatore, September 15 – 17, 2005.

**73.** S.S. Sudha, A. Panneerselvam and N. Thajuddin. Biodiversity of Cyanobacteria from Muthupet Estuarine Ecosystem.

**26).VIII National Symposium on Soil Biology in Human Welfare**. Organized by PG. Department of Microbiology, Ponnaiah Ramajajam College, Thanjavur – 614 904. October 5 – 7, 2005.

**74.** Vijayakumar, R., Muthukumar, C., Thajuddin, N. and Panneerselvam, A. Screening of antagonistic Actinomycetes from east coast of India.

**27). National Seminar on Marine Biodiversity**, organized by Centre for Marine Biodiversity & Department of Aquatic Biology & Fisheries, University of Kerala, Thiruvananthapuram, November 15, 2005

**75.** Thajuddin, N❖.and G. Subramanian, Marine Cyanobacteria – Biodiversity and Molecular Taxonomy.

**28). National Symposium on Recent trends in Microbial Biotechnology**, Organized by Sri Sankara Arts & Science College, Kanchipuram – 631 561, December 29 – 30, 2005.

**76. *Syed Jahangir, H., Fairoz Sherin Sulthana, D. and Thajuddin, N. Optimization of Chicken Feather – Barbs degrading *Streptomyces* sp.**

**29). National Symposium on Algae, Man and Biosphere,** jointly organized by Seaweed Research and Utilization Association and Department of Botany & Microbiology, AVVM Sri Pushpam College, Poondi, Thanjavur District during 24 – 25 February, 2006

**77.** Thajuddin❖ N.and G. Subramanian - Biodiversity and Molecular Biological Characterization of Marine Cyanobacteria

**78.** Muralitharan, G. and N. Thajuddin - Phylogentic analysis of cyanobacteria using different Bioinformatics tools.

**79.** Sundaramoorthy, M., Muralitharan, G. and N. Thajuddin- Characterization of endosymbiotic cyanobionts from the coralloid roots of *Cycas* (Gymnosperm)

**80.** Sathyaprabha, G., A. Panneerselvam, G. Muralitharan and N. Thajuddin - Characterization of marine *Phormidium valderianum* strains using RAPD and Rep-PCR.

**81.** Kalaivani, J., Kumar, T., Muralitharan, G. and N. Thajuddin- Characterization of marine *Synechococcus* using RAPD-PCR.

**82.** Jeyachitra, K., Panneerselvam, A. and N. Thajuddin- Antimicrobial properties of fresh water cyanobacterium *Oscillatoria earlei* Gardner.

**83.** Nagasathya, A. and N. Thajuddin - Antioxidant Property of Hypersaline Cyanobacterium *Phormidium tenue* KMD33

**84.** Nagasathya, A. and N.Thajuddin - Bioremediation of Paper Mill effluent by using Hypersaline Cyanobacterium *Phormidium tenue* KMD33.

**85.** Shyam Kumar, R., G. Muralitharan and N. Thajuddin- Diversity of epiphytic Cyanobacteria on lichens from Kolli Hills and Yercaud, Tamilnadu

**86.** Anandakumar, N. and N. Thajuddin- Biodiversity of epipelagic microplankton of Gulf of Mannar (Mandapam-Rameshwaram- Kurusadai island) region, Tamilnadu

**87. *Vijayakumar, S., N. Thajuddin and C. Manoharan- Biodiversity of Cyanobacteria in industrial effluents.**

**30). National Symposium on Algal Biodiversity and its role in Bioremediation.** Jointly organized by Krishnamurthy Institute of Algology and Vivekananda Institute of Algal Technology, Chennai during 23 – 25 September, 2006.

**88.** Sundaramoorthy, M., Muralitharan, G. Muthukumar, C. and N. Thajuddi❖ -Morphological, Molecular and Phylogenetic studies of endosymbiotic cyanobionts isolated from different Cycads (Gymnosperms).

**31). National Conference on "Recent Trends in Mycological Research"** J.J. College of Arts & Science, Pudukkottai, Tamilnadu. December 28 – 29, 2006

**89.** Naganandhini, K., Prabakaran, M., Thennarasu, V., Ananthi, M., Sathyaprabha, G., Thajuddin, N. and A. Panneerselvam, A - Antimicrobial activity nd NMR characterization of Mushroom spawn exudates of *Pleurotus citrinopileatus*.

**90.** Senthilkumar, R., Panneerselvam, A. and Thajuddin, N. - Evaluation of culture filtrate of different fungal antagonists on the mycelial growth of *Pestalotia* sp.

**91.** Vellaian, R., Udayakumar, S., Balakrishnan, S. and Thajuddin, N**.** - Morpho – anatomical and histochemical studies on fungal infected Grasses (Cyperaceae).

**32). 5th National Conference of Indian Association of Applied Microbiologists (IAAM) on *Emerging Trends and evolving Technologies in Applied Microbiology with Special Reference to Microbial Nanotechnology***. Sri Sankara Arts & Science College, Kanchipuram – 631 561 during January 11 – 12, 2007.

**92. *Nazeerullah, R., Syed Jahangir, H. and N. Thajuddin, N. Biodegradation of malachite green by indigenous soil bacteria and comparative studies with *Pseudomonas aeruginosa*.**

**33). Seminar on Current Development in Hottest Areas of Biological Sciences**, Department of Biotechnology, Bharathidasan University, Tiruchirappalli. January 30 – 31, 2007

**93.** Thajuddin, N❖**.**PCR based DNA fingerprinting methods for cyanobacterial phylogeny.

**34). National Conference on Recent Trends in Biosciences**, Annai College of Arts & Science, Kumbakonam – 612 503, February 8 – 9, 2007

**94.** Sundaramoorthy, M., Prabakaran, M., Thennarasu, V., Sathyapraba, G., Panneerselvam, A. and Thajuddin, N. - Diversity of Freshwater cyanobacteria from Pudukottai (Dist.) Tamilnadu, South India..

**95.** Aarthi, S., Natarajan, D., Prabakaran, M., Ananthi, M., Thajuddin, N. and A. Panneerselvam - Antibacterial properties of *Tribulus terrestris* L. – A well-known medicinal herb.

**96.** Suganya, S., Panneerselvam, A., Natarajan, D., Prabakaran, M., Sundaramoorthy, M.,Thajuddin, N. and - Antibacterial activity of *Indigofera glandulosa* Wild. – A legume plant

**35). UGC Sponsored Regional Seminar on "Recent Trends in Biotechnology and its role in Utilization of Biodiversity**". Organized by PG & Research Department of Botany, Jamal Mohamed College, Tiruchirappalli- 620 020. March 5 - 6, 2007.

**97.**Charanya, M., Sathyaprabha, G., Prabakaran, M., Anitha, P. and N. Thajuddin - Comparitive study of antibacterial efficacy of *Euphorbia hirta* and *Pedalium murex*.

**98.** Suganya, S., Panneerselvam, A., Natarajan, D., Thennarasu, V. and N. Thajuddin - Antifungal properties of *Indigofera glandulosa* (Willd.) against aflatoxin producing fungi.

**99.** Sivakami, K., Ananthi, M., Prabakaran, M., Thennarasu, V., Ravikumar, R. and N.Thajuddin - Antifungal activity of *Vitex negundo, Clerodendrum inerme* and *Barleria cuspida*

**100.** Nazeerulla, R., Syed Jahangir, H. and N. Thajuddin - Biodegradation of brilliant green and textile dye effluent by bacterial consortia.

**101.** Sathyaprabha, G., Prabakaran, M., Muralitharan, G., Thajuddin, N. and A. Panneerselvam - PCR based analysis of marine cyanobacterial strains of *Phormidium valderianum*.

**102.** Rajalaksmi, R. Sundaramoorthy, M., Prabakaran, M., N.Thajuddin and N. Rani - Studies on phyllosphere microflora of *Cissus setosa* – A medicinal climber.

**36). National conference on "Bioprospecting of Marine Resources with special reference to Marine Natural Products and Drug Discovery"** organized by Oceanography and coastal area studies, Alagappa University, Karaikudi during April 26 – 28, 2007

**103.** Thajuddin, N❖. - Biodiversity and biotechnological potentials of marine cyanobacteria.

**104.** Vinodh Kumar, T., D. Mubarak Ali, and N. Thajuddin - Biochemical composition of some marine and hypersaline cyanobacteria isolated from Palk Bay region.

**105** Mubarak Ali, D., T. Vinodh Kumar and N. Thajuddin - Screening of some selected hyper. saline cyanobacterial isolates for antibacterial activity.

**106**. Nazeerullah, R., G. Balakrishnan, H. Syed Jahangir and N. Thajuddin - Studies on Bacteriorhodopsin in UV - induced *Hallobacterium salinarium*

**107. *Muralitharan, G. and N. Thajuddin - Evidence on the presence of tRNA$^{fmet}$ group I intron in the marine cyanobacterium *Synechococcus elongates***

**108**. Anandakumar, N. and N. Thajuddin - Biodiversity of epipelagic microplankton in the Gulf of Mannar with special reference to Tintinnid and Rotifer species.

**109.** Leela, A., N. Thajuddin, M. Vivekanandan - Characterization and commercial exploitation of halophiles from extreme environments

**110.** Muthukumar. C., Muralitharan, G. and N. Thajuddin - Phylogeny of marine cyanobacteria using protein finger printing

**111.** Gifty Verghese, A. Nagasathya, G. Muralitharan and N. Thajuddin - Characterisation of marine cyanobacterium *Phormidium angustissimum* using 16SrRNA sequencing

**112. *Anandavalli, I. and N. Thajuddin - Biodiversity of Marine Cyanobacteria from Gulf of Mannar (Mandapam, Rameswaram, Kurusadai island) region, Tamil Nadu.**

**37). National Symposium on Vistas in Algal Research**. Organized by SDNB Vaisnav College for Women, Chennai – 600 044 during 22 -23 September 2007.

**113.** Thajuddin, N❖. Applications of PCR based fingerprinting in the phylogeny of Marine cyanobacteria.

**38). National Seminar on Coastal zones of India**, Organized by Department of Geology, National College, Tiruchirappalli, India. December, 6 – 7, 2007

**114.** Thajuddin, N❖. Marine Environment of India – A Potential resource for Biotechnology.

**39). National Symposium on Current Scenario in Microbial Technology,** Organized by Department of Microbiology, Bharathidasan University, Tiruchirappalli – 620 024 during January 3 – 5, 2008

**115.** Thajuddin, N❖. - Molecular Phylogeny.

**116.** Suresh, M., P.K. Rath, A. Panneerselvam and N. Thajuddin -Retrospective mycological study of FESS (Fibreoptic Endoscopic Sinus Surgery) biopsy material in patients with sinusitis.

**117.** Kalanithi, C., K.S. Shanmugam and N. Thajuddin - Characterization and optimization of lactacin B (Bacteriocin) from *Lactobacillus acidophilus*.

**118.** Archana, R. and N. Thajuddin - DNA Barcoding (overview)

**119**. Kanagavel, M. and N. Thajuddin - Molecular phylogeny (overview)

**120.** Karthick, M.S.S. and N. Thajuddin - Cyanobacterial Hydrogen Production (overview).

**121.** Sangeetha, A. and N. Thajuddin. - Bacterial toxins and their mode of action (overview)

**122.** Sasikala, M. and N. Thajuddin - Adoptive mechanisms of Extremophiles (overview)

**123.** Vivekanandan, P. and N. Thajuddin - Post translational modifications (overview)

**124.** Suganya, S., A. Panneerselvam and N. Thajuddin - Screening of antimicrobial properties of *Indigofera glandulosa* Wild. – A legume plant.

**125.** Malathy, S., D. S. Premalatha and N. Thajuddin - Optimization of extracellular peroxidase production by *Coprinus* sp.

**126.** Mullai Nila, K., A. Nagasathya and N. Thajuddin - Biodiversity of marine cyanobacteria from sandy shores of Aranthangi

**40). National Conference on "Current Trends in Algal Biodiversity and Biotechnology"** organized by CAS in Botany, University of Madras, Chennai – 600 025 during 7 – 8 February, 2008

**127.** Thajuddin, N❖.and G. Subramanian Molecular Phylogeny of Marine Cyanobacteria.

**128.** Muthukumar, **C.,** Muralitharan, G. and N. Thajuddin Molecular fingerprinting of *Oscillatoria* spp. using 16S rRNA analysis

**129.** Kalanithi, C., Suganya, S., Malathy, S., Muthukumar, C., Muralitharan, G. and N**.** Thajuddin. Analysis of SDS-PAGE of whole cell protein profiles of marine cyanobacteria

**130.** Malathy, S., Suganya, S., Kalanithi, C., Muthukumar, C., Muralitharan, G. and N. Thajuddin. Molecular characterization of marine cyanobacteria using STRR fingerprinting

**131.** Mubarak Ali, D., Muthukumar, C. and N. Thajuddin. Phylogenetic relationship of marine cyanobacteria using Randomly Amplified Polymorphic DNA (RAPD) fingerprinting

**132.** Praveen Kumar, R., Leo Antony, M., Vijayan, D., Muthu Kumar, C., and N. Thajuddin Diversity and characterization of epiphytic bacteria associated with marine cyanobacteria

**133**. Suganya, S., Malathy, S., Kalanithi, C., Muthukumar, C. and N. Thajuddin Biodiversity of marine cyanobacteria in Palk Strait region of Bay of Bengal

**41). National Symposium on Microbial Biodiversity, Bioremediation and Biotechnology,** jointly organized by the Department of Microbiology & Biotechnology, Bharathidasan University & the Department of Microbiology & Biotechnology, Cauvery College for Women, Tiruchirappalli during 28 & 29 August 2008.

**134. *PraveenKumar, R., Leo Antony, M., Vijayan, D., Muthu Kumar, C. and Thajuddin, N. Diversity and Morphological Phylogeny of Endosymbiotic Cyanobionts in the coralloid roots of Cycads from Yerkaud Hills (Shervaroys)**

**135.** Suresh M. Rath P.K., Panneerselvam A, and Thajuddin N Incidence of Rotavirus Gastroenteritis in Childhood Diarrhea

**136.** Vinodh Kumar, T., N. Thajuddin and S. Ravikumar Screening of bioactive secondary metabolites from seagrass *Syringodium* and *Cymodocea* associated bacteria against chosen antibiotic resistant pathogens

**137.** Leo Antony, M., Vijayan, D., Praveen Kumar, R., Muthukumar, C. and N. Thajuddin Isolation and characterization of Lipase producing epiphytic bacteria from marine cyanobacteria

**138.** V. Jayakumar, N. Amaresan and N. Thajuddin. Diversity and properties of endophytic bacteria isolated from tomato (*Lycopersicom esculentum*) cultivated in Bay Islands

**139.** Malathy, S., Suganya, S., Kalanithi, C., Muthukumar, C. and N. Thajuddin Isolation and characterization of marine fungi from east coast of Tamilnadu, India

**140**. Kalanith, C., Suganya, S.,m Malathy, S., Muthukumar, C. and Thajuddin, N**.** Exploration of Marine Bacteria from Manora coast of Tamilnadu, India.

**141**. Sangeetha, A., N. Thajuddin and S. Ravikumar Enumeration of endosymbiotic free-living, nitrogen- fixing *Azospirillum* in seagrasses and their biofertilizer effect on phytoplankton

**142**. Vijayan, D., Leo Antony, M., Praveen Kumar, R., Muthukumar, C. and N. Thajuddin Studies on isolation and characterization of amylase producing epiphytic bacteria from marine Cyanobacteria

**143**. Poongodi, D., Sydney John D'souza, Kanmani, C. and N. Thajuddin Biodiversity of cyanobacteria from terrestrial habitats in and around Bharathidasan University campus, Tiruchirappalli, Tamilnadu (India)

**144.*Mubarak Ali, D., Sasikala, M., Dhandapani, M., Muthukumar, C. and Thajuddin, N. Biosynthesis and characterization of Silver Nanoparticles using marine cyanobacterium, *Oscillatoria willei* NTDM01**

**145.** M. Satheesh Kumar, P. Sundararaju, G. Muralitharan and N. Thajuddin Effect of cyanobacteria against root-knot nematode, *Meloidogyne incognita* under *in vitro* condition

**146.** M. Kanagavel, N. Thajuddin and S. Ravikumar Production of fuel ethanol from pre-treated marine bioresource wastes by using *Saccharomyces cerevisiae*

**147**. Nandhini Devi, S., Syed Jahangir, H. and Thajuddin, N. Biodegradation of carbofuran (insecticide) by soil dwelling actinomycetes.

**42). NATIONAL SYMPOSIUM ON ALGAE IN AGRICULTURE AND FOOD INDUSTRY** Jointly organized by Post Graduate and Research Dept of Plant Biology and Plant Biotechnology, Pachaiyappa's College, Chennai 600 030 and Krishnamurthy Institute of Algology, Chennai - 600 040 during 20th and 21st September, 2008

**148.** G. Muralitharan and N. Thajuddin Assessment of the genetic diversity and classification of marine cyanobacterial strains of Indian Subcontinent using M13 PCR fingerprinting

**149.** Mubarak Ali, D., Dhandapani, M. and N. Thajuddin Biosynthesis of Nanoparticles focuses to Phycoremediation using marine cyanobacterium, *Oscillatoria formosa* NTDM02

**150**. Praveen Kumar, R., Vijayan, D., Leo Antony, M., Muthukumar, C. and N. Thajuddin Diversity of Endosymbiotic Cyanobionts of Cycads (Gymnosperms) – Morphological, Biochemical and Molecular Approach

**151.** Sasikala, M., Mubarak Ali, D., Dhandapani, M. and N. Thajuddin Biosynthesis of Zinc oxide nanoparticles from Cyanobacteria (*Oscillatoria earlei* NT101)

**152**. Satheesh kumar, M., P. Sundararaju, G. Muralitharan and N. Thajuddin Effect of cyanobacteria against root-knot nematode, *Meloidogyne javanica* under *in vitro* condition

**153.*Suresh, A., Mubarak Ali, D., Praveen Kumar, R and N. Thajuddin Comparative analysis of dye decolorization by fresh water microalgae and marine cyanobacteria**

**43). "22nd National Symposium on Recent Advances in Zoological Sciences: Applications to Agriculture, Environment and Human Health".** Jointly organized by Punjab Agricultural University, Ludhiana and Indian Society of Life Sciences, Ludhiana during November 6 – 7, 2008.

**154.** Thennarasu, V., Panneerselvam, A. and Thajuddin, N. Studies on the effect of PGPR in Vegetable crops.

**44). "ICMS – ICMR Winter School on New Carbon Materials and Functional Oxides" organized** by Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore – 560 064 during December 8 – 13, 2008.

**155.** Mubarak Ali, D. and Thajuddin, N. Biosynthesis and Characterization of Silver nanoparticles using marine cyanobacteria.

**45). "State Level Seminar on Conservation and Utilization of Bioresources for Rural Development."** Organized by Department of Biology, Dr. Zakir Hussain College, Ilayangudi – 630 702 during December 29 & 30, 2008.

**156.** Thajuddin, N❖. Marine Cyanobacteria – Biodiversity, Conservation and Utilization

**157**. Muralitharan G.and. Thajuddin N, Polyphyletic nature of Oscillatoriales as revealed by SDS-PAGE of whole cell proteins.

**158**. Muthukumar, C, Vijayakumar, R, Muralitharan, G, Panneerselvam, A, Saravanamuthu, R and N. Thajuddin. Studies on the mycoflora of Muthupet mangrove environs and their extracellular enzyme production.

**46. National Conference on Biohydrogen – Innovative Fuel for Tomorrow's World Environment** Organized by Periyar Maniammai University, Vallam, Thanjavur during 21 – 23, January 2009.

**159.*Mubarak Ali, D. and Thajuddin, N. – Efficiency of Cyanobacteria in hydrogen production for alternate fuel.**

**160.** Parveez Ahamad, A., Raja, V., Mubarak Ali, D. and N. Thajuddin - Biohydrogen – An innovative fuel.

**47). National Symposium on "Phycology in India – Basic to Applied"** Organized by the Department of Botany, Punjabi University, Patiala – 147 002 During February 12 – 13, 2009.

**161.** Thajuddin, N❖. - Biodiversity and molecular phylogeny of endosymbiotic cyanobacteria from the coralloid roots of Cycads

**162.** Muralitharan, G. and N. Thajuddin. - Molecular systematics of marine Oscillatoriales by Rep-PCR fingerprinting.

**163.** Muthukumar, C., G. Muralitharan, D. Dhanasekaran and N. Thajuddin. - Molecular characterization of marine cyanobacteria using 16S rRNA gene sequencing analysis

**164**. Panneerselvam, A., S. S. Sudha and N. Thajuddin. - Microalgal diversity of Muthupet estuary

**165**. Thennarasu, V., M. Prabakaran, A. Panneerselvam and N. Thajuddin. - Biodiversity of Marine Diatoms from Andaman Islands

**166.** Satheesh Kumar, M., P. Sundararaju*, G. Muralitharan and N. Thajuddin - Cyanobacterial diversity and nematocidal activity from Banana crop field.

**167.** Mubarak Ali, D., M. Sasikala and N. Thajuddin. - Biosynthesis of nanoparticles from Cyanobacteria.

**48) National Conference on Current trends in Biotechnology (*Zoro n2p'09*)** organized by the Department of Biotechnology, Kamaraj College of Engineering and Technology, Virudhunagar – 626 001 on 26 – 27, February 2009.

**168.** Thajuddin, N❖ - Cyanobacterial Biotechnology and Conservation

**49)**. **National Seminar on Modern Trends in Applied Biology and Chemistry**. Organized by the Department of Biotechnology, Vels University, Chennai – 600 117on 6th March 2009.

**169**. Thajuddin, N❖ – Microalgal Biotechnology

**50**) **Seminar on Trends in Biotechnology** organized by Department of Biotechnology and Bioinformatics, Bharath College of Science & Management, Thanjavur on 11th March 2009.

**170.** Thajuddin, N❖. – DNA Sequencing.

**51.** UGC Sponsored **National Workshop on "Recent Trends in Rural Development"** Organized by Dept. of Adult, continuing Education & Extension, Bharathidasan University, Tiruchirappalli on 30 – 31 March, 2009.

**171.** Thajuddin, N❖. – *Spirulina* Biotechnology in rural development.

52. **National Conference on "Recent Developments in Cultured Algae"** Organized by OASTC, Andhra University, Visakhapatnam – 530 003 on April 4 – 5, 2009

**172.** Thajuddin, N❖. - Marine Cyanobacterial Biodiversity & Molecular Taxonomy.

**173.** Muralitharan, G and N. Thajuddin – Genetic Diversity and phylogeny of Marine Cyanobacteria by multiplex RAPD – PCR fingerprinting.

**53.National Seminar on Recent Trends in Biological Sciences**" organized by Sri Gowri Biotech Research Academy, Thanjavur on 12th April, 2009

**174**. Dhanasekaran, D. Thajuddin, N. and A. Panneerselvam – Characterization and identification of Novel antifungal compound from *Streptomyces* sp. DPTB16.

**175.** Suresh, M. Rath, P.K. Panneerselvam, A. and N. Thajuddin – Diagnosis of fungal/bacterial Karatitis – A practical approach.

**176**. Sydney John D'Souza, Muralitharan, G. and N. Thajuddin – Isolation and characterization of multidrug resistance in *Pseudomonas aeruginosa*

**177.** Vidhya, C., Muralitharan, G. and N. Thajuddin – Evaluating the use of indigenous cyanobacterium *Phormidium valderianum* in dairy, dye and tannery effluent treatment.

**178.** Muralitharan, G. and N. Thajuddin – Molecular finger printing of marine cyanobacteria.

**179.*Muthukumar, C., Muralitharan, G. and N. Thajuddin – Characterization of Marine Cyanobacteria by SDS-PHAGE of whole cell proteins, RAPD-PCR and 16 S RNA gene**.

**180. *Mubarak Ali, D., Jayarajan, M. and N. Thajuddin – Plant extract mediated synthesis of silver nanoparticles and its partial characterization**.

1. **National Symposium** on **Recent Trends in Algal Biotechnology** organized by Mar Athanasios College for Advanced Studies, Thiruvalla, Kerala – 689 010 on 3 - 5 August 2010.

181. Mubarak Ali, D. and N. Thajuddin – Sequence based phylogenetic analysis of phycocyanin gene from marine cyanobacteria.

55. **Second National Conference on** "**Bioprospecting of Marine Resources with Special reference to Marine Natural Products and Drug Discovery"** organized by Dept. of Oceanography and Coastal Area Studies, School of Marine Sciences, Alagappa University, Thondi - 623 409 Ramnad District on 25 - 27 August 2010.

182.Arvind Kumar R. and N. Thajuddin - Biodiversity of marine microalgae from the Manora coast, Tamilnadu

183. Ilavarasi, A., Mubarak Ali, D., & Thajuddin, N. - Lipid exploitations of *Monoraphidium* sp. NTAI02: From Pharmaceuticals to Biofuels

184. Johncy. K., Praveen Kumar, R. and N. Thajuddin - *Chlorella sp.* LPVMA2, a potential candidate for biodiesel production.

185. Mahalakshmi, G., Shameera, K., Praveen Kumar, R. and N. Thajuddin - Development of axenic unicellular microalgae NTRPO1 and NTRPO2 and studies with their associative bacterial communities.

186. ***Mubarak Ali, D and N. Thajuddin - Morphological, biochemical and molecular characterization of marine cyanobacterium, *Phormidium tenue* NTDM05.**

187. Mari Nivetha, T., Shenbagavalli, T., Mubarak Ali, D. and N. Thajuddin - 18S rDNA sequence characterization of the marine diatom, *Cymbella tumida.*

188.***Praveen Kumar, R., Johncy, K. and N. Thajuddin - Investigations on the effect of nitrogen depletion on growth and lipid accumulation in a filamentous branched microalga.**

189. Shameera, K., Mahalakshmi, G., Praveen Kumar, R. and N. Thajuddin - Effects of various stress conditions on growth and lipid accumulation in microalgae.

190. Shenbagavalli, T., Mari Nivetha, T., Mubarak Ali, D and N. Thajuddin - Antibacterial properties of lipid extracts from *Scenedesmus bijugatus var bicellularis.*

191. ❖N. Thajuddin and G. Subramanian - Biotechnological applications of Marine Cyanobacteria.

56. **National symposium on Marine Plants** - Jointly organized by CAS in Marine Biology, Annamalai University, parangipettai & Seaweed Research and Utilization Association, Mandapam on September 23 – 25, 2010.

192. Shenbagavalli. T, Mari Nivetha. T, Mubarak Ali, D. and N. Thajuddin - The effect of nitrogen starvation on growth and lipid in *Scenedesmus bijugatus* var *bicellularis.*

193. Mubarak Ali, D., Mari Nivetha, T., Shenbagavalli, T., Parveez Ahamed, A. and N. Thajuddin - Exploration of 18S rDNA sequence characterization of the marine and fresh water diatom, *Synedra* sp.

194. Vijayan, D., Muralitharan, G. and N. Thajuddin - Characterization of $tRNA^{fMet}$ Group I self-splicing Introns in Cyanobacteria.

195. N. Anandakumar and N. Thajuddin - Antibactertial effects of marine Hypotrichous Ciliate, *Euplotes crassus* against human pathogens.

196. Ilavarasi. A. and N. Thajuddin - Studies on fatty acid profile of marine microalgae under stress condition.

197. Praveen Kumar, R., Mubarak Ali, D., and N. Thajuddin - Analysing the efficiency of Fourier Transform Infrared Spectroscopy (FT-IR) as a tool for taxonomic discrimination of cyanobacteria.

198. Rajeshwari. K., Satheesh Kumar, M. and N. Thajuddin - Removal of Pb(II) by immobilized and free cells of marine *Oscillatoria* sp. NTMS01 and *Phormidium* sp. NTMS02.

199. Shameera, K., Mahalakshmi, G., Praveen Kumar, R. and N. Thajuddin - The effects of illumination at various intensities on the growth and lipid accumulation in microalgae.

200. Parveez Ahamed, A., Mubarak Ali, D. and N. Thajuddin - Mutation based studies on Nitrate Reductase (NR) gene in *Chlorella* sp., NTMP04.

201. Mahalakshmi, G., Shameera, K., Praveen Kumar, R. and N. Thajuddin - Molecular Characterization of Cultivable Epiphytic bacterial Communities on Green algae.

202. Arvind Kumar R and N Thajuddin - Biodiversity of Marine Microalgal population from Manora coast, Tamilnadu.

57. **National Seminar on "Recent Trends in Microbial Technology with Special Reference to Extremophiles"** Organized by the Department of Microbiology, Periyar University, Salem 636 011 on October 21 & 22, 2010.

203. Muralitharan, G. and N. Thajuddin - Extremophilic Cyanobacteria – A potential candidate for bioremediation.

204. ***Baldev, E., Lewis Oscar, F., Mubarak Ali, D. and N. Thajuddin – Preliminary Screening for the efficiency of Microalgae on dye decolouration**.

205. ***Mubarak Ali, D. Reehana, N. and N. Thajuddin – Molecular, Biochemical and Biotechnological characterizations of c-phycocyanin from marine cyanobacterium *Spirulina subsalsa* NTDM21.**

58. **National seminar on "The Impact of Climate Change on Biodiversity"** Organized by the Department of Plant Science, Kanchi Mamunivar Centre for Post Graduate Studies, Pondicherry. January 21-22, 2011

206. ***Ilavarasi. A and N. Thajuddin - Partial Characterization of *Chlorella* sp. GU186909 and *Monoraphidium* sp. HM768826 for its lipid content with reference to biodiesel production.**

59. **National Conference on Biodiversity: Richness, Uses, Threats and Conservation**. Organized by the Department of Biology, The Gandhigram Rural Institute – Deemed University, Gandhigram 625 302, January 19 – 21, 2011.

207. Anandakumar, Thajuddin, N. and Muralitharan, G. Physico-chemical properties, seasonal variations in species composition and abundance of microzooplankton in Gulf of Mannar, India.

60. **National Conference on "Recent Advances in Mycology Research**" organized by Centre for Advanced Studies in Botany, University of Madras, Chennai – 600 025, 8-9 February, 2011.

208. Mubarak Ali, D., Leo Antony, M., Mari Nivetha, T., Shenbagavalli, T., Parveez Ahamed, A., Praveen Kumar, R. and N. Thajuddin. PCR based sequence analysis of internal Transcribed Spacers (ITS) in *Trichoderma viride* isolated from mushroom.

61. **National seminar on "Application of Nanotechnology in current Agricultural Practises"** organized by Dr. Zakir Hussain College, Ilayangudi – 630 702 jointly with Ganapathy College of Engineering, Paramakudi, Ramnad District. On 9 – 10, February, 2011.

209. ***Karthiga Devi, K., Reehana, N., Mubarak Ali, D., Santhosh, R. and N. Thajuddin. Bio and chemical synthesis of nanoparticles and antimicrobial activity against isolated plant pathogens**.

210. ***Mubarak Ali, D., Santhosh, R., Divya, C. and N. Thajuddin. Studying structural nonopattern of the diatom by Scanning Electron Microscopy (SEM).**

63. **National Symposium on "Prospects and Retrospects in Microbial Technology"** organized by the Department of Microbiology and Biotechnology, Cauvery College for Women, Tiruchirappalli 620 018 jointly with the Department of Microbiology, Bharathidasan University, Tiruchirappalli 620 024 on February 17 & 18, 2012.

211. Suresh, A., Dhanasekaran, D. and N. Thajuddin. Biodiversity of Microalgae from Theni District, Tamilnadu, India.

212. Reehana, N., Mubarakali, D. and N. Thajuddin. Sequence based *in silico* analysis of C Phycocyanin gene from the cyanobacterium *Oscillatoria salina* NTDM51.

213.Praveenkumar, R., Mahalakshmi, G., Shameera, K. and N. Thajuddin. Molecular diversity of cultivable epiphytic bacterial communities on *Chlorella* sp.

214. Kannan, K., Vijayan, D., Mubarakali, D., Praveenkumar, R. and N. Thajuddin. Characterization of Phycoerythrin pigment from the *Anabaena variabilis* NTVMK03 isolated from *Azolla*.

215. Parveez Ahamed, A., Jayamitra, R., Mohammed Shahin, S.A., Anandakumar, N. and Thajuddin, N. Molecular characterization of gastropod associated microorganisms and their antimicrobial property against clinical pathogens.

216. Ilavarasi, A., Mubarakali, D., Praveenkumar, R. Baldev, E., Sivaranjani, M. and N. Thajuddin. Effect of various media on the growth and total chlorophyll content of fresh water microalgae.

217. Vijayakumar, R., Thajuddin, N. and A. Panneerselvam. Antimicrobial potentiality of *Streptomyces matensis* VPTS32 – A marine actinomycete isolated from Palk Straight of Bay of Bengal, South India.

218. Arvind Kumar, R., Suresh, A., Lewis Oscar, F. and Thajuddin, N. Biodiversity of microalgae in the Palk strait region of Bay of Bengal, India.

64. **National Conference on "Recent Advances in Algal Biotechnology (NCRAAB - 2012) & M O P Iyengar Quasquicentennial Year Celebration"** organized by CAS in Botany, University of Madras, Guindy, Chennai – 600 025 on 16 & 17 February, 2012.

219. Jayashree Rout, Dharitri Borah and N. Thajuddin. Cyanobacterial communities inhabiting Jhumland ecosystems of Assam, India.

65. **National conference on Microbiological Research in 21st Century**, organized by the Department of Microbiology, Bharathidasan University, Tiruchirappalli – 620 024 on February 27 & 28, 2012.

220. Manivannan, N., Thilagavathy Daniel and N. Thajuddin. A study on vermicompost microflora of *Eudrilus eugleniae* using leaf litters.

221. Arvind Kumar, R., Suresh, A. and N. Thajuddin. Biodiversity of marine microalgal population from Manora Coast, Tamilnadu.

222. Vijayan, D., Muralitharan, G. and N. Thajuddin. Characterization of $tRNA^{fmet}$ Group I self-splicing intron in cyanobacterium *Oscillatoria* sp. NTDV18.

223. Suresh, A., Dhanasekaran, D. and N. Thajuddin. Biodiversity of microalgae from Theni District, Tamilnadu, India.

224. Mohammed Shahin, S.A., Parveez Ahamed, A. and N. Thajuddin. Antimicrobial activity of Actinomycetes isolated from Myanmar Against Multi drug resistant *Pseudomonas* sp.

225. Praveenkumar, R., Johncy, K.M MubarakAli, D., Vijayan, D. and N. Thajuddin. *Stigeoclonium* sp. Kutz.BUM11007: A New source of lipids for biodiesel production.

226. Ilavarasi, A., Hajira Fathima, S. and N. Thajuddin. Effect of chicken Manure on growth and biochemical composition of microalga, *Chlorella* sp.

66. **National Seminar on "Recent Trends and Future Prospects of Biodiversity and Conservation"** organized by the Department of Botany and Zoology, Sree Narayana College, Kollam – 691 305, Kerala State on March 15 – 16, 2012.

227. Suresh A., Dhanasekaran, D. and N. Thajuddin. Biodiversity of Microalgae from Teni District, Tamilnadu, India.

67. **State level seminar on "Emerging Advancements in Biosciences"** organized by the Department of Microbiology & Biotechnology, Jamal Mohamed College, Tiruchirappalli – 620 020 on 17th March 2012.

228. ***Ilavarasi, A., Hajira Fathima, S. and N. Thajuddin. Effect of dried chicken manure on growth and total protein content of microalga, *Chlorella* sp.**

229. Parveez Ahamed, A., Mohammed Shahin, M.A., * Peer Muhamed Noorani, K. and N. Thajuddin. Phenotypic detection of ESBL producers from gram negative bacteria using combination disc method.

230. Reehana, N., Rosy Preethi J*., Mubarak Ali, D., Parveez Ahamed, A and N. Thajuddin. Extraction and Estimation of Phycobiliprotein from Cyanobacteria *Oscillatoria salina* NTDM51 and *Oscillatoria chlorina* NTDM56.

231. ***Mubarak Ali, D. and N. Thajuddin. Biological Synthesis of Gold Nanoparticles and its Biomedical applications.**

68. **National Seminar on "Forest Health Management (FHM - 2012)"** organized by Institute of Forest Genetics and Tree Breeding, Coimbatore 641 002, on March 21 – 22, 2012.

232. Rajalakshmi, S., Thajuddin, N. and V. Jeyakumar. Salt tolerance and nitrogen fixing properties of *Rhizobium* spp. associated with wild legumes found in coastal and forest areas of Andaman & Nicobar Islands.

69. **National Seminar on "Role of Microbes in Health, Agriculture and Industry"** organized by the Department of Biotechnology, Alagappa University, Karaikudi – 630 003 on March 26 – 27, 2012.

233. Mohamed Imran, M., Dhanasekaran, D., Muralitharan, G. and N. Thajuddin.Anaerobic degradation of plant fibres in ruminants.

234. Reehana, N., Parveez Ahamed, A., Soundarajan, S. and N. Thajuddin. Molecular phylogenetic and computational analysis of c-phycocyanin gene from cyanobacterium *Phormidium rubroterricola* NTRI02.

235. Parveez Ahamed, A., Mphammed Shahin, S.A., Arvind Kumar R., Muhamed Norani, P. and N. Thajuddin. Screening of Metallo-β-lactamase producers including multi drug resistant bacteria isolated from burn patients.

236. Syed Jahangir, H., Gheetha, T. and N. Thajuddin. Soil actinobacteria induced biotransformation of butachlor (Herbicide).

237. Pandiaraj, D., Sharmilabanu, K., Soundarajan, S., Mubarak Ali, D. and N. Thajuddin. Isolation and biotechnological applications of fresh water cyanobacteria from Myanmar.

**70. National Conference on "Microbial Technology for Sustainable Development"** organized by the Department of Biology, The Gandhigram Rural Institute - Deemed University, Gandhigram - 624 302 on February 1 & 2, 2013.

238. Ilavarasi, A., Renuka, J., Naveena, V., Indraprasad, V. and N. Thajuddin. Experimental evidence on crude oil degradation by microalgae *Chlorococcum* sp.

239. Ilavarasi, A., Naveena, V., Kartheeswari, M.P. and N. Thajuddin. Study on biological degradation of monocrotophos by microalga, Selenastrum sp. isolated from paddy field.

**71. National Symposium on "Fundamental and Applied Phycology"** Organized by the Department of Botany, Punjabi University, Patiala – 147 002 During March 25 – 26, 2013.

240. Arvind Kumar, R. and N. Thajuddin.Biodiversity of Marine Microalgae from Manora Coast, Palk Strait, Tamilnadu.

241. Baldev, E., Mubarakali, D,.Pandiaraj, D., Arunkumar, J., Harish Nag, K,. Sheik Syed Ishack, K.A. and Thajuddin N. Gold Nanoparticles from Pro and Eukaryotic Photosynthetic Microorganisms - Comparative studies on Synthesis and its application on Biolabelling.

242. Lewis-Oscar, F., Praveenkumar, R. and N. Thajuddin. Bioethanol production with microalga *Stigeoclonium* sp. Kütz.Bum11007cultivated in domestic wastewater.

243. Pandiaraj, D., Ilavarasi, A., Mubarak Ali, D, Mohammad Ilyas. M. H. and N. Thajuddin. Evaluation of efficient extraction methods for recovery of photosynthetic pigments from microalgae.

244. Parveez Ahamed, A. A. and N. Thajuddin. Screening of ESBL inhibitor from indigenous cyanobacteria against MDR associated TEM, SHV and CTX-M Genes carrying Gram Negative Bacteria.

245. Praveenkumar, R., Lewis-Oscar, F., Cinna Raju, R. and N. Thajuddin. Outdoor semicontinuous cultivation of *Chlorella* sp. BUM11008 for biodiesel production.

246. ***Reehana, N., Parveez Ahamed, A. and N. Thajuddin. Phylogenetic characterization and homology modelling of C-Phycocyanin gene from *Oscillatoria nigroviridis* NTRI01.**

247. Santhoshkumar. S., Kala. K. and Thajuddin. N. Freshwater microalgal biodiversity from different agricultural fields in Karur District (Tamilnadu) India.

248. Suresh, A., Arvind Kumar, R., Praveen Kumar, R., Rajesh, K., Gopinath, P.M. Dhanasekaran, D. and N. Thajuddin Diversity and ecobiological evaluation of fresh water microalgae in lentic aquatic habitats in Teni District, Tamilnadu.

249. Muralitharan, G., Vijayan, D. and N. Thajuddin. Phylogeny of $tRNA^{fmet}$ gene Group I Self-Splicing Intron in *Azolla* sp. associated Cyanobacteria.

**72. National Seminar on "Microbe and Human Welfare"** Organized by the National Academy of Biological Sciences (NABS) jointly with The Department of Microbiology, Bharathidasan University, Tiruchirappalli – 620 024 at Bharathidasan University during July 20 – 21, 2013.

250. Manivannan, N., Thajuddin, N. and D. Thilagavathy. Evaluation of vermicast microflora of *Eudrilus eugeniae* using leaf litters of *Tephrosia purpureae*.

251. Mubarak Ali, D. and N. Thajuddin. Synthesis and characterization of copper nanoparticles for effective antibacterial property to clinically isolated multi drug resistant microorganisms.

252. Baldev, E., MubarakAli, D. Pandiaraj, D. and N. Thajuddin. Nanofabrication of gold nanoparticles to cotton for the development of dying in textile industry- A novel approach.

253. ***Praveen Kumar, R. Lewis-Oscar F. and N. Thajuddin. Outdoor semicontinuous cultivation of *Chlorella* sp., BUM11008 for biodiesel production**

254. Vijayakumar, R. Panneerselvam, A. and N. Thajuddin. Diversity of bioactive compound producing marine actinobacteria from Palk Strait region of Bay of Bengal during Tsunami Era December 2004: A Survey.

255. Arvind Kumar R. and N. Thajuddin. Biodiversity of marine microalgal population from Manora Coast of Tamil Nadu.

256. ***Reehana, N. Suresh, A. Parveez Ahamed A and N. Thajuddin. Biodiversity of microalgae in the Puliyanthangal lake of Ranipet of Tamil Nadu (India).**

257. Santhoshkumar, S., Kala, K. and N. Thajuddin. Freshwater microalgal biodiversity from Paddy fields in Tiruchirappalli District of Tamil Nadu.

258. Parveez Ahamed, A. Arjun, A. Reehana N. and N. Thajuddin. Extensive cefepime resistant gram-negative bacteria isolated from burned patients: Implication for CTX-M gene analysis.

**73. National Conference on "New oppertunities and challenges in microbial research"** Organized by the Department of Microbiology, Bharathidasan University, Tiruchirappalli – 620 024 during September 5 & 6, 2013.

259. Manivannan, N., Thajuddin, N. and D. Thilagavathy. Studies on microflora in vermicompost of *Eudrilus eugenea* using leaf litters.

260. Suresh, M., Rath, P.K., Panneerselvam, A., Anchanadevi, C., and N. Thajuddin. Incidence of oppertunistic fungal infections in HIV/AIDS patients accordance to various stages of CD4 count and viral load in people in and around Trichy.

261. Santhakumari, S., Karutha Pandian, S., Thajuddin, N. and A. Veera Ravi. Anti-quarum sensing properties of marine cyanobacteria against aquatic bacterial pathogen *Vibrio harveyi*.

262. Chinnaraju, R., Baldev, E., MubarakAli. and N. Thajuddin. Exploration of $CO_2$ sequestration potential of microalgae for biofuel production.

263. **Sivasankara Narayani, S., Reehana N. and N. Thajuddin. Various environmental Stress conditions for the production of mycosporin like amino acids by *Oscillatoria boryana* NDRI12**

**74. National Seminar on "Recent trends in applied algal research" and "23rd Founding Day celebrations of Krishnamurthy Institute of Algology"** organized by Krishnamurthy Institute of Algology, Chennai - 600 040 and Centre of Advanced Study in Botany, Guindy Campus, University of Madras, Chennai - 600 025 during September 21 & 22, 2013.

264. Baldev, E, Pandiaraj, D and N. Thajuddin. Preliminary screening and partial characterization of microalgae for biobutanol production

265. Pandiaraj, D., Baldev, E., Thajuddin, N and M.H. Muhammed Ilyas. 16S rDNA gene characterization and biotechnological application of marine cyanobacterium, *Phormidium persicinum* NTDP1

266. **Baldev, E. Shriraman, R.V., Lavanya, R., Pandiaraj, D., MubarakAli, D and N. Thajuddin. Efficient extraction and partial characterization of cyanobacterial exopolysaccharide (EPS) for flocculation activity**

267. Vijayan, D., Muralitharan, G. and N. Thajuddin.Probing the phylogeny of Group I Self-Splicing Intron in $tRNA^{fmet}$ gene from cyanobacteria as a molecular marker.

**75.National Conference on "Frontiers in Algology and Algal Biotechnology (NCFAAB)"** organized by the Vishva-Bharathi (A Central University), Santiniketan - 713 235 during November 15&17, 2013.

268. Thajuddin N. - Morphological, Biochemical and Molecular Phylogeny of Cyanobacteria

269. Parveez Ahamed A., Gayathri, M., Akbarshah M.A. and Thajuddin N.- *In vitro* toxicology of *Oscillatoria acuminata* NTAPC05 methanol extract in HepG2 and HEK293 cell lines - Implication for anticancer property

270. Lewis-Oscar, F., Nithya, C., Nithya, K. and N Thajuddin - Antibiofilm activity of *Spirulina platensis* against *Pseudomonas aeruginosa*

271. Suresh, A., Dhanasekaran, D. and N. Thajuddin - Algal diversity and bio-indication of water habitat in Theni District, Tamilnadu

272. Arvind Kumar, R. and N. Thajuddin - Biodiversity of Marine Microalgae from Manora coast, Tamil Nadu

273. Vijayan, D., Muralitharan, G. and N. Thajuddin - Screening of endonuclease coding gene within Group I Intron in $tRNA^{fmet}$ gene from cyanobacteria

274. Baldev, E, MubarakAli, D., Pandiaraj, D., Lavania R.M, and N. Thajuddin- Optimization of various parameters for the utilization of microalgal carbohydrate as a sustainable source for biobutanol production.

275. Thangaraj R., Suresh A., Dhanasekaran D. and N. Thajuddin - Antimicrobial activity of Cyanobacterial Fatty Acid Methyl Esters (FAME)

276. Manivannan, K., Anantharaman, P .and N. Thajuddin- Biodiesel production from marine macroalga *Ulva fasciata*

277. **Reehana, N., Sivasankara Narayani, S., Mohamed Imran, M. and N. Thajuddin Optimization and characterization of Scytonemin produced by *Oscillatoria boryana* NTRI09 and *Geitlerinema pseudacutissimum* NTRI18.**

**76. National Conference on "Recent Advances in Algology, Mycology and Plant Pathology (NCRAAMPP - 2014)"** organized by the Centre for Advanced Studies in Botany, Guindy campus, Chennai - 600 024 during February 19 - 20, 2014.

278. **Lewis-Oscar, F., Nithya, C. and N. Thajuddin - Quorum sensing inhibition efficiency of *Chroococcus* sp.**

279. Arvind Kumar, R. and N. Thajuddin - Biodiversity of Marine Microalgal population from Manora coast, Tamil Nadu.

280. Baldev. E, Mubarak Ali. D, Pandiaraj. D and N. Thajuddin - Characterization of growth and lipid content of the diatom *Cymbella* sp.

281. Pandiaraj. D, Baldev. E, Mubarak Ali. D, Muhammed Ilyas M. H and N. Thajuddin - C-Phycoerythrin pigment production from selected marine cyanobacteria

282. Parveez Ahamed, A., Mohamed Imran, M and N. Thajuddin - Antioxidant property and toxicity analysis of marine cyanobacterium *Oscillatoria acuminata* NTAPC05

283. Vijayan, D., Nithya, C. and N. Thajuddin Development of new specific primers to investigate the cyanobacterial 16S Ribosomal RNA gene.

**77. National Conference on "Recent trends in Bioprospecting of Plants"** organized by the Department of Plant Sciences, Bharathidasan University, Tiruchirappalli – 620 024 during March 28 – 29, 2014.

284. Manivannan, N., Thajuddin, N. and Thilagavathy Daniel – Studies on the effect of biofertilizer enriched vermicompost in enhanced crop production.

**78**. **National Conference on Progress in Algology in the Indian Context**" jointly with the Krishnamurthy Institute of Algology, Chennai andDepartment of Microbiology, Bharathidasan University, Tiruchirappalli – 620 024 during September 19 – 21, 2014

285. Santhoshkumar S., Kala K. and Thajuddin.- Microalgal biodiversity from Akash Ganga falls (Kolli Hills) Namakkal district (Tamilnadu) India**.**

286**.** Dhivya, M. Baldev.E and N.Thajuddin - Screening of microalgae for biodiesel production coupled with nutrient removal from domestic sewage.

**287. Kanimozhi, M. Baldev E. and N. Thajuddin - Exploration of diatoms for their efficiency as a feedstock for biodiesel production.**

288**.** Lewis-Oscar, F. Nithya, C. Bakkiyaraj, D, Arun Kumar, M. and N. Thajuddin - Antipathogenic potential of *Chlamydomonas* sp against. *Pseudomonas aeruginosa.*

**289. Baldev, E. Mubarakali, D, Pandiaraj D. and N. Thajuddin - Screening and optimization studies on biomass production, harvesting and lipid extraction from microalgae for biodiesel production.**

290. Dharitri Borah, Jayashree Rout and N. Thajuddin- Polyphasic characterization of *Nostoc commune* (Cyanobacteria, Nostocaceae) isolated from rice growing agro-ecosystems of Dima Hasao district of Assam, North-East India.

291. Reehana, N. Parveez Ahamed, A. Julie,A. and N. Thajuddin - Biochemical and molecular characterization of selected cyanobacterial strains isolated from Vellore**.**

292. Sumathy S, Muralitharan G, and N. Thajuddin - Molecular characterization of nitrogen and hydrogen producing genes from *Trichodesmium* sp.

293. Veera Ravi, A., KaruthaPandian, S. and N. Thajuddin - Quorum Sensing Inhibitors from Microalgae-"Green Gold" for the Future Therapeutic Agents.

**79.National Symposium on Mycological Research – Emerging Trends, Applications and Prospects & 41st Annual Meeting of Mycological Society of India**" organized by the Department of Botany, Punjabi University, Patiala 147 002 during February 23 - 24, 2015.

294. M. Narayanasamy, D. Dhanasekaran and N. Thajuddin – Isolation, characterization and bioleaching of metals from E-waste using acidophilic fungi.

295. Selvakumar, V. Panneerselvam, A., Thajuddin, N. and Suresh, M.- Endophytic fungi assemblages in mangrove plants of *Rhizophora mucronata* and their antibacterial activity against extended spectrum β-Lactamases producing (CTX-M type) *Escherichia coli*.

296. Thangaraj, R., Dhanasekaran, D. and Thajuddin, N. – Fungal biosynthesis, characterization and Mosquito larvicidal properties of silverb nanoparticles.

297. Vinothini, G., Latha, S., Dhanasekaran, D. and Thajuddin, N. - Mutagen impact on Oyster Mushroom *Pleurotus eous* APK1 for improvement of nutritional composition.

**80. National Symposium on "Algae for Human Welfare" (AFHW 2015)** organized by Department of Botany and Microbiology, Pithapur Rajah's Govt. College, Kakinada 533 001 Andhra Pradesh during August 19-21, 2015.

298. Dharitri Borah, Jayashree Rout & Nooruddin Thajuddin - *Cylindrospermum muscicola* (Nostocales, cyanobacteria) from terrace paddy field soil of Assam, North-East India: morphological, biochemical and molecular studies.

**299. M. Lavania Ramachandran, E. Baldev and N. Thajuddin - Extraction and Optimization of Exopolysaccharide (EPS) from Cyanobacteria with special reference to their biotechnological applications.**

300. Felix LewisOscar, Chari Nithya, Manivel Arunkumar, Marimuthu Prabakaran, Nooruddin Thajuddin - Exploring the biofilm inhibitory potentials of *Oscillatoria* sp. against *Pseudomonas aeruginosa*.

301. Abdulazees Parveez Ahamed and Nooruddin Thajuddin - Screening and identification of anti- ESBL bacterial compound MGDG- Palmitoyl from cyanobacterium *Oscillatoria acuminata* NTAPC05; in vitro killing effect tested against high level resistant ESBL- *E. coli.*

302. G. Narchonai and N. Thajuddin - Microalgal biodiversity of selected Temple Ponds in Puducherry, South India.

303. D. Pandiaraj, E. Baldev, R. Thangaraj, D. Mubarakali, M.H. Mohamed Ilyas and N. Thajuddin - $CO_2$ sequestration using hyper saline microalgae - selection and optimization.

304. Santhoshkumar. S., Kala K. and Thajuddin. N, Seasonal variation and biodiversity of diatoms in the hyper saline environment of Periyapattinam, Tamil Nadu.

305. Seema, R. Beema Shafreen and N. Thajuddin - Exploration of *Nitzschia palea* silver nanoparticle against ESBL producing gram negative pathogens **(Poster)**

306. R. Thangaraj, S. Santhoshkumar, D. Dhanasekaran and K. Kala and N. Thajuddin- Morphological and Biochemical Characterization of *Anabaena variabilis* NTSS17 and its Application in Nanotechnology

307. E.K. Aswini Priya, R. Beema Shafreen and N. Thajuddin - Characterization of water soluble pigments and their antipathogenic effects and toxicity assessment using *Artemia* as model system.

**81. National conference on Advances in Biological and Environmental Sciences** organized by Department of Biology, Gandhigram Rural Institute-Deemed University Tamilnadu India on 25-26, February 2016.

308. F. L. Oscar, C. Nithya and **N. Thajuddin.** Antibiofilm potential of *Oscillatoria subuliformis* against *Pseudomonas aeruginosa.*

**82. National Seminar on Frontiers in Biosciences** organized by Department of Microbiology and Biotechnology, Jamal Mohamed College, Tiruchirappalli, Tamil Nadu on March 5, 2016.

309. R. Thangaraj, D. Pandiaraj and **N. Thajuddin**. Scale Up Cultivation of hypersaline *Chlorella* sp. from Indoor and Outdoor for biodiesel production

**83. National Conference on Basic and Applied Researches in Plants and Microbes** organized by Department of Botany, Punjabi University, Patiala – 147 002, Punjab on November 3 – 5, 2016.

310. MubarakAli, D., Kumaravel, S., Baldev, E. and **N. Thajuddin** – Microalgal Fuel Cells mediated Electricity production using fresh water microalga *Collestrella terrestris.*

311. Suresh, A. and **N. Thajuddin** – Influence of Environmental variables on Diatom species diversity in the freshwater ponds in Nagarkoil, Kanyakumari District.

312. Borah, D., Priyanga, S., Baldev, E., Rout, J. and **N. Thajuddin** – Differentiation of *Nostoc commune* strains based on PCR Finger printings (RAPD, STRR and M13).

313. ***Lavania, R. and N. Thajuddin – Diversity of Microalgae from Todupuzha water bodies, Kerala.**

314. Arutselvan, C., Baldev, E., MubarakAli, D. and **N. Thajuddin** – Growth assessment and screening of microalgae for Biodiesel production.

315. Arunkumar, M., Divya, S., Lewis Oscar, F., Nithya, C. and **N. Thajuddin** – Anti-adhesion activity of Cyanobacterial exopolysaccharide against *P. aeruginosa* and *Klebsiella* sp.

316. Vijayalakshmi,.S., Panneerselvam, A. and **N. Thajuddin**. – Diversity of endophytic fungi from pneumatophore and leaves of *Avicenia marina* in Muthupettai mangroves of Tamil Nadu.

**84. National Conference on Algal Biology and Biotechnology** organized by Department of Biotchnology University of Madras, Chennai – 600 025 jointly with Krishnamurthy Institute of Algology, Chennai – 600 040 November 24 – 26, 2016

317. Felix LewisOscar, Chari Nithya, Marimuthu Prabhakaran, **Nooruddin Thajuddin**- Attenuation of quorum sensing controlled *Pseudomonas aeruginosa* PA14 biofilms using cyanobacteria derived Palmitic and Oleic acid

318. Santhosh Kumar, S., Kala, K., Jeyaprakash, R., Velayutham, P. and **Thajuddin. N** - Effect of cyanobacterial extracellular products on tuber induction from the callus and shoot formation of *Gloriosa superba* L.

319. Baldev, E., MubarakAli, D., Arutselvan, C and **N. Thajuddin**- Microalgal biomass and lipid production using waste water as nutrients for biodiesel production

320. Thangaraj Rand **N. Thajuddin** - Optimization of different media for growth and biomass production of fresh water microalga *Chlorella* sp. isolated from Thiruverumbur Lake, Tiruchirappalli, Tamil Nadu

321. Pandiaraj D., Baldev, E. SureshA, Mubarak Ali, D., Mohamed Ilyas M. H. and **N. Thajuddin** - Influence of Environmental variables on Microalgal species diversity in the Mandapam Coast, Gulf of Mannar, Tamilnadu

322. Narchonai G. and **N. Thajuddin** - Effect of 2, 4-dichlorophenoxy acetic acid (2, 4-D) on *Chlorococcum humicola*

**85. National Conference on "Biodiversity, Biology and Biotechnology of Algae (NCBBBA-2017)"** organized by Centre for Advanced Studies in Botany, University of Madras, Chennai – 600 025 on January 9 – 10, 2017.

323. Baldev, E., Arutselvan, C., MubarakAli, D. and N. Thajuddin - Microalgal Biomass and Biodiesel Production using Raceway Pond System.

324. LewisOscar, F., Nithya, C., Prabhakaran, M. and N. Thajuddin - Attenuation of quorum sensing controlled *Pseudomonas aeruginosa* PA14 biofilms using cyanobacteria derived Palmitic and Oleic acid.

325. Shakena-Fathima, T., Baldev, E., MubarakAli, D., and N. Thajuddin - Development of *Synechococcus elongatus* NRMC-F101 axenic culture using Gas plasma.

326. A. Suresh, E. Baldev, D. Dhanasekaran and N. Thajuddin - A taxonomic study of the freshwater Cyanobacteria - a polyphasic approach.

327. Dharitri Borah., Gayathri, R., Baldev, E., Jayashree Rout and N. Thajuddin - Production and characterization of released exopolysaccharide from *Nostoc muscorum* isolated from Assam, North-East India.

328. Thangaraj, R. and Thajuddin, N. - Biochemical analysis of *Nitzschia* sp. isolated from paddy field, Sooriyur, Tiruchirappalli.

329. Narchonai, G. and N. Thajuddin - Impact of 2, 4-dichlorophenoxy acetic acid (2, 4-D) on *Chlorococcum humicola*- a freshwater green alga.

330. MubarakAli, D., Shajidha Banu, J and N. Thajuddin - Screening and quantification of carbonic anhydrase producing microalgae.

331. Reehana, N., Mohamed Imran, M., Parveez Ahamed, A.and N. Thajuddin - Biodiversity and Molecular Characterization of Microalgae in the Kalavai Lake, Vellore, Tamil Nadu (India).

**86. 10th NABS National Conference on "Recent Trends in Life Sciences: Research, Practice and Applications for Sustainable Development"** organized by the Departments of Botany and Zoology, Bharathiar University, Coimbatore and National Academy of Biological Sciences, Chennai on September 7 – 8, 2017.

332. ***Lavania R. and N. Thajuddin - Cyanobacterial Exopolymeric Substances: Characterization to Applications**

**87. National Conference on Algal Diversity, and Resource Status: Current Trends in Utilization and Prospects for Innovation** organized by PG & Research Department of Botany & Marine Ecology and Conservation Lab, PG & Research Department of Zoology, V.O. Chidambaram College, Tuticorin – 628 008 jointly with Seaweed Research & Utilization Association & Krishnamurthy Institute of Algology on September 21 – 23, 2017.

333. Suresh, A. and N. Thajuddin – Studies on plant growth promotion and its partial characterization of two heterocystous cyanobacteria for improving food grains.

334. Surendra Singh, Ankita Kachhwaha and Nooruddin Thajuddin – Influence of photoperiod on the growth and lipid content of *Dunaliella salina*.

335. Arutselvan, C., Baldev, E., Mubarak Ali, D. and N. Thajuddin – Diversity and selection of potential microalgae from Betel fields of Karur District for biodiesel production.

336. SanthoshKumar S., Mubarak Ali, D., Kala, K. and N. Thajuddin –Microalgal diversity from Suruli Falls at Teni District, Tamil Nadu, India.

337. Narchonai, G. and N. Thajuddin – Evaluation of cell disruption strategies for efficient starch extraction from fresh water microalga *Chlorococcum humicola* for biobutanol production.

338. Thangaraj, R., SanthoshKumar. S. and N. Thajuddin – Microalgae diversity from different fresh water ponds around Karaikudi, Tamil Nadu.

**88. National Conference on "Recent Advances in Modern Biology and Rural Development" (RAMBARD-2017)"** organized by the PG & Research Department of Botany & Microbiology, AVVM Sri Pushpam College, Poondi – 613 503, Thanjavur Dt. in collaboration with the Department of Microbiology, Bharathidasan University, Tiruchirappalli – 620 024 on October 5 & 6, 2017.

339. Manivel Arun Kumar, Nooruddin Thajuddin and Chari Nithya - Attenuation of *Vibrio* spp biofilm formation through C–phycoerythrin pigment and pigment mediated synthesized silver nanoparticles

340. Baldev, E., Arutselvan. C., MubarakAli, D., and N. Thajuddin - Raceway pond cultivation and biofuel production from *Chlorella vulgaris*

341. Deepa. K. P, Panneerselvam, A. and Thajuddin, N - Bioremediation using a novel microalga on synthetic dye: Eriochrome Black T

342. ***Reehana, N., Mohamed Imran, M. and N. Thajuddin - Purification and Characterization of Phycocyanin from the efficient Cyanobacterial strains.**

343. A. Suresh and N. Thajuddin - Influence of Environmental variables on Diatom species diversity in the freshwater ponds in Nagarkoil, Kanyakumari district, Tamilnadu.

344. ***MubarakAli, D., Venkatesh, M., Shakena-Fathima, T., and N. Thajuddin- Development of *Synechococcus elongatus* NRMC-F101 axenic culture using Gas plasma**.

345. Arutselvan. C., Baldev, E., MubarakAli, D. and N. Thajuddin Isolation and assessment of potential microalgae from Betel fields of Karur District for biodiesel production

346. R. Lavania and N. Thajuddin - Sustainability of stabilization pond at Panjapur, Tiruchirappalli District for the microalgal biodiversity**.**

347. ***Felix LewisOscar, Chary Nithya, Nooruddin Thajuddin - Green synthesis of Silver Nanoparticles using *Spirulina platensis* against the biofilm of nosocomial pathogen *Pseudomonas aeruginosa***

348. G. Narchonai and N. Thajuddin - A Rapid method for extraction of starch from the microalga- *Chlorococcum humicol*a for Biobutanol production

349. R. Thangaraj and N. Thajuddin - Optimization of culture conditions for Carotenoids production in Fresh water filamentous diatom *Fragilaria capucina*

350. M. Mohamed Imran, N. Reehana, N. Thajuddin and G, Muralitharan – Statistical optimization of exopolysaccharide production by efficient probiotic strain using Response Surface Methodology (RSM).

351. R. Vijayakumar and N. Thajuddin – Occurrence of tumour (Odontoma) in marine fish *Sphyraena jello* from the southern coast of India.

352. R. Krishnan, A. Panneerselvam, A. Ilavarasi and N. Thajuddin – Isolation of pigment producing halophilic bacteria from Marakkanam salt pans and evaluation of their antioxidant ability.

353. M. Nithya, V. Ambikapathy, A. Panneerselvam and N. Thajuddin – Diversity of *Ganoderma lucidum* (Curt.:FR) P. Karst. in subtropical area of Tamil Nadu and its productive effects on Mammary cells of DMBA induced Sprague Dawley rats.

**88. *Two day International Conference on Current trends in Life Sciences*** – "Medicinal Plants and its therapeutics" organized by Kandasamy Kander's College, Velur, Namakkal Dt. & Kongu College of Arts and Science Karur, Tamil Nadu, India, on 7th August 2018

354. Lavania, R. and Thajuddin N. – Phytoplankton as antioxidants: An exemplary study.

355. Santhoshkumar, S., Jeyaprakash, R., Karthick, C., Velayutham, P. Thajuddin, N. and Kala, K. – Antiproliferative potential of *in vivo* and *in vitro* tuber of *Gloriosa superba*, L. using A549 human lung cancer cell line.

356. Balaperiyasamy, B., Panneerselvam, A. and Thajuddin, N. – A study on anticancer properties of *Hypericum wightianum* Wall. Ex. Wight and Arn.

357. Shakena Fathima, T. Anju Majeed, and Thajuddin, N. – Augmenting antidiabatic and antiobesity activity of curcumin using *Spirulina platensis*.

358. Thangaraj, R. and Thajuddin, N. – Optimization of medium for biomass production of *Anabaena iyengari* and its synthesis of silver nanoparticle

**89. National Seminar on "Recent Trends in Microbial Technology"** organized by the Department of Botany, Government college of Arts, Science & Commerce, Quepem, Goa – 403 705 on February 8 – 9, 2019.

359. Narayanasamy, M., Dhanasekaran, D., Rajkumar, J., Panneerselvam, A. and Thajuddin, N. – Antimicrobial potentials of *Frankia* spp. against phytopathogens from *Casuarina equisetifolia*.

**90. 11th NABS – National Conference on *Climate Change Driven Challenges on Indian Biodiversity: Innovative solutions for sustainable development*** organized by Department of Microbiology, School of Life Sciences, Pondicherry University, Puducherry – 605 014 and National Academy of Biological Sciences, (NABS) Chennai – 600 025 on 25 – 27 September 2019.

360. Lavania, R., Narayanasamy, M., Kavitha, M.S. and Thajuddin, N. – Extracellular polymer profiling of *Nostoc microscopicum* and *Calothrix desertica* with its antioxidant property assessment.

361. Narayanasamy, M., Rajkumar, J., Dhanasekaran, D. and Thajuddin, N. – Bioleaching of precious metals resource from e-waste printed circuit boards using *Frankia* spp.

**362. *Ishack, K.A.S.S. AnisAhamed, N., Ambikapathy, A., MubarakAli, D., Thajuddin, N. and Panneerselvam, A. – Development of Microbial consortium for wastewater treatments.**

**363. *PeerMohamed, K., Sobanaa, M. and Thajuddin, N. – Biodegradation of emerging pollutants using freshwater microalgae.**

**91. Symposium on Biological diversity – National Perspective, Biodiversity Crisis, Concerns and Mitigation Approaches** organized by the Department of Biotechnology, Alagappa University, Karaikudi jointly with Bhabha Atomic Research Centre (BARK), Mumbai on 14th May, 2022.

364. ***Arutselvan, C., Fayaazuddin, T. and Thajuddin, N. - Assessment of microalgal and cyanobacterial diversity and water quality in Betel vine (*Piper betle*) fields from Cauvery delta region (Karur District), India**

365. **Shakena-Fathima, T**., Muralitharan, G. and Thajuddin, N. - Effective methods of inferring taxonomic resolution of different Oscillatoria strains using 16S rRNA gene sequences

366. **Soundararajan, S.,** Vishnu Chitthan, S. and Thajuddin N. - Diversity and ecobiology of Microalgae and Cyanobacteria from Bharathidasan University campus, Tiruchirappalli, Tamil Nadu.

367. **Vishnu Chitthan, S**., Soundararajan, S. and Thajuddin, N. - Microalgae and cyanobacterial diversity analysis from selected places in South Tamil Nadu, India

**92. Annual Conference of Microbiologists Society, India (MBSI)** with a theme of "**Biotechnology for Better Tomorrow"** jointly organized by the Department of Microbiology, Taywade College, Nagpur, India. on 22nd January, 2023

368. ***Fayaazuddin, T., Dhanasekaran, D. and Thajuddin, N. - Catalytic and Anticancer Activity of MgO Nanoparticle (MgO-NPs) via Sol-Gel Technique**

**93. National Seminar on "Algal Biodiversity and Environmental Sustainability**" organized by the PG Department of Botany, Berhampur University, Berhampur, Odisha on 20 & 21 August 2024.

**369. *Fayaazuddin Thajuddin, Thajuddin Nooruddin and Dhanasekaran Darmadurai -** Biosynthesis and characterization of Titanium oxide nanoparticles and antibiofilm, anticancer and biodiesel production via transesterification of Microalgal consortium.

370. Sumathi Shanmugam, Manikam Gayathri, Nooruddin Thajuddin and Darmadurai Dhanasekaran – Cyanobacterial plant growth potential and their augmented effect on salinity and insecticidal stress of *Oriza sativa* L.

**94. National Conference on Integrative Medical Sciences** held on December 19 &20, 2024 organized Sree Balaji Medical College and Hospital, Chennai, India

**371. Agalya JP., Nooruddin Thajuddin, MubarakAli Davoodbasha 2024. Preparation of Algal Based Green Peel-off Facial Mask: An Eco-friendly and Bioorganic Bioproduct**

372. Abinaya Mani, Kavibharathi Jayendra, MubarakAli Davoodbasha, Arunkumar Jagadeesan, Jung-Wan Kim, Nooruddin Thajuddin. 2024. Development of Probiotic Capsules Derived from Indian and Korean Traditional foods.

373. Ragavi Yuvaraj., Thajuddin Nooruddin, MubarakAli Davoodbasha 2024. An Investigation of Anti-algal compounds from substrate Fungus

**95. Virtual National conference on Impact of green technology in Life Sciences held on December 27&28, 2024 organized by Department of Biochemistry, Seethalakshmi Ramasamy College, Tiruchirappalli, India**

**374. Keerthana, K., Elakiya, B., Thajuddin, N., Mubarak Ali, D. 2024. Preparation of Nutrient Rich Green Chocolate Using Microalgal Biomass**

**96. National Conference on New frontiers in Polymer Chemistry for sustainable and green future held on January 23 & 24, 2025 organized by Womens Christian College, Chenani, India**

375. Gokula Suriya, S., Sivagaami Sundarai, G., Thajuddin, N., MubarakAli, D, 2025. An Investigation of Graphene Oxide/ Hydroxy Propyl Methyl Cellulose biocomposites for Sustainable Biomaterials Applications

376. Priyanka, B.C., Thajuddin, N., MubarakAli, D. 2025. Extraction and Characterization of Paramylon from *Euglena* sp.

377. Nadia A.N., Thajuddin, N., MubarakAli, D. 2025. Isolation and identification of Green Microalgae and extraction and Stability Assessment of Carotenoids

378. Muhammad Hammad, H., Thajuddin, N., MubarakAli, D. 2025. Extraction and characterization of Biopolymer from Catfish (*Clarius gariepinus*) for wound healing application

379. Jayashree, A.P., Thajuddin, N and MubarakAli, D. 2025. Extraction and characterization of Chitosan from Native *Ganoderma* sp

**97. National Conference on Innovations in Microbial Diagnostics Bridging Biology and Technolog held on Feb 6&7, 2025 organized by Department of Microbiology, Sri Sankara Arts and Science College, Kancheepuram, India**

380. Sibisudhan Sivakumar, Nooruddin Thajuddin, MubarakAli Davoodbasha. 2025 Synthesis and stabilization of Magnetite Nanoparticles and evaluate for Biosensor applications
381. Gayathri V., Nooruddin Thajuddin, MubarakAli Davoodbasha.2025. Production of low cost edible packaging material from Peel of Citron
382. Sivasankari, V., Nooruddin Thajuddin, MubarakAli Davoodbasha. 2025. Development of Vapo-Liquid from the Extract of *Macrotyloma uniflorum* for Bacterial Skin Infection
383. Devadharshini Venkateshan., Thajuddin Nooruddin, MubarakAliDavoodbasha. 2025. Development of Probiotic Capsules from the Bacteria derived from tuber of *Borassus flabellifer* Linn.

***Papers received Best paper Award/ Cash Prize.**
**❖Papers presented by Dr. N. Thajuddin.**

## 27. Resource person in the refresher courses / Seminar/Symposia/Conferences

1. **Resource person** in UGC Sponsored Refresher Course for College and University Teachers on **Microbial Technology** -September, 12th to October 10th, 1990. Topic: Algal **Blooms.**
2. **Resource person** in UGC Sponsored Refresher Course for College and University Teachers on **Frontiers in Biosciences: Towards new millennium**, at Department of Animal Science, Bharathidasan University, Tiruchirappalli November 27, 1999. Topic: **Marine Cyanobacterial Biodiversity, Ecobiology, Molecular Taxonomy and Biotechnological applications.**
3. **Resource person** in the **Seminar on Recent Trends in Science**. Department of Zoology, Holy Cross College, Tiruchirappalli. January 13, 1999 - Topic: **Microbial biodiversity**.
4. **Resource person** in the **Seminar on Transgenic Technology**, P.G. Department of Microbiology, Ponnaiyah Ramajayam College, Thanjavur. July 27. 7. 2000. **Topic: Microbial Taxonomy and DNA Finger Printing**.
5. **Resource person** for the **Seminar in Microbiology** conducted at Dhanalakshmi Srinivasan College of Arts & Science for Women, Perambalur on 3.3.2001. Topic: **Cyanobacterial biodiversity and Molecular Taxonomy.**
6. **Chief Guest** in the Inaugural Function of Microbiologist Association, Kurinji College of Ars and Science, Tiruchirappalli-620 002 and delivered a special lecture on **Cyanobacterial Taxonomy and DNA fingerprinting,** August 17, 2001.
7. **Resource person** in the seminar on **Recent Advances in Botany and Microbiology** conducted at AVVM Sri Pushpam College, Poondi, Thanjavur District on 10. 1. 2003. Topic: **Nucleic Acids – Modern Techniques**.
8. **Resource person** delivered a special lecture on **16S rRNA – a tool for Cyanobacterial Biodiversity.** In **12th Funding Day Celebrations of Krishnamurthy Institute of Algology**, Pachayappa College, Chennai, 10. 11. 2003.
9. **Resource person** in the seminar on **'BioGalaxy'** conducted at Dhanalaksmi Srinivasan College of Arts & Science for Women, Perambalur on 20. 2. 2003. Topic: **Polymerase Chain Reaction (PCR) Technology.**
10. Delivered **Guest lecture** titled **"Cyanobacterial Biodiversity (rRNA approach) and Biotechnological Applications"** in the seminar jointly conducted by PG Department of Microbiology and ***Senspark - Science Club*** of **STET Women's College, Mannargudi** on 23.01.2004.
11. Delivered **Special lecture** titled **"Marine Biodiversity"** in the PG Department of Botany Association Meeting, **National College, Tiruchirappalli – 620 001** on 24.01.2004.

12. Delivered **Guest lecture** titled **"Marine Biodiversity - rRNA Approach"** in the '**In-House Training Program of Molecular Techniques'** conducted by the Department of Biotechnology, **J.J. College of Arts & Science, Pudukkottai** on 11.02.2004.

13. Delivered a **Special lecture** titled **"Biodiversity and Biotechnological Application of Cyanobacteria"** in the inaugural function of '***Even Bloom Cyeniae – 2004'*** association of PG Department of Microbiology **Thanthai Hans Roever College, Perambalur** on 19.02.2004.

14. Delivered a **Special lecture** titled **"Molecular Aspects of the Marine Cyanobacterial Biodiversity"** in the guest lecture program conducted by **Jenner Club** and PG Department of **Microbiology, J.J. College of Arts & Science, Pudukkottai** on 20.02.2004.

15. Delivered a **Special lecture** titled **"Cyanobacterial Biodiversity"** in the vacation training programme on **Bioresources for School Children** (Sponsored by DBT, Govt. of India) at National Facility for Marine Cyanobacteria, Bharathidasan University, Tiruchirappalli on 10.5. 2004.

16. Delivered a **Special lecture** titled "**Microbiology – A potential to be exploited"** in the inauguration function of **Science Association** at **Periyar Centenary Memorial Matriculation Higher Secondary School,** Tiruchirappalli on 30.06.2004.

17. Visited **Vivekananda College of Arts & Science for Women**, Tiruchengodu, Namakkal District, as a **Chief Guest** to inaugurate **TEAM-2K4, Microbiology Association** and delivered a **Special lecture** titled **"16SrRNA – A Tool for Microbial Biodiversity**" on 19.8.2004.

18. Delivered a **Special Lecture** titled "**Recent Trends in Microalgal Biodiversity – 16S rRNA approach*"*** at ***National Level Seminar on Emerging Trends in Microbiology*****,** Sri Ramakrishna College of Arts and Science for Women, Coimbatore on August 24 – 25, 2004.

19. Delivered a **Special Lecture** titled "***Marine Biodiversity and Microbial Biotechnology***" at **Seminar on Marine Microbes and Medicine**" at **Ponnaiyah Ramajayam College**, Thanjavur on September 30, 2004.

20. Delivered **Valedictory Address** and a **Special Lecture** titled "**Microalgal Biotechnology**" at **Microgalaxy 2004** – a State Level Intercollegiate Competition in Microbiology, Srimad Andavan Arts and Science College, Tiruchirappalli. October 1, 2004.

21. Delivered a **Guest lecture** titled "Microbial **Biodiversity – 16S rRNA approach**" conducted by **Jenner Club** and Department of Microbiology, Cauvery College for Women, Tiruchirappalli on February 11, 2005.

22. As a Chief Guest delivered a **Special Lecture** titled "**Marine cyanobacteria – Biodiversity, Molecular Taxonomy and Applications**" in the Intercollegiate seminar on Microbiology at present - organized by Microbiology Association, Kongu College of Arts & Science College, Karur on February 16, 2005.

23. As a Chief Guest delivered a **Special Lecture** titled "**Cyanobacterial Biotechnology**" in the PG Department of Zoology Association Meeting, Jamal Mohammed College, Tiruchirappalli – 620 020 on March 2, 2005.

24. Visited K.S. Rangasamy College of Technology, Tiruchengode as a **Judge** to select the best paper presentation during **Tech Fete – 2005** programme on March 5, 2005

25. Delivered a **Guest Lecture** titled "***Spirulina* production**" in the Entrepreneurship programme in Biotechnology, organized by P.R. Engineering College, Thanjavur on March 8, 2005.

26. Delivered **Valedictory Address** and a **Special Lecture** titled "**Microbial Biotechnology**" during One day State Level Seminar on ***Importance of Microbes: Present and Future Scenario*** organized by Karpagam Arts & Science College, Coimbatore on March 9, 2005.

27. As a chief Guest delivered a **Special Lecture** titled "**Cyanobacterial Biodiversity & Biotechnology**" in the Department of Microbiology Association Meeting, Kurinji College of Arts & Science, Tiruchirappalli on March 15, 2005.

28. As a Chief Guest delivered a **Special Lecture** titled "**Microbial Biodiversity – 16S rRNA approach**" in the PG Department of Botany and Microbiology Association, Jamal Mohammed College, Tiruchirappalli – 620 020 on March 18, 2005.

29. As a **Special invitee** delivered a talk on **'Marine Cyanobacteria'** in the **Interactive Workshop on Conservation and Sustainable Utilization of Marine Bioresources**. Organized by **National Biodiversity Authority**, (Govt. of India) and **CAS in Marine Biology**, Annamalai University on June 14, 2005 In: Proceedings 15 – 17 p.

30. As a Chief Guest Inaugurated and delivered a **Keynote address** in the **State Level Seminar on** "**Biotechnology – Prospect and Retrospect**" organized by the Department of Biotechnology, Dhanalakshmi Srinivasan College of Arts & Science (W) Perambalore. 5th October, 2005.

31. Delivered a **Guest lecture** titled "**Biodiversity and Biotechnological Applications of Cyanobacteria**" in the **Institute of Bioinformatics and Applied Biotechnology (IBAB),** Bangalore, on 7th October, 2005.

32. Delivered a **Guest lecture** titled "**Cyanobacterial DNA Finger Printing**" in the **Animal Science Club**, Bharathidasan University, 26th October, 2005.

33. As a Resource person delivered a **Guest lecture** titled, **DNA Finger Printing in Marine Cyanobacteria** in the Students Initiative Programme organized by the Department of Botany, A.V.C. College, Mayiladuthurai on 26. 12. 2005.

34. **Resource Person** in the UGC sponsored **Refresher course** on Recent Advances in Plant Sciences (15.11.05 – 5. 12. 05) and delivered 2 lectures on **Biodiversity and Biotechnological Potentials of Cyanobacteria** and **DNA Finger printing in cyanobacteria** organized by the Department of Plant Sciences, Bharathidasan University, Tiruchirappalli – 620 024 on19.11. 2005.

35. **Resource Person** in the AICTE (New Delhi) sponsored **Faculty Development Programme** on Current trends and Innovative Techniques in Biotechnology, (January 16 – 29, 2006) Organized by P.S.R. Engineering College, Sivakasi 626 140 and delivered a lecture on **Recent Trends in Cyanobacterial Biodiversity and Biotechnology** on 25th January, 2006.

36. **Resource Person** in the AICTE (New Delhi) sponsored **Staff Development Programme** on ***Molecules of Living Things***, (June 19 – July 03, 2006) Organized by Periyar Maniammai College of Technology for Women, Vallam, Thanjavur – 613 403 and delivered a lecture on **Cyanobacterial Biodiversity and Finger Printing** on 28th June, 2006.

37. As a Resource person delivered a **Guest lecture** titled '**Cyanobacterial Biotechnology'** in the Dept. of Biotechnology Bolivar Club, Cauvery College for Women, Tiruchirappalli on 25. 7. 2005.

38. As a Resource person & delivered a **Guest lecture** titled **"Biodiversity of Cyanobacteria and Molecular Techniques involved in Cyanobacterial Studies"** in the Department of Botany and Microbiology, Ayya Nadar Janaki Ammal College (Autonomous), Sivakasi on 28.7.2008.

39. Visited **Vivekananda College of Arts & Science for Women**, Tiruchengodu, Namakkal District, as a **Chief Guest** to inaugurate **SUPER CLONE – Biotechnology Association** and delivered a special lecture titled **"Cyanobacterial Biotechnology**" on 28.8.2006.

40. As a **Resource person** in the ***National Seminar on Emerging Trends in Biological Sciences"*** organized by Dept. of Microbiology & Biochemistry, Shrimathi Indra Gandhi College, Tiruchirappalli on 9th & 10th October, 2006 and delivered a guest lecture titled *"**Marine Cyanobacterial Biodiversity and rRNA Fingerprinting.***

41. As a **Resource person** in the Department of Microbiology Seminar, Sri Amman Ars & Science College, Erode on 10.09.2007 and delivered a Guest lecture titled "**Microbial Biotechnology".**

42. Delivered an **Invited lecture** on **"PCR based fingerprinting on symbiotic cyanobacteria"** in the ***National Seminar on current technology development in biosciences*** organized by Vivekananda College of Arts & Science, Tiruchengode on 16.9.2007.

43. Delivered a **Special lecture** titled **"DNA Finger Printing"** in the guest lecture program conducted by **Jenner Club** and PG Department of **Microbiology J.J. College of Arts & Science, Pudukkottai** on 29.1. 2008.

44. Delivered a **Guest lecture** titled **"Microalgal Biotechnology"** in the Department of Biochemistry, Holy Cross College, Tiruchirappalli 620 002 on 5th February, 2008.

45. Delivered a **Guest lecture** titled "**16S rRNA based molecular phylogeny of marine actinobacteria"** in the Training workshop on Isolation and identification of marine actinobacteria" organized by Centre of Advanced Study in Marine Biology, Annamalai University, Parangipettai – 608 502 on 6th March, 2008.

46. Delivered a **Guest lecture** titled "Microbial **DNA finger printing"** in the Bio-Mic Association meeting organized by Department of Microbiology and Biochemistry, M.I.E.T. Arts & Science College, Tiruchirappalli – 620 007 on 12th March, 2008.

47. As **Visiting faculty** to the Department of Botany, University of Pune, Pune 411 007, delivered a lecture titled **"Cyanobacterial Biodiversity and Potential Applications in Biotechnology"** in the *UGC-ASIST Seminar on Metabolic and Molecular aspects of Phytovariability* on March 25, 2008 and delivered special lectures on **1)**. ***Spirulina*** **Biotechnology, 2). Ecobiology of enigmatic *Trichodesmium* bloom, 3). Microbial DNA Finger printing** and demonstration on Secondary **structure prediction of 16S rRNA, Identification of Restriction Enzyme sites and making Phylogenetic trees** using bioinformatics tools on 24 – 26th March 2008.

48. Delivered a **Guest lecture** titled "**Biodiversity and Biotechnological Potentials of Marine Cyanobacteria**" in the Zoology Day Celebrations – 2008 - organized by Dept. of Zoology & Microbiology, Dr. Zakir Hussain College, Ilayangudi – 630 702 on April 3, 2008.

49. **Resource person** in **UGC Sponsored special Summer School in Biosciences** for College and University teachers - organized by the Department of Microbiology Bharathidasan University at Academic Staff College, Bharathidasan University, Tiruchirappalli on July 23, 2008. Topic: **Marine Cyanobacteria - Biodiversity, Ecobiology and Biotechnology.**

50. **Resource person** in **UGC Sponsored Special Summer School in Biosciences** for college and University teachers -organized by the Department of Microbiology, Bharathidasan University at Academic Staff College, Bharathidasan University, Tiruchirappalli on August 11, 2008. Topic: **Techniques for Molecular taxonomy.**

51. Delivered a **Guest lecture** titled "**Marine Cyanobacterial Diversity, conservation and sustainable Utilization**" in the National Conference on Biotechnological Intervention for Conservation &Sustainable Utilization of Bioresources" organized by the Department of Biotechnology, Sathyabama University, Chennai – 600 119 on 9th August, 2008.

52. Delivered a **Guest lecture** titled **"Cyanobacterial Biodiversity, Bioremediation and Biotechnology"** in the **National symposium on Exploiting microbes for Nanoscience and Technology"** organized by the Department of Biotechnology, K S R College of Arts & Science, Tiruchengodu on 19th September, 2008.

53. Delivered a **Guest lecture** titled "**Marine Cyanobacterial Diversity, and their biotechnological potentials'** and demonstration on **The isolation and development of microbial germplasm** to the participants of **TNSCST sponsored workshop on Recent trends in Zoology for Higher Secondary School Teachers** on September 25, 2008 organized by the Dept. of Zoology, National College, Tiruchirappalli.

54. Delivered a Prof. **Probir Chatterjee Memorial Lecture** titled **"Cyanobacterial diversity and DNA barcoding"** in the 5th Probir Chaterjee Memorial Lecture and Seminar on Cryptogamic Botany on 5th December, 2008 at University of Culcutta, Kolkata – 700 019.

55. Delivered an **Inaugural address** on '**Global Warming**' in the **Workshop on Climate change & greenhouse effect on Environment** organized by the Department of Botany, National College, Tiruchirappalli 620 001 on 20th February, 2009.

56. Delivered **Valedictory address** on ***Cyanobacterial Biotechnology*** in the **National Conference on Current trends in Biotechnology (*Zoro n2p'09*)** organized by the Department of Biotechnology, Kamaraj College of Engineering and Technology, Virudhunagar – 626 001 on 27th February, 2009.

57. Delivered **Valedictory lecture** on **"DNA Sequencing"** in the **Chemistry Association,** Department of Chemistry, Jamal Mohamed College, Tiruchirappalli 620 020 on 17th March, 2009.

58. Delivered two **Special lectures** in the UGC special Assistance Programme on **1. Biodiversity and Biotechnological Potentials of Marine Cyanobacteria** and **2. DNA finger printing and molecular taxonomy of cyanobacteria,** organized by the Centre of Advanced Study in Marine Biology, Annamalai University, Parangipettai 608 502, on 8th March 2009

59. Resource person in the ***National Seminar on Recent Trends in Biological Sciences"*** organized by Sri Gowri Biotech Research Academy, Thanjavur on 12thApril, 2009 and delivered a **Plenary lecture** titled ***"Biotechnological Potentials of Cyanobacteria"***

60. Resource person in the ***National Symposium on Antimicrobial resistance and Drug Discovery"*** organized by N G P Arts & Science College, Coimbatore on 10thSeptember, 2009 and delivered a **Lead lecture** titled ***"Antimicrobials from Microbes"***

61. Resource person in the ***National Conference on Advances in Transgenic Technology"*** organized by Vivekananda College of Arts & Sciences, Tiruchengodu – 637 205 on 25th September, 2009 and delivered a **Special lecture** titled ***"Microalgal Molecular Farming"*** and valedictory address.

62. Resource person in the ***State Level Seminar on Recent Trends in Biological Research*** organized by Consortium of Life Science Departments, Prof. Dhanabalan College for Women, Chennai – 603 103 on 24th January 2010 and delivered a **Special lecture** on "***Biodiversity and biotechnological potentials of Marine cyanobacteria***".

63. Delivered a **Special lecture** on "***Biotechnological potentials of Marine Microalgae***" to Microbiology Association, Periyar University, Salem on March 10, 2010.

64. Delivered **Valedictory address** & a lecture on **"*Marine Microalgal Biotechnology,*** Department of Microbiology, Jamal Mohamed College, Tiruchirappalli 620 020 on 17th March, 2010.

65. Delivered **Plenary lecture** titled "***Cyanobacteria – Biodiversity, Phylogeny and Applications"*** in the "**National Seminar on Microbial diversity and bioprospecting – Exploring the Unexplored"** organized by Dept. of Microbiology, Sri Venkateshwara University PG Centre, Kavali – 524 201, Andhra Pradesh on 26th March, 2010.

66. Delivered **Special lecture** titled "***Nutraceutical importance of Marine cyanobacteria and applications of molecular tools in the detection of microbial contaminants"*** in the **National Symposium on molecular innovations in food processing and food safety Management** & **"Awareness Programme on Career prospects and business opportunities in food processing"** jointly organized by National Institute of Food Technology Entrepreneurship and Management, Ministry of Food Processing Industries (Govt. of India), Indian Institute of Crop Processing Technology & The Oxford College of Science, Bangalore on 6th April, 2010.

67. Delivered **Plenary lecture** on ***"Microbial barcoding"*** in the **National Conference on Emerging themes in Infection Biology** organized by the Department of Microbiology, Dhanalakshmi Srinivasan College of Arts & Science for Women, Perambalur – 621 212 on 15th July, 2010.

68. Delivered **Special lecture** titled "***Microalgal Biotechnology***" in the **National Seminar on Plants and Human Health** organized by the Department of Biotechnology, Periyar Maniammai University, Vallam, Thanjavur Dt.613 403 on 23 July, 2010.

69. Delivered a **Keynote lecture** on "***Biodiversity, Taxonomy and Applications od Marine Cyanobacteria***" in the **National Symposium on Recent Trends in Algal Biotechnology** organized by Mar Athanasios College for Advanced Studies, Thiruvalla, Kerala – 689 010 on 5. 8. 2010.

70. Delivered a **Keynote address** on "***Biotechnological Applications of Marine Cyanobacteria***" in the **National Conference on Challenges and opportunities for next generation Microbiologists** organized by D.G. Vaishnav College, Chennai – 600106 on 28th September, 2010.

71. Delivered two **Invited lectures** on "***Taxonomy and classification of Cyanophyceae & Molecular approach to taxonomy with special reference to Cyanophyceae"*** in the Workshop on **Taxonomy of Marine Algae** organized jointly by Krishnamurthy Institute of Algology, Chennai and CSMCRI, Marine Algal Research Station Mandapam Camp on 19 & 20 November, 2010.

72. **Resource Person** in the UGC sponsored **Refresher course on Bioinformatics** and delivered a lecture on "***Applications of Bioinformatic tool in Barcoding of Cyanobacteria***" organized by the Department of Bioinformatics, Bharathidasan University, Tiruchirappalli – 620 024 on December 4, 2010.

73. Delivered a **Special lecture** titled ***"Biodiversity, Biomass production and Biotechnological Utilization of Marine Cyanobacteria"*** in the International Seminar and Workshop on '**Sustainable Utilization of Tropical Plant Biomass**' organized by Kerala University, Kariavattom, Thiruvananthapuram on 14-15 December 2010.

74. Delivered a **Special lecture** titled ***"Biotechnological Utilization of Cyanobacteria"*** in the **Science Mela 2011** organized by Ananda College, Devakottai – 630 303 on 8th January, 2011.

75. Delivered a **Guest lecture** on "***Applications of molecular tools in assessing Cyanobacterial diversity"*** in the **"International Conference on Implications of Biotechnology on Biodiversity and its Conservation"** organized by the Department of Plant Biology and Plant Biotechnology, Ethiraj College for Women, Chennai - 600 008 in collaboration with M.S. Swaminathan Research Foundation, Chennai – 600 113 on 27 January, 2011.

76. Delivered a **Special lecture** on "***Microalgal Biotechnology***" and **Valedictory Address** in the **National Symposium on "Commercial Aspects of Biosciences**" organized by the Department of Biotechnology and Microbiology, Srinivasan College of Arts and Science, Perambalur – 621 212. on 28 January, 2011.

77. Delivered **Inaugural Address** and a special lecture on "***Applications of Molecular tools in the detection of Harmful Algal Blooms*** in the **National Seminar on Molecular diagnosis of Infectious diseases**" organized by the Department of Microbiology, Vivekananda College of Arts and Sciences for Women, Elayampalayam – 637 205, Tiruchengodu on 23 February, 2011.

78. Delivered a **Special lecture** on ***"Algal Biotechnology and their applications"*** in the **Faculty Development Program on "Challenges before emerging environmental biotechnology"** organized by the School of Biosciences and Technology, VIT University, Vellore on March 2, 2011.

79. Delivered a **Special lecture** on "***Microalgal Biotechnology***" in the DBT sponsored **"Short Term Training Course on Basic Techniques in Plant Molecular Biology"** for College Teachers, organized by the Department of Botany, Jamal Mohamed College, Tiruchirappalli on 19th April, 2011.

80. Delivered a **Plenary lecture** on "Microalgal ***and Cyanobacterial biotechnology***" in the **International Conference on "Impact of Physical Sciences on Biology (ICIPB 2011)"** organized by Queen Mary's College, Chennai 600 004 during July 7 – 9, 2011.

81. Delivered a **Plenary lecture** on "Marine ***Microalgae and Cyanobacteria – Biodiversity, Conservation and Utilization***" in the **Exploring the secrets of biofuel: An International Submit (ETSOB-'11)** organized by Presidency College, Chennai 600 005 during July 14, 2011.

82. Delivered **Felicitation address** during inaugural function and **Special lecture** on "***Cyanobacteria – from Taxonomy to Biotechnology***" in the "**Inservice Training programme for Secondary Grade Science Teachers"** organized by the Department of Microbiology, Bharathidasan University College for Women, Orathanadu – 614 625 on 21.11.2011.

83. Delivered a **Special lecture** on "**Microalgal diversity and their Immunostimulatory potentials in Aquaculture" in** the DBT Sponsored **'Workshop on Marine Fish Immunology and Immunotechnolgy'** organized by Centre for Advanced Studies in Marine Biology, Annamalai University, Parangipettai on 3.12.2011

84. Delivered a **Special lecture** on '***Microalgal Biotechnology***" in the **International Conference on Advanced Materials (ICAM 2011)**, organized by PSG College of Technology, Coimbatore, on 13.12.2011.

85. Delivered a **Plenary lecture** on "***Microalgal Biofuels"*** in the **National Seminar on Recent Advances in Life Sciences** organized by the Department of Zoology, H H The Raja's College, Pudukkottai – 622 001 on December 28, 2011.

86. Delivered a **Special lecture** on "***Current Trends and Future Perspectives of Microalgal Research***" in the **National Seminar on** "**Current Status and Future Perspectives of Research in Biological Sciences**" organized by Research and Development of Cell, AVC College, Mannampandal, Mayiladuthurai – 609 305 on January 9, 2012.

87. Delivered **Inaugural & Special lecture** on "***Microalgal Biotechnology***" and Valedictory address in the "**One day Seminar on Development of Women Entrepreneurship"** organized by the Department of Microbiology, Bharathidasan University College for Women, Orathanadu – 614 625 on 14th February, 2012.

88. Delivered a **Plenary lecture** on "***Challenges in molecular characterization of Microorganisms"*** and **Valedictory address** in the **National Seminar on Molecular aspects of Microbiology"** organized by the Department of Microbiology, Periyar University, Salem 632 011 on March 7, 2012.

89. Delivered an **Invited lecture** on ***"Microalgae : Biodiversity to Biotechnology"*** and Valedictory address in the **State level seminar on "Emerging Advancements in Biosciences"** organized by the Department of Microbiology & Biotechnology, Jamal Mohamed College, Tiruchirappalli – 620 020 on 17th March 2012.

90. Delivered an **Invited lecture** on ***"Research in Marine Microbiology & Funding sources"*** in the TNSCST sponsored **Orientation Programme on "Research Activities in Science for College Teachers"** Organized by the Centre for Marine Science and Technology, Manonmaniam Sundaranar University, Thirunelveli on 19th March 2012.

91. Delivered a **Plenary Lecture** on "***Biodiversity and molecular taxonomy of cyanobacteria***" in the National Seminar on "**Role of Microbes in Health, Agriculture and Industry**" organized by the Department of Biotechnology, Alagappa University, Karaikudi – 630 003 on March 27, 2012.

92. Delivered a **Plenary Lecture** on "***Immunomodulatory potentials of Microalgae in Aquaculture***" in the National Conference on "**Marine fish and shell fish immunology and Immunotechnology**" organized by the Centre for Advanced Studied in Marine Biology, Annamalai University, Parangipettai – 608 502 on March 31, 2012.

93. Delivered **Special lecture** on "***Microalgae - a future for future generation***" in the DST sponsored **INSPIRE** Program organized by the Department of Biotechnology, Manonmaniam Sundaranar University, Alvarkurichy, Thirunelveli on May 20, 2012.

94. Delivered **Invited lecture** on "***Ez;ghrpfspy; capu;njhopy;El;gk***" in the **12th Tamil Science Conference** (Tamilnadu Science Organization) organized by the Periyar University, Salem 636 011 on August24, 2012.

95. Delivered a **Special lecture** on "**Biotechnological potentials of Microalgae and Cyanobacteria**" in the National level seminar on "**An eminent role of Microbes in our day today life**" organized by the Department of Microbiology and Biotechnology, AVS College of Arts and Science, Salem– 636 106 on 13 September 2012.

96. Delivered **Invited lectures** on "**Microalgal Biotechnology**" and "**Taxonomy and DNA Barcoding**" in the Refresher Course on Life Science organized by the UGC - Academic Staff College, Pondicherry University, Puducherry – 605 014 on 31 December 2012.

97. Delivered a **Lead lecture** on "**Microalgal Biotechnology**" in the National level Conference on "**Emerging Novel Avenues and Opportunities in Modern Biological Sciences**" organized by the the Department of Microbiology, M R Government Arts College, Mannargudi– 614 001, Thiruvarur District on March 1, 2013.

98. Delivered a **Plenary lecture** on "**Cyanobacterial Biodiversity and Molecular Taxonomic Research at Bharathidasan University, Tiruchirappalli, Tamilnadu**" in the "**National Symposium on Fundamental and Applied Phycology**" organized by the Department of Botany, Punjabi University, Patiala – 147 002 during March 25 – 26, 2013.

99. Delivered **Special lecture** on "**Microalgae - Biodiversity to Biotechnology**" in the Science Academies sponsored Refresher's Course on "Modern Biotechnology: concepts and practice" organized by the School of Biotechnology, Madurai Kamaraj University, Madurai on May 18, 2013.

100. Delivered **Guest lectures** on "**Microalgae - Biodiversity to Biotechnology**" and "**Microalgal Taxonomy and DNA Barcoding**" in the Refresher Course on Life Science organized by the UGC - Academic Staff College, Bharathidasan University, Tiruchirappalli - 620 020 on 3 July 2013.

101. Delivered **Inaugural Address** and **Special lecture** on "**Microalgae - a future for future generation**" in the DST sponsored INSPIRE Program organized by Cauvery College, Tiruchirappalli - 620 018 on 31 July.2013.

102. Delivered a **Special lecture** on "**Microalgal Biotechnology**" in the department of Botany & Microbiology, AVVM Sri Pushpam College, Poondi, Thanjavur District on August 29, 2013.

103. Delivered a **Special lecture** on "**Cyanobacteria - Biodiversity to Biotechnology**" in the National Seminar on "**Recent Trends in Applied Algal Research**" and "23rd Founding day Celebrations of Krishnamurthy Institute of Algology" organized by Krishnamurthy Institute of Algology, Chennai - 600 040 and Centre of Advanced Study in Botany, Guindy Campus, University of Madras, Chennai - 600 025 on September 21, 2013.

104. Delivered a **Plenary lecture** on "**Microalgal Biotechnology**" in the **National Seminar on "Exploring Recent Horizons in Biotechnology**" organized by Dr. Umayal Ramanathan College for Women, Karaikudi - 630 003 on 25.9.2013.

105. Delivered a **Special lecture** on "**Microalgal Biotechnology**" in the Department of Botany, Periyar University, Salem 636 011 on October 28, 2013.

106. Delivered a **Special lecture** on "**Microalgal Ecobiology - Biotechnology**" in the "Science Academies' Refresher Course on Evolutionary Ecology of Plant and Animals" organized by PSGR Krishnammal College for Women, Coimbatore - 641 004 on 21 November 2013.

107. Delivered **Special lecture** on "**Microalgal Biotechnology**" in the DST sponsored INSPIRE Program organized by Selvam Arts and Science College, Namakkal - 637 003 on 29 November 2013.

108. Delivered **Special lecture** on "**Symbiotic genomics of cycads and metagenomics of *Azolla***" in the DBT sponsored "**Short term training course on Plant Genetic Engineering"** organized by the Department of Biotechnology and Genetic Engineering, Bharathidasan University, Tiruchirappalli - 620 024 on 30 November 2013.

109. Delivered **Special lecture** on "**Microalgae: From Biodiversity to Biotechnology**" in the Science Academies' Lecture Workshop on **Recent Trends in Biology and Biotechnology** - organized by the Department of Biotechnology, Jamal Mohamed College, Tiruchirappalli - 620 020 on January 31, 2014

110. Delivered **Special lecture** on **"Biodiversity and Biotechnological applications of Microalgae"** in the **National Conference on "Recent Advances in Algology, Mycology and Plant Pathology**

**(NCRAAMPP - 2014)"** organized by the Centre for Advanced Studies in Botany, Guindy campus, Chennai - 600 024 during February 19, 2014.

111. Delivered **Felicitation address** in the Inaugural function and **Special lecture** on "**Microalgae - From Biodiversity to Biotechnology**" in the DST sponsored INSPIRE-**2014** Program organized by the Department of Botany and Microbiology, AVVM Sri Pushpam College, Poondi - 613503, Thanjavur on 27th February 2014 and felicitation address in the Valedictory function on 3rd March 2014.

112. Delivered an **Invited lecture** on **"Biodiversity Molecular Phylogeny and Barcoding of Marine Fungi"** in the ***National Conference on "Fungal diversity and Biotechnology for Food and Chemicals*** and ***40th annual Meeting of the Mycological Society of India"*** organized by the Centre of Advanced Studies in Marine Biology, Annamalai University, Parangipettai - 608 502 during February 28, 2014.

113. Delivered a **Special lecture** on "**Microalgal Biotechnology**" in the TNSCST sponsored Scientific Awareness Programme organized by the Department of Botany, Govt. Arts College, Karur 639 005 on 11.7.2014.

114. As a resource person delivered a **Special lecture** on "**Microalgal Biotechnology**" in the DST sponsored INSPIRE-**2014** Program organized by the Department of Nanoscience and Technology, KSR College of Technology, Tiruchengodu- 637 211 on 9 & 10th July 2014, 28th July 2014, 10th August 2014 and 20th August 2014.

115. Delivered a **Special lecture** on "**Microalgal Biotechnology**" in the Botany Association, Department of Botany, St. Joseph's College, Tiruchirappalli – 620 002 on 28th August 2014.

116. Delivered **Plenary Lecture** on "**Metagenomic approach to the molecular phylogeny of symbiotic cyanobacteria"** in the ***National Conference on Progress in Algology in the Indian Context***" organized by the Department of Microbiology, Bharathidasan University jointly with the Krishnamurthy Institute of Algology, Chennai at Bharathidasan University, Tiruchirappalli – 620 024 on September 21, 2014.

117. Delivered a **Special lecture** on "**Microalgal Biotechnology**" in the Science Academics Lecture Workshop on "**Modern trends in Biological Sciences**" organized by the Post graduate & Research Department of Biotechnology, Nehru Memorial College, (Autonomous), Puthanampatti – 621 007 on 10th October 2014.

118. Delivered a **Special lecture** on "**Role of Mushrooms in Human Resource Development (kdpj ts Nkk;ghl;by; fhshd;fspd; gq;F)** in the Training program on **"Alternative livelihood for SC populations in Cuddalore District through sustainable utilization of marine resources for Mushroom Cultivation"** organized by the CAS in Marine Biology, Annamalai University, Parangipettai - 608 502 on January 2, 2015.

119. Delivered a **Plenary lecture** on "**Conservation and biological potential of Hallucinogenic mushrooms**" in the **National Symposium on Mycological Research – Emerging Trends, Applications and Prospects & 41st Annual Meeting of Mycological Society of India**" organized by the Department of Botany, Punjabi University, Patiala 147 002 during February 24, 2015.

120. Delivered a **Keynote address** in the inaugural function on "**Microalgae – From Biodiversity to Biotechnology**" in the **National Conference on "Innovations and New Horizons in Algal Technology and Biotechnology**" organized by the Department of Biotechnology, Kamaraj College of Engineering & Technology, Viruthunagar- 626 001 during February 26, 2015.

121. Delivered a **Special lecture** on "**Microalgae and Cyanobacteria – Biodiversity to Biotechnology**" in the Department of Botany and Microbiology, College of Science, King Saud University, Riyadh- 11451, **Kingdom of Saudi Arabia** on 7th March 2015.

122. Delivered a **Special lecture** on "**Biotechnological applications of Microalgae**" in the Division of Bioengineering, Incheon National University, Incheon – 406-772, **Republic of Korea** on 29th June, 2015.

123. Delivered a **Special lecture** on "**Biodiversity, Molecular Taxonomy and Biotechnological applications of Microalgae**" in the Department of Marine Science, Incheon National University, Incheon – 406-772, **Republic of Korea** on 30th June,2015

124. Delivered a **Special lecture** on "**Biodiversity and Biotechnological applications of Microalgae**" in the Korea Institute of Energy Research (KIER), Daejeon – 305-343, **Republic of Korea** on 1st July, 2015.

125. Delivered a **Special lecture** on "**Current Scenario of microalgal biodiesel production and applications: *Challenges and Opportunities***" in the Centre for Surface Technology and Application (CeSTA), Korea Aerospace University, Gyeonggi-do – 412-791, **Republic of Korea** on 2nd July,2015.

126. Delivered **Guest lecture** on "**Microalgal Biotechnology**- ***Challenges and Opportunities"***" in the Department of Plant Biology and Plant Biotechnology, Ayya Nadar Janaki Ammal College, Sivakasi – 626 124 on 20th July 2015.

127. Delivered **Inaugural Address** and **Guest lecture** on "**Cyanobacteria – Biomass production and applications**" in the TNSCST sponsored programme on ***Application of Science and Technology for Rural Areas (ASTRA)*** organized by the Department of Microbiology & Biotechnology, Bharathidasan University Constituent College, Kurumbalur – 621 107, Perambalur on 27th July 2015.

128. Delivered **Inaugural Address** and **Guest lecture** on "**Cyanobacteria – Biomass production and applications**" in the TNSCST sponsored programme on ***Application of Science and Technology for Rural Areas (ASTRA)*** organized by the PG & Research Department of Botany, Government Arts College, Ariyalur – 621 713 on 4th August 2015.

129. Delivered a **Special lecture** on "**Microalgal Biotechnology**" in the DST sponsored INSPIRE-**2014** Program organized by the PG & Research Department of Biotechnology & Botany, Nehru Memorial College, Puthanampatti, Tiruchirappalli - 621 007 on 4th August 2015.

130. Delivered a **Lead lecture** on "**PCR based DNA/rRNA Fingerprinting and phylogeny of cyanobacteria**" in the ***National Symposium on "Algae for Human Welfare" (AFHW 2015)*** organized by Department of Botany and Microbiology, Pithapur Rajah's Govt. College, Kakinada 533 001 Andhra Pradesh during August 19, 2015.

131. As a resource person delivered a **Lead lecture** on "**Biodiversity and Biotechnological applications of Cyanobacteria**" in the DBT (Govt. of India) sponsored ***Popular Lecture Series in Biotechnology*** organized by UKA Tarsadia University and C.G. Bhakta Institute of Biotechnology, Surat – 394 350, Gujarat on 19th September, 2015.

132. Delivered a **Lead lecture** on "**Microalgae – A Potential to be exploited in Pharmaceutical Industries**" in the DBT (Govt. of India sponsored "***International Conference on Reasserting Microbial Biotechnology to Deflate Global Disease Burden***" organized by the Department of Biotechnology, Manonmaniam Sundaranar University, Tirunelveli – 627 012 on 29th September 2015.

133. Delivered a **Special lecture** on "**Microalgal Biotechnology**" in the DST sponsored INSPIRE-**2015** Program organized by the PG & Research Department of Biotechnology & Botany, Nehru Memorial College, Puthanampatti, Tiruchirappalli - 621 007 on 6th November 2015.

134. Delivered an **Invited lecture** on ***"Microalgal Biotechnology: Challenges and opportunities"*** in the **National Conference on "Plant Science Research: Looking beyond 21st Century for Environmental and Agricultural Revolution"** organized by the Society for Plant Research (VEGETOS) and Department of Botany, Delhi University, Delhi – 110 007 on 7th February 2016.

135. Delivered an **Invited lecture** on ***"Microalgal Biodiesel Production Technology"*** in the Ministry of Human Resource Development sponsored **"National Training Programme on Biodiesel from Marine Algae"** organized by the CAS in Marine Biology Annamalai University, Parangipettai – 608 502 on 18th February 2016.

136. As a Chief Guest delivered **Inaugural address** and a **Special lecture** on "***Microalgal Biotechnology*"** in the TEQIP II sponsored **National level Symposium "BIORITZ '16** organized by the Department of Biotechnology, Anna University – BIT Campus, Tiruchirappalli- 620 024 on 22nd February 2016.

137. Delivered an **Invited lecture** on "**Microalgal Biotechnology: Challenges and Opportunities"** in the National **Seminar on *"Recent Trends in Botany* (RTB-2016)*"*** organized by the P.G. & Research Department of Botany, Jamal Mohamed College, Tiruchirappalli – 620 020 on 24th February, 2016.

138. Delivered an **Invited lecture** on "**Microalgal Biotechnology** in the UGC **– Human Resource Development (HRDC), Bharathidasan University,** Tiruchirappalli – 620 020 sponsored **Refresher Course** in **Life Sciences** on 18.3.2016.

139. Delivered an **Invited lecture** on "**Algal Biotechnology – Baptism and beyond at the cross road of Centuries"** in the International **Conference *on "Recent Advances in Biosciences"*** organized by the Biosciences Department, Alagappa University, Karaikudi- 630 003. India on 7thApril, 2016.

140. Delivered an **Invited lecture** on "***Microalgal Biotechnology*"** in the SASNET (Swedish South Asian Studies Network) Seminar organized in collaboration with Department of Technology and Society, Faculty of Engineering on 23 May 2016, at Lund University, 221 00 Lund, **Sweden**.

141. Delivered a **Special lecture** on "***Microalgal Biotechnology*"** on 24th May 2016 at the Food and Biotechnology Company, Aventure ab, Ideon, Scheelevägen 22, Lund, **Sweden**.

142. Delivered an **Invited lecture** on "***Microalgal Research and Facilities at Bharathidasan University*"** in the seminar on 26th May 2016 at the Department of Chemistry and Bioengineering, Tampere University of Technology, FI 33101 Tampere, **Finland.**

143. Delivered an **Invited lecture** on "***Microalgal Biotechnology*"** on 27th May 2016 at the Process Chemistry and Environmental Engineering, VTT, Technical Research Centre of Finland, FI-02044 VTT, **Finland**.Tr

144. Delivered an **Invited lecture** on "***Microalgal Biotechnology*"** in the '**Seminar on Algal Biomass Production – Challenges'** during 30th May 2016 at the ENEA Research Centre, Casaccia, 301-00123 Roma, **Italy.**

145. Delivered **Keynote lecture** on "**Microalgal Biotechnology – Boon for Health & Environment"** in the '**Science Academies' Education Programme** on **Advances in Microalgal Research and its Relevance to Climate Change** organized by the Centre for Climate Change Studies, Satyabhama University, Chennai – 600 119 on 21. 7. 2016.

146. Delivered **Plenary lecture** on "**Progress in Microalgal Research at Bharathidasan University"** in the "**International Conference on Advances in Algal Biotechnology** "organized by the School of Biosciences and Technology, VIT University, Vellore – 632 014 and Seaweed Research and Utilization Association, Parangipettai – 608 502 on 11. 8. 2016.

147. Delivered an **Invited lecture** on "**Microalgae – organisms for imminent biotechnology**" in the ***International Conference on Microalgal and Cyanobacterial Biotechnology*** organized by the National Facility for Marine Cyanobacteria, Department of Marine Biotechnology, Bharathidasan University, Tiruchirappalli – 620 024 on 31.8.2016.

148. Delivered an **Invited lecture** on **"Gaps in Algal Biotechnology Research in India"** in the One Day Workshop on "***Ecogenomics of Algal Bioresources and Biotechnological Interventions****"* jointly organized by Gujarat State Biotechnology Mission (GSBTM) and Gujarat Ecological Education and Research (GEER) at Indroda National Park, Gandhi Nagar – 392 007, Gujarat on 19.9.2016

149. As a Chief Guest delivered **Inaugural Address** during the inauguration of ***Research Programmes*** of Ph.D. in English and Commerce and M. Phil in Mathematics and Computer Science in **Annai Vailankanni Arts and Science College**, Thanjavur – 613 007 on 31st October 2016.

150. Delivered **Plenary lecture** on "***Microalgal Biotechnology – Challenges and Opportunities*"** in the **National Conference on Basic and Applied Researches in Plants and Microbes** organized by the Department of Botany, Punjabi University, Patiala – 147 002, Punjab on November 3, 2016.

151. As a resource person delivered a lecture on "***Microalgal Biotechnology – Challenges and Opportunities***" in the **Science Academies Refresher course on Experimental biology: Orthodox and Modern** organized by the Department of Botany, St Joseph's College, Tiruchirappalli – 620 002 during 16th November 2016

152. As a resource person delivered a Lead lecture on ***Microalgal Diversity, Biomass Production and application*** in the ***International Conference on "Sustainable Utilization of Tropical Plant Biomass: Bioproducts, Biocatalysts and Biorefinery (SutB$^4$)"*** organized by Tamil Nadu Agricultural University, Coimbatore on November 17, 2016.

153. Delivered Valedictory Address in the DST sponsored INSPIRE program organized by the Nehru Memorial College, (Autonomous), Puthanampatti – 621 007 on 18, November 2016

154. Delivered an invited lecture on "***Overview on Microalgal Biotechnology***" in the **National Conference on Algal Biology and Biotechnology** organized by the Department of Biotechnology University of Madras, Chennai – 600 025 jointly with Krishnamurthy Institute of Algology, Chennai – 600 040 during November 25, 2016.

155. Delivered an invited lecture on "***Microalgal Biomass Production and Applications***" in the **International Conference on Current Trends in Biotechnology (ICCB'2016),** VIT University, Vellore 632 014 on December 9, 2016.

156. Delivered a Plenary lecture on "***Insomniac Microalgae: tiny cells with super powers"*** in the **International Conference on Recent Trends in Microbiology** (RTM-2016) organized by the Department of Microbiology, Alagappa University, Karaikudi – 630 003 during 8th December 2016.

157. Delivered a Plenary lecture on ***"Microalgae: Foremost Organisms for Food, Energy and Environmental Health"*** in the **International Conference on Food, Energy and Water Microbiology**, organized by the Department of Microbiology, Periyar University, Salem 636 011 on 22nd December, 2016.

158. Delivered **Valedictory Address** in the "**National Workshop on Standards for Food and Water Quality examination with emphasis on Microbiological Techniques of detection, identification and enumeration of human pathogens**" organized by the Department of Microbiology, M.R. Government Arts College, Mannargudi – 614 001 in collaboration with the Department of Microbiology, Bharathidasan University, Tiruchirappalli – 620 024 on 29th December, 2016.

159. Delivered **Presidential Address** in the Valedictory function of **GIAN** (Global Initiative of Academic Networks) workshop on ***Materials under extreme conditions – Enabling Technologies and Applications*** (sponsored by MHRD) on December 30, 2016 organized by the Centre for High Pressure Research, Department of Physics, Bharathidasan University, Tiruchirappalli – 620 024.

160. Deliverd **Professor T.V. Desikachary Endowment Lecture** on "***Microalgae: Foremost organisms for Food, Fuels, Fertilizer and Fine chemicals***" in the **National Conference on "Biodiversity, Biology and Biotechnology of Algae (NCBBBA-2017)"** organized by Centre for Advanced Studies in Botany, University of Madras, Chennai – 600 025 on January 10, 2017.

161. Delivered **Presidential Address** in the Inaugural function of **Materials Research Society of India – Trichy chapter** on January 28, 2017 organized by the Centre for High Pressure Research, Department of Physics, Bharathidasan University, Tiruchirappalli – 620 024.

162. Delivered a **Lead lecture** on ***"Microalgae: Taxonomy to Technology"*** in the Workshop titled "33rd-Winter School on **Differential Gene Expression in Plants & Bacteria**" during February 1-14, 2017. organized by the Networking Resource Centre in Biological Sciences (NRCBS), Madurai Kamaraj University, Madurai - 625 021 on 11th February, 2017.

163. Delivered a **Keynote Lecture** on ***"Microalgal Bioresources: Taxonomy to Technology"*** in the **National Conference on Bioresources: Conservation, Utilization and Future Prospects**, organized by the Department of Biology, The Gandhigram Rural Institute – Deemed University, Gandhigram – 624 302 on 17th February, 2017.

164. Delivered a **Keynote Address** on ***"kdpj ts Nkk;ghl;by; fhshd;fspd; gq;F"*** (*Role of Mushrooms in Human Resource Development"-* in Tamil***)*** in the **Training Program on Edible Mushroom Cultivation Technology for Unemployed Women SC/ST Population of Salem District**, organized by the Department of Botany, Periyar University, Salem on 1st March, 2017.

165. Delivered a **Lead lecture** on ***"Microalgae –a sustainable resource for biofuel, bioremediation and Health"*** in the National Symposium on **Trends in Agriculture and Biosystems Engineering** on 28th March, 2017. organized by the Department of Bioenergy, Agricultural Engineering College & Research Institute, Tamil Nadu Agricultural University, Coimbatore – 641 003.

166. As a Chief Guest delivered a keynote address on "**Microalgae – Taxonomy to Technology**" during the inauguration of ***Young Students Scientists Programme*** (YSSP – 2017) Sponsored by **Tamil Nadu State Council for Science & Technology** (TNSCST) at Thanthai Hans Rover College, Perambalur – 621212 on 10th May 2017.

167. As a Chief Guest delivered Inaugural address during the inauguration of ***Science Academies Lecture workshop on*** "**Emerging Frontiers in Plant Sciences**", organized by the PG Research Department of Botany, Periyar EVR College, Tiruchirappalli – 620 023 on 23rd August 2017.

168. Delivered an invited lecture on **"Microalgae: a sustainable resource for biofuel, bioremediation and health"** at the Centre for Microbial Biotechnology, Panjab University, Chandigarh - 160014 on September 16, 2017.

169. Delivered an invited lecture on ***"Microalgae: Diversity, Conservation and Utilization"*** during XXXX All India Botanical Conference of the Indian Botanical Society and National Symposium on "**Evaluation and Conservation of Plant Germplasm**" held at Punjabi University, Patiala – 147 002 on September 17, 2017.

170. Delivered an invited lecture on **Microalgae – a potential resource for energy, environment & health** in the ***National Conference on "Algal Diversity and Resource Status: Current Trends in Utilization and Prospects for Innovation"*** organized by PG & Research Department of Botany & Marine Ecology and Conservation Lab, PG & Research Department of Zoology, V.O. Chidambaram College, Tuticorin – 628 008 jointly with Seaweed Research & Utilization Association & Krishnamurthy Institute of Algology on September 22, 2017.

171. Delivered an invited lecture on **"Microalgal Biotechnology"** in the Second National Seminar on ***Recent Advancement in the field of Bioenergy & Bioproducts*** (RABB-17) organized by the Department of Biotechnology, Bannari Amman Institute of Technology, Sathyamangalam – 638 401 on September 26, 2017.

172. As a Chief Guest delivered a keynote address during the inaugural function of UGC Sponsored **National Conference on Trends in Microbiology** (NCTM 2017) organized by the Department of Microbiology, Alagappa University, Karaikudi – 630 003 on 27th September 2017.

173. Delivered an invited lecture on **"Microalgae – a sustainable resource for our present and future needs"** in the ***National Conference on "Recent Advances in Modern Biology and Rural Development"*** **(RAMBARD-2017)"** organized by the PG & Research Department of Botany & Microbiology, AVVM Sri Pushpam College, Poondi – 613 503, Thanjavur Dt. in collaboration with the Department of Microbiology, Bharathidasan University, Tiruchirappalli – 620 024 on October 6, 2017.

174. As a Chief Guest delivered a Inaugural Address during the inaugural function of INSA, ISA, & NAS Sponsored Two Day **"Science Academies Lecture Workshop on Recent Advnces in Biology"** organized by the Department of Microbiology, M.R. Government Arts College, Mannargudi – 614 001, Tiruvarur Dt. on 12th October 2017.

175. As a resource person delivered a lecture on "***Microalgae – A Sustainable Resource for Energy, Environment & Health***" in the **Refresher Course in Biosciences** organized by the UGC – Human Resource Development Centre, Bharathidasan University on 27.10.2017.

176. As a Chief Guest delivered a lecture on **"Role of Microbes in Human Welfare – Energy, Environment & Health"** to the School Students at **Chettinad Vidya Mandir School,** Puliyur 639 114, Karur District on October 28, 2017.

177. Delivered a Plenary lecture on ***"Microalgae and Cyanobacteria: A Prolific resource for Biomedical Research"*** in the **International Conference on Innovations and Challenges in Biomedical Science Research**, organized by the PG and Research Department of Biotechnology and Bioinformatics, Holy Cross College, Tiruchirappalli – 620 002 on 14.12.2017.

178. As a resource person delivered a lecture on ***Microalgal and Cyanobacterial Biotechnology*** in the "**Science Academies Refresher Course on Bioprospection of Bioresources: Land to Lab Approaches"** organized by the PG & Research Department of Botany, St Joseph's College, Tiruchirappalli – 620 002 on16.1.2018.

179. Delivered a Felicitation Address during the inaugural function of **"Science Academies Lecture Workshop on Conservation and Protection of Bioresources"** organized by the Department of Botany, Bharathidasan University, Tiruchirappalli – 620 004, on 24th January 2018.

180. As a guest speaker delivered a lecture on "***Diversity, Cultivation and Utilization of Marine Cyanobacteria and Microalgae***" in the **National Conference on "Bioactive marine natural products and their therapeutic applications"** organized by Sathyabama Institute of Science & Technology (Deemed University). Chennai- 600 119 on 25th January, 2018.

181. As an Invited speaker delivered a lecture on "***Biodiversity, conservation and sustainable Utilization of Microalgae and Cyanobacteria***" in the **National Symposium on "Advances in Biology of Algae and Cyanobacteria"** organized by Centre of Advanced Studies in Botany, Banaras Hindu University, Varanasi – 221 005 on 9th February, 2018

182. As an Invited speaker delivered a lecture on "***Role of Cyanobacteria & Microalgae in Human Welfare"*** in the One-day **National Seminar on Advances in Animal Science for Sustainable Development** organized by the Department of Zoology, Jamal Mohamed College, Tiruchirappalli – 620 020 on 15th February, 2018.

183. As a Chief Guest delivered a lecture on "***Microalgae for Human Health***" in the **Aristotle Club Association** Valedictory meeting, PG and Research Department of Zoology, Holy Cross College, Tiruchirappalli – 620 002 on 23rd February, 2018.

184. As a resource person delivered lecture on "***Recent advances in Scientific Research & Filing Patents***" in the UGC **– Human Resource Development (HRDC),** Bharathidasan University, Tiruchirappalli – 620 020 sponsored **Short-Term Course in Research Methodology for University and College Teachers** on 24th February 2018.

185. As a resource person delivered special lecture on "***Opportunities in Scientific Research***" for the **Faculty Development programme** organized by **The Internal Quality Assurance Cell**, Jamal Mohammed College, Tiruchirappalli – 620 020 on 9th March 2018.

186. As a resource person delivered lecture on "***Research Opportunities in Sciences***" in the UGC **sponsored Summer School in Computer Science and Applications** organized by the UGC – Human Resource Development (HRDC**),** Bharathidasan University, Tiruchirappalli – 620 020 on 19th March 2018.

187. As a resource person delivered lecture titled "***Research Data for Scientific Research: Access & Ethics"*** in the DST-PURSE sponsored Two days **National Workshop on Big Data, Research Data and Libraries** organized by the Department of Library and Information Science, Bharathidasan University, Tiruchirappalli – 620 024 on 24th March 2018.

188. As an Invited speaker delivered a lecture on "***Diversity and Utilization of Microalgae & Cyanobacteria"*** in the **National Seminar on Current Scenario on Research and Developments**

**in Plant Science** organized by Centre for Advanced Studies in Botany, University of Madras, Chennai – 600 025 on 29th March, 2018.

189. As a resource person delivered a lecture on "***Multifaceted potentials of Microalgae and Cyanobacteria***" in the **Refresher Course in Life Sciences** organized by the UGC – Human Resource Development Centre (HRDC), Bharathidasan University on 19.6.2018.

190. As a resource person delivered a lecture on "***Microalgae and Cyanobacteria – A Potential Resource for Future***" in the **Departmental Seminar organized** by the Department of Biosciences, Jamia Millia Islamia (Central University), New Delhi on 3rd August 2018.

191. As a keynote speaker delivered a lecture on "***Microalgae – a sustainable bioresource for the future***" in the ***Two-day International Conference on Current trends in Life Sciences*** – "Medicinal Plants and its therapeutics" organized by Kandasamy Kander's College, Velur Namakkal & Kongu College of Arts and Science, Karur, Tamil Nadu, India, on 7th August 2018

192. As an Invited speaker delivered a lecture on "***Microalgal Biotechnology (for food, agriculture, energy, health and environment)"*** organized by Dr. N.G.P. Arts and Science College, Coimbatore-641 048 under DBT-Star College programme on August 16, 2018.

193. As a resource person delivered a lecture on "Research ***Intelligence through Scholarly Communication***" in the **Workshop on Research Intelligence and Scholarly Publishing** organized by the Department of Library and information Science, Bharathidasan University, Tiruchirappalli – 620 024 in connection with Librarian's Day Celebration on 24th August 2018.

194. Delivered a Inaugural Address during the inaugural function of the" International **Conference on "Emerging areas of Biotechnology for Human Welfare and Bioentrepreneurship" organized** by organized by the School of Life Sciences, B.S.Abdul Rahman Crescent Institute of Science & Technology, Vandalur, Chennai on 11 September 2018.

195. As an Invited speaker delivered a lecture on "***Microalgae and Cyanobacteria – a potential resource for our future needs***" in the" International **Conference on "Emerging areas of Biotechnology for Human Welfare and Bioentrepreneurship" organized** by organized by the School of Life Sciences, B. S. Abdul Rahman Crescent Institute of Science & Technology, Vandalur, Chennai on 12 September 2018.

196. As a keynote speaker, delivered a lecture on **"*Biodiversity, Bioremediation, Bioenergy & Biotechnological utilization of Microalgae*"** in the **National Conference on "Vistas in Biodiversity, Biology, Biotechnology and Nanotechnology of Algae (VBBBNA2018)**" organized by the Department of Botany, Madras Christian College, Chennai in association with Seaweed Research and Utilization Association and Krishnamurthy Institute of Algology on 21st September, 2018.

197. Delivered Valedictory address and Plenary lecture on "***Microalgae & Cyanobacteria – A potential resource for Energy, Environment & Health***" in the **National Conference on New Dimensions in Microbiome Research** organized by the PG & Research Department of Microbiology, J.J. College of Arts and Sciences, Pudukkottai on September 28, 2018.

198. Delivered Presidential address in the Valedictory Function of ***Hands-on Training on Taxonomic Identification of Coastal and Oceanic Copepods (TICOC 2018)*** organized by the Department of Marine Science, Bharathidasan University, Tiruchirappalli – 620 024 on 28.9.2018.

200. As a chief guest delivered special lecture on "***Recent Trends in Microalgal Technology***" in the **Decennial Celebrations** of Department of Microbiology, Periyar University, Salem – 636 011 on 31.10.2018.

201. As a resource person delivered a lecture on ***Microalgal Biotechnology*** in the **Science Academies Refresher Course on "Known to unknown Techniques in Biology"** organized by the PG & Research Department of Botany, St Joseph's College, Tiruchirappalli – 620 002 on 3.11.2018.

202. As a chief guest delivered Inaugural address in DBT funded National Workshop on **Hands–on Training on Fish Cell Culture Technique: Development and Applications** at the Department of Zoology and Biotechnology, C. Abdul Hakeem College, Meivisharam – 638509, Vellore District on 12th November 2018.

203. As a chief guest & resource person delivered a Key Note address in the inaugural function and a special lecture on ***Microalgae and Cyanobacteria – An important bioresource on Energy, Environment and health*** in the **Science Academies Lecture Workshop on "Conservation and Utilization of Bioresources"** organized by the PG & Research Department of Biotechnology, Srimad Andavan Arts & Science College, Tiruchirappalli – 620 005 on 6th December 2018.

204. Delivered a Presidential address in the inaugural function of **International Symposium on *"Applications and developments in Applied Sciences Research"*** organized by the PG and Research Department of Biotechnology and Bioinformatics, Holy Cross College, Tiruchirappalli – 620 001 on January 7, 2019.

205. As a resource person delivered a lecture on "**Cyanobacteria and its Application in Biotechnology**" in the Yenepoya Research Centre, Yenepoya (Deemed to be University), Deralakatte, Mangalore - 575018, Karnataka on 21.1.2019.

206. Delivered a lead lecture on "***Recent trends in microalgal and cyanobacterial technology***" in the **National Seminar on "Recent Trends in Microbial Technology"** organized by the Department of Botany, Government college of Arts, Science & Commerce, Quepem, Goa – 403 705 on 8.2. 2019.

207. Delivered a lead lecture on "***Taxonomy, Conservation and Utilization of Microalgae & Cyanobacteria***" in the **National Conference on "Future Trends in Marine Biotechnology (FTMBT)"** organized by the Centre for Marine Science and Technology, Manonmaniam Sundaranar University, Rajakkamangalam – 629 502, Kanyakumari District at Vivekananda Kendra, Kanyakumari on February 15th, 2019.

208. As a resource person delivered a lecture on "***Funding Schemes for Scientific Research, Project preparation and Patent Filing***" in the **UGC-Sponsored Short-Term Course in Research Methodology for the University and College Teachers** organized by the UGC – Human Resource Development Centre (HRDC), Bharathidasan University on 18.2.2019.

209. As a resource person delivered a lecture on "***Role of mushrooms in human resource development***" in the Training programme on "**Innovative Technology of Oyster Mushroom cultivation for self-employment of Rural population**" organized by the Department of Microbiology, Bharathidasan University, Tiruchirappalli – 620 024 on February 19, 2019.

210. As an Invited speaker delivered a lecture on "***Microalgae and Cyanobacteria – a sustainable bioresource for Energy, Environment and Health***" in the "**Aqua-Terr Golden Jubilee International Conference on Genome Biology and Host Defence: Bacteria to Mammals"** organized by the School of Biological Sciences, Madurai Kamaraj University, Madurai – 625 021, Tamilnadu, India on 1st March 2019.

211. As an Invited speaker delivered a lecture on "***Microalgae and Cyanobacteria – an imminent bioresource for Energy, Environment and Health***" in the "National **Conference on Prospects of Algae in Food, Health, Environment & Energy" organized** by the Department of Biotechnology, Karunya Institute of Technology & Sciences, Coimbatore – 641 114, Tamilnadu, India on 8th March 2019.

212. As an Invited speaker delivered a lecture on "***Microalgae and Cyanobacteria – a sustainable bioresource for Energy, Environment and Health***" in the "**Guest Lecture Programme"** organized by the Department of Biotechnology, AVS College of Arts & Sciences (Autonomous), Sulur, Coimbatore – 641 404, Tamilnadu, India on 8th March 2019.

213. As an Invited speaker delivered two lectures on 1. **Microalgal Biotechnology** and **2. Taxonomy and DNA Barcoding of Microbes** in the **Science Academies' Lecture Workshop on**

**"Bioprospecting and Conservation of Bioresources** organized by the Department of Botany and Microbiology, A.V.V.M. Sri Pushpam College (Autonomous), Poondi – 613 503, Tamilnadu on 19th March 2019.

214. As a Chief Guest delivered **College Day Address** during 12th College Day Celebrations on 10th April 2019 at B.Ed. College Auditorium, Jamal Mohamed College of Teacher Education, Tiruchirappalli 620 020.

215. Delivered a Plenary lecture on ***"Microalgae and Cyanobacteria – A Sustainable Bioresource for Energy, Environment and Health"*** in the **International Conference on Sustainable Development in Energy & Environment** organized by the Department of Biotechnology Kamaraj College of Engineering and Technology, K. Vellakumam 625 701, Viruthunagar, Madurai District on 18.7.2019.

216 As a resource person delivered a lecture on "***Progress in Microalgal and Cyanobacterial Biotechnology***" in the **Refresher Course in Life Sciences** organized by the UGC – Human Resource Development Centre (HRDC), Bharathidasan University, Tiruchirappalli – 620 023 on 20.7.2019.

217. Delivered a Keynote address on ***"Microalgae and Cyanobacteria: Most promising bioresource for energy, environment and health"*** in the **National Seminar on Recent Trends in Biosciences organized** by the Department of Biochemistry and Microbiology in collaboration with St. Peter's Institute of Higher Education and Research, Avadi, Chennai – 600 054 on 7.8.2019.

218. As a Chief Guest delivered **Valedictory Address** in the International Seminar on "**Microbial intervention for the welfare of Human Beings**" on 9th August 2019 at Sengamala Thayar Educational Trust Women's College, Mannargudi – 614 016, Thanjavur District.

219. As a Chief Guest delivered **Inaugural Address** in a **State level Two-day Workshop on "Biochemical Characterization of Bacterial Pathogens, Antibacterial studies and Permanent Slide Preparation** on 21. August 2019 organized by PG & Research Department of Botany, Holy Cross College (Autonomous), Tiruchirappalli – 620 002.

220. As a resource person delivered a lecture on "***Research Funding Schemes and Project Proposal Preparation***" in the **105th Orientation Programme** organized by the UGC – Human Resource Development Centre (HRDC), Bharathidasan University, Tiruchirappalli – 620 023 on 29.8.2019.

221. As a resource person delivered a special lecture on "***Bioproducts from Microalgae***" in the Seminar on **New Epoch on Biotechnological Research, ASM Student Chapter 2019-20** organized by the School of Biotechnology, Madurai Kamaraj University, Madurai – 625 021 in collaborations with American Society for Microbiology, USA on 6th September 2019.

223. As an invited speaker delivered a special lecture on "***Biodiversity and Biotechnological Potentials of Marine Cyanobacteria***" in the **National Seminar on Marine Natural Products as Pharmaceutical Agents** organized by Centre for Ocean Research, Satyabhama institute of Science & Technology, Chennai – 600119 on 18th September 2019.

224. As an invited speaker delivered a plenary lecture on "***Microalgae – a sustainable bioresource for our present and future needs***" in the **National Seminar on Prospects of Microalgae – Past, Present and Future** organized by the Division of Biotechnology and Phycology, CSIR – Central Salt and Marine Chemicals Research Institute (CSMCRI), Bhavnagar – 364 002, Gujarat on 20th September 2019.

225. As an invited speaker delivered a plenary lecture on "***Microalgae and Cyanobacteria – Taxonomy, Conservation and Utilization***" in the UGC sponsored **National Seminar on Emerging Trends in Algae** organized by the Research Department of Botany, St. Xavier's College, Palayamkottai – 627 002 in association with SRUA and Krishnamurthy Institute of Algology on 28th November 2019.

226. As a resource person delivered a lecture on "***Research opportunities and Project Proposal Preparation***" in the **UGC sponsored Refresher Course in Computer Science** organized by the UGC – Human Resource Development Centre (HRDC), Bharathidasan University, Tiruchirappalli – 620 023 First batch on 11.12.32019 and Second batch on 16.12. 2019.

227. As a resource person delivered a special lecture on "***Microalgae and Cyanobacteria – From Biodiversity to Biotechnology***" and hands-on training on "***Taxonomy and Identification of Cyanobacteria"*** in the Short-Term Training Program on **Algal Culturing Techniques and Biotechnology** organized by the School of Life Sciences, B.S. Abdur Rahman Crescent Institute of Science & Technology, Vandalur, Chennai - 600 048 on 17th and 18th December 2019.

228. As an invited speaker delivered a plenary lecture on "***Three decades of Cyanobacterial and Microalgal research and developments at Bharathidasan University, Tiruchirappalli, India***" in the Prof. **T.V. Desikachary Birth Centenary International Symposium on Biodiversity, Biology and Biotechnology of Algae – ISBBBA-2020** organized by CAS in Botany, University of Madras, Chennai on 9th January 2020.

229. As a chief guest delivered Valedictory Address and a Plenary Lecture on "***Microalgae and Cyanobacteria – a significant bioresource for energy, environment and health***" in the **National Conference on Emerging Trends Life Sciences** organized by the Waghire College of Arts, Commerce and Science, Saswad, Pune – 412 301 on 8th February 2020.

230. As an invited speaker delivered lecture on "***Cyanobacteria – Biodiversity to Biotechnology***" in the Seminar related the celebrations of Crafoord Prize awarded to Dr Sallie W. Chisholm, Massachusetts Institute of Technology (MIT), Cambridge, USA organized by the Department of Biochemistry and Biotechnology, Annamalai university, Chidambaram – 608 002 on 13th February, 2020.

231. As a resource person delivered a lecture on **"*Microalgae and Cyanobacteria – Taxonomy to Technology"*** in the Botany Association Seminar organized by Department of Botany, Periyar E V R College, Tiruchirappalli – 620 023 on 29th February, 2020.

**Webinar lectures**

232. As a resource person delivered a lecture on **"*Microalgae– a sustainable bioresource for Energy, Environment and Health*" in the National Seminar on Frontiers in Biological Innovations for Resource Management, Patents and Entrepreneur Development** Organized by Dept. of Botany, Jamal Mohamed College, Tiruchirappalli – 620 020 on 10th March, 2020.

233. As a resource person delivered a lecture on **"*Cyanobacteria– a potential resource for Energy, Environment and Health*"** in the **International Conference on "Recent Trends in Biological Sciences"** jointly organized by St. Joseph's College, Tiruchirappalli, Tamil Nadu and St. Andrew's College, Gorakhpur, Utter Pradesh on 4th June, 2020.

234. As a resource person delivered a lecture on **"*Microalgae – from Biodiversity to Biotechnology*"** in the Webinar concerned with **International world Environment Day"** jointly organized by Nagaland University, Voice On Indian Concern on Environment and Voice on International Community for the Environment on 8th June, 2020.

235. As a resource person delivered a lecture on **"*Microalgae – A Potential Resource for Energy, Environment and Health*"** in the **Five-Day Faculty Development Program for Botany –** organized by the Commissionerate for Collegiate Education, Vijayawada, Andhra Pradesh, on 14th July, 2020.

236. As a resource person delivered a lecture on **"*Microalgal Biotechnology – Preparation of Project Proposals & Filing Patents*"** in the **Faculty Development Program – Webinar Series III on Capacity Building of Young Talent in Transdisciplinary Research for a Sustainable Development of Society** organized by the Centre for Research & Development, Holy Cross College, Tiruchirappalli – 620 002 Tamil Nadu on 17th July, 2020.

237. As a resource person delivered two lectures on **"*Microalgal Biodiversity, Biomass production and Applications* (Part 1 & Part 2)"** in the **Online Summer Training Programme in**

**Cultivation and Commercialization of Biological Products** organized by the PG & Research Department of Botany, Jamal Mohamed College, Tiruchirappalli under DBT Star College Scheme on 23rd and 24th July 2020.

238. As a resource person delivered a lecture on **"*Biodiversity and Biotechnological Potentials of Microalgae*"** in the DST-PURSE sponsored webinar on "**Emerging Trends in Plant Sciences – ETPS 2020**" organized by the Department of Botany, Bharathiar University, Coimbatore – 641 046 on 19th November 2020.

239. As a resource person delivered a lecture on "***Microalgae – a sustainable bioresource for our present and future needs***" in the **87th Refresher Course in Life Sciences** organized by UGC – Human Resource Development Centre (HRDC), Punjabi University, Patiala on 8.12. 2020.

240. As a resource person delivered a lecture on "***Research Funding Schemes and Project Proposal Preparation***" in the Faculty **Induction Programme (FIP)** organized by the UGC – Human Resource Development Centre (HRDC), Bharathidasan University, Tiruchirappalli – 620 023 on 10.12. 2020.

241. As a resource person delivered a lecture on "***Microalgae – A Potential Unexploited*** – **Part I** in the **UGC sponsored Refresher Course in Biosciences** organized by the UGC – Human Resource Development Centre (HRDC), Bharathidasan University, Tiruchirappalli – 620 023 on 12.12. 2020.

242. As a resource person delivered a lecture on "***Biodiversity and Bio prospecting of Microalgae and Cyanobacteria for energy, environment and health care***" in the **International Conference on 'Sustainable Utilization of Tropical Plant Biomass (SUTPBM): opportunities for innovation and entrepreneurship in Kerala**' organised by the School of Biosciences (SBS), Mahatma Gandhi University, Kottayam, Kerala, India in association with Lund University, Sweden, Sustainable Kerala.net & SASNET Fermented Foods on 14th December 2020.

243. As a resource person delivered a lecture on "***Microalgae – A Potential Unexploited*** – **Part II** in the **UGC sponsored Refresher Course in Biosciences** organized by the UGC – Human Resource Development Centre (HRDC), Bharathidasan University, Tiruchirappalli – 620 023 on 22.12. 2020.

244. As a resource person delivered a lecture on "***Microalgae - A sustainable resource for our future needs***" in the **TNSCST sponsored A Two-day Webinar on Biodiversity and Bioprospecting** organized by the PG and Research Department of Botany, St. Marys College (Autonomous), Thoothukudi – 628 001 on 21.1.2021.

245. As a resource person delivered two lectures on 1. **Molecular Taxonomy and DNA Barcoding of Microbes** and **2. Microalgae & Cyanobacteria – From Taxonomy to Technology in** the **Science Academies' Virtual Lecture Workshop on "Recent Trends in Microbiology & Biotechnology** organized by the Department of Biotechnology, Srimad Andavan Arts & Science College (Autonomous), Tiruchirappalli-620 005 Tamilnadu on 15th February 2021.

246. As an resource person delivered two lectures on 1. **Microalgae: Biodiversity to Biotechnology and 2. Taxonomy and DNA Barcoding of Microbes** in the **Science Academies' Lecture Workshop on "Recent Trends in Biological Sciences** organized by the Department of Biochemistry, Sacred Heart College (Autonomous), Tirupattur – 635 601, Tamilnadu on 16 & 17 February 2021.

247. As a resource person delivered a lecture on "***Microalgal Identification – Conventional & Molecular Methods***" in the Gyan **Ganga - State Level Training cum Workshop on** "New Dimensions of Advance Studies in Botany" jointly organized by Directorate of College Education Rajasthan and Department of Botany & ISDC Cell Government College, Bundi, Rajasthan on 18.2. 2021.

248. As a resource person delivered a lecture on "***Screening. Cultivation and Optimization strategies of Microalgae for Biodiesel production"*** in the I**nternational Virtual Workshop on Biofuel**

**Production & Processing** organized by the Department of Green Energy Technology, Pondicherry University, Puducherry – 605 014 on 23.2. 2021.

249. As a resource person delivered a lecture on "***Microalgal Research – Need for Budding Scientists"*** during the 'National **Science Day Celebrations** & DBT funded one day **State Level Seminar on Future of STI: Impacts on Education Skills and Work**' organized by the Science Departments of Vellalar College for Women (Autonomous), Erode – 638 012 on 1.3. 2021.

350. As a resource person delivered a lecture on "***New Strategies for Microalgal Biodiesel Production***" in the **International Webinar on Biotechnological Innovations in the 21st Century** during 19 - 20 March, 2021 organized by the Department of Biotechnology, Maharaja Sriram Chandra Bhanja Deo University, (Erstwhile North Orissa University), Baripada, Odisha on 20th March, 2021.

351. As a resource person delivered a lecture on " ***Biotechnological potentials of Microalgae***" in the Webinar organized by the A.L. Mudhaliar Basic Science Development Centre, University of Madras, Chennai – 600 025 on 5th June, 2021.

352. As a resource person delivered a lecture on "***Contemporary approach to Publications and Research Grants arena***" in the **Faculty Development Programme** organized by the Internal Quality Assurance Cell & the Department of Microbiology, Cauvery College for Women, Tiruchirappalli – 620 018 on 9th June, 2021.

353. As a resource person delivered a lecture on "**Microalgae – a sustainable bioresource for our present and future needs**" in the **Expert Lecture Series** organized by the Microbiologists Society, India in association with RK University, Rajkot 360 020, Gujarat on 8th August 2021

354. As a resource person delivered a lecture on "***Microalgae: A Potential Bio-resources for our future***" in the **Professor E. K. Ganesan Memorial International *e*-Lecture** on his 83rd Birthday organized by Internal Quality Assessment Cell (IQAC) with Department of Botany and Alumni Association, Nowgong College (Autonomous), Nagaon 782 001 Assam on 19th August, 2021

355. As a resource person delivered a Lead lecture on "***Microalgae – From Taxonomy to Technology***" in the **First NABS-International Conference on "Life Sciences: Contemporary approaches in Biological Science for Food, Health, Nutrition Security and Conservation of Biodiversity**" organized by the Faculty of Agriculture, Annamalai University & National Academy of Biological Sciences (NABS) on 27th August, 2021.

356. As a Guest of Honour, delivered Inaugural address and as a Resource person delivered a lecture on "***Microalgae – a sustainable resource for biofuel, bioremediation and health***" in the **National Seminar on "Bioprospecting of Algae"** organized by the Hindustan College of Arts & Science, Coimbatore on 3rd September, 2021

357. As a resource person delivered a lecture on "***Research Grants, Fellowships and Project Proposal Preparations***" in the '**Workshop on Applying for Research Grants, Fellowships and Projects'** organized by the St Joseph's College, Tiruchirappalli – 620 002 on 8th September, 2021

358. As a resource person delivered a lecture on " ***Research Funding Schemes and Project Proposal Preparations***" in the UGC sponsored **Faculty Induction Programme (FIP)** for the University and College Teachers organized by the UGC-Human Resource Development Centre, Bharathidasan University, Tiruchirappalli – 620 023 on 10th September, 2021

359. As a resource person delivered a lecture on "**Microalgae – a sustainable bioresource for our present and future needs**" in the online Webinar under **Expert Lecture Series** organized by the Microbiologists Society, India in association with Department of Pharmacy, Shree Dev Bhoomi Institute of Education, Science & Technology, Dehradun, Uttarakhand, India on 11th September, 2021.

360. As a resource person delivered a lecture on "***Microalgae – Taxonomy to Technology***" in the UGC sponsored **Refresher Course in Life Sciences (Interdisciplinary)** for the University and College Teachers organized by the UGC-Human Resource Development Centre, Bharathidasan University, Tiruchirappalli – 620 023 on 13th September, 2021

361. As a resource person delivered a lecture on " ***Art of Writing Research Proposals***" in the UGC sponsored **Refresher Course in Computer Science & Applications** for the University and College Teachers organized by the UGC-Human Resource Development Centre, Bharathidasan University, Tiruchirappalli – 620 023 on 27th September, 2021.

362. As a resource person delivered a lecture on " ***Challenges and Strategies in Microalgal Research***" in the Virtual Lecture Workshop on "**Challenges and Prospects in Plant Science for Sustainable Future**" organized by the Department of Botany, Bharathidasan University, Tiruchirappalli – 620 024 on 27th October, 2021.

363. As a Chief Guest delivered **Inaugural Address** in the DST PURSE sponsored Workshop on "***Digital Photogrammetry"*** on 15th November 2021 organized by the Department of Geography, Bharathidasan University, Tiruchirappalli – 620 024.

364. As a resource person delivered a lecture on " ***Microalgae – From Taxonomy to Technology***" in the **Refresher Course in Botany** for the University and College Teachers organized by the UGC-Human Resource Development Centre, University of Madras, Chennai – 600 005 on 29th November, 2021.

365. As a resource person delivered a lecture on " ***Research Funding Schemes and Project Proposal Preparations***" in the UGC sponsored **Faculty Induction Programme (FIP)** for the University and College Teachers organized by the UGC-Human Resource Development Centre, Bharathidasan University, Tiruchirappalli – 620 023 on 3rd December, 2021.

366. As a Chief Guest delivered **Presidential Address** in the DST PURSE sponsored National Webinar on "***Water Resources and Socio-Economic Development***" on 11th December 2021 at the Department of Geography, Bharathidasan University, Tiruchirappalli – 620 024.

367. As a Chief Guest delivered **Valedictory address** in the RUSA 2.0 sponsored two days National Virtual Workshop on "Entrepreneurship ***Programme on Edible Mushroom Cultivation***" on 30th December 2021 at the Department of Botany, Bharathidasan University, Tiruchirappalli – 620 024.

368. As a resource person delivered a lecture on '**Microalgae – Taxonomy to Technology**' in the MHRD - RUSA 2.0 sponsored Skill Based Internship Programme on 'Advanced Techniques for Microalgal Cultivation organized by CAS in Botany, University of Madras, Chennai on 4th January 2022.

369. As a resource person delivered a lecture on "**Microalgae – a Potential to be Exploited**" in the ***Refresher Course in Biotechnology*** organized by the Centre of Biotechnology, University of Allahabad, Allahabad- 211002, Uttar Pradesh on 11th January 2022.

370. As a resource person delivered a lecture on " ***Research Funding Schemes and Project Proposal Preparations***" in the UGC sponsored online short-Term course in '**Research & Publication Ethics'** for the University and College Teachers organized by the UGC-Human Resource Development Centre, Bharathidasan University, Tiruchirappalli – 620 023 on 24th January 2022.

371. As a Chief Guest delivered **Inaugural Address** in the DST-SERB sponsored Scientific Social Responsibilities (SSR) activity-based workshop on two days National Virtual Workshop on "**Best Practices in Plant Tissue Culture**" on 11th February 2022 at the Department of Botany, Bharathidasan University, Tiruchirappalli – 620 024.

372. As a Chief Guest delivered **Valedictory address** in the DST PURSE and RUSA 2.0 sponsored two days 3rd National Workshop on "**Biotechnological Solutions for Environmental Challenges**" (**BITSFEC**s) on 23rd February 2022 at the Department of Environmental Biotechnology, Bharathidasan University, Tiruchirappalli – 620 024.

373. As a resource person delivered a lecture on " ***Cyanobacterial taxonomy to Biotechnology***" in the RUSA 2.0 sponsored **National Workshop on Molecular methods in Taxonomy to Biotechnology of Actinobacteria and Cyanobacteria** (MoMeTBAC-22) organized by the Department of Microbiology, Bharathidasan University, Tiruchirappalli – 620 024 on 8th March, 2022 and delivered Felicitation Address in the inaugural Function.

374. As a resource person demonstrated "***Morpho-taxonomical methods of Cyanobacterial identification***" in the RUSA 2.0 sponsored **National Workshop on Molecular methods in Taxonomy to Biotechnology of Actinobacteria and Cyanobacteria** (MoMeTBAC-22) organized by the Department of Microbiology, Bharathidasan University, Tiruchirappalli – 620 024 on 9th March, 2022.

375. As a resource person delivered MSI Fellow 2021 award lecture on "***Diversity, Morphological, Biochemical and Molecular characterization of Marine Fungi***" in the **National Conference (Virtual) on Mycology and Mankind: Marching ahead in the new era** & **48th Annual Meeting on Mycological Society of India** on 9th March 2022 organized by ICAR Research Complex for NEH Region, Umiam, Meghalaya & Mycological Society of India.

376. As a resource person delivered a Keynote address on " ***Cyanobacteria and Microalgae – From Biodiversity to Biotechnology***" in the **Ten days Internship on Fermentation Technology**" organized by the Department of Microbiology, Karpagam Academy of Higher Education, Coimbatore on 17th March, 2022.

377. As a resource person delivered a lecture on "***Development of Research Projects and Publications"*** in the **Faculty Development Program** organized by the Department of Botany, H.H. The Rajah's College Pudukkottai - 622 001 on 5th May, 2022.

378. As a resource person delivered a invited talk on "***Cyanobacterial biodiversity and their role in Biotechnology"*** in the **Symposium on Biological diversity – National Perspective, Biodiversity Crisis, Concerns and Mitigation Approaches** organized by the Department of Biotechnology, Alagappa University, Karaikudi jointly with Bhabha Atomic Research Centre (BARK), Mumbai on 13th May, 2022.

379. As a resource person delivered a special lecture on "***Cyanobacteria and Microalgae – From Taxonomy to Technology"*** in the **National Level Conference on Biotechnology and OMICS Sciences (BIO-OMICS-2022)** organized by the Department of Biotechnology, Alagappa University, Karaikudi on 27th May, 2022.

380. As a resource person delivered a lecture on " ***Research Funding Schemes and Project Proposal Preparations***" in the UGC sponsored **Faculty Induction Programme (FIP)** for the University and College Teachers organized by the UGC-Human Resource Development Centre, Bharathidasan University, Tiruchirappalli – 620 023 on 10rd June, 2022.

381. As a Chief Guest delivered **Inaugural Address** in the "***International Conference on Emerging Outlook and Recent Trends in Microbiology*"** organized by the Department of Microbiology, Shrimati Indira Gandhi College, Tiruchirappalli – 620 002 on 26th August 2022.

382. As a Chief Guest delivered a lecture on "**Microalgal Biotechnology**" and inaugurate Botany Association in the P.G. and Research Department of Botany, National College, Tiruchirappalli – 620 0021 on 24th September 2022.

383. As a resource person delivered **Keynote Address** during the Inaugural function and **Felicitation Address** during the valedictory function of the ***International Conference on Microbiome and Synthetic Biology*** **(ICMSB 22)** organized by the Department of Microbiology, Bharathidasan University, Tiruchirappalli – 620 024 on 22nd and 23rd September 2022.

384. As a resource person delivered a lecture on "**Microalgae: Foremost organisms for Environment, Energy & Health**" in the Two-Day **National Seminar on Sustainable Global Environmental Health – Our Planet Our Health** organized by the Internal Quality Assurance Cell, Cauvery College for Women (Autonomous) Tiruchirappalli on 26th September 2022.

385. As a resource person delivered **Keynote Address** during the Inaugural function of Indian Council of Social Science Research sponsored "**National Seminar on Sustainable Environment: Issues and Challenges Towards Future Perspectives**" organized by the Department of Population Studies, Annamalai University, Chidambaram on 29th September 2022.

386. As a resource person delivered a lecture on "**Microalgae – a Potential to be Exploited**" in the UGC sponsored **Refresher Course in Biochemistry and Biotechnology** for the University and College Teachers organized by the UGC-Human Resource Development Centre, Bharathidasan University, Tiruchirappalli – 620 023 on 12th October, 2022.

387. As a Chief Guest in the book release ceremony of SRC-Quest (Volume 2) and IQAC Newsletters and delivered special address in Seethalakshmi Ramaswami College Tiruchirappalli – 620 002 on 28th October 2022.

388. As a resource person delivered a lecture on "**Microalgal Biotechnology – a Potential to be Exploited**" in the special lecture programme organized by the Department of Microbiology, Periyar University, Salem 636 011 on 7th November 2022.

389. As a resource person delivered a lecture on "**Biodiversity of Marine Fungi and exploration of endophytic fungus mediated production of Calebin-A from *Curcuma* sp. and its biological applications**" in the UGC SAP sponsored lecture programme organized by the Department of Microbiology, Food Sciences and Biotechnology, Bangalore University Bangaluru – 560 056 on 8th November 2022.

390. As a resource person delivered **Dr. V. Agnihothrudu Memorial Award Lecture** on **Endophytic fungus mediated production of Calebin-A from *Curcuma* sp. and its biological applications**" in the ***National Conference on Fungal Diversity for sustainable Future: Potentiality, Progress, Conservation and IPR Issue*** and ***49th Annual Meeting of Mycoloical Society of India*** organized by the Department of Botany, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh on 28th November 2022

391. As a resource person delivered a Plenary lecture on "***New Strategies for Sustainable Microalgal Biodiesel Production*** in the **National Conference on Recent Trends in Green Energy Technologies – NRTGET'2022** organized by the Department of Green Energy Technology. Pondicherry University on 9th December, 2022.

392. Delivered **M.K. Nambiar Memorial Oration Award lecture** on **"*Biodiversity and Biotechnological potentials of Cyanobacteria and Microalgae*"** in the 43rd Annual Conference of **Indian Association of Biomedical Scientists** (IABMS) with a theme of "**An Integrative Approach Towards Health Protection and Health Promotion"** on 19th December, 2022 at Sri Sri University, Cuttack, Odisha, India

393. As a resource person delivered a lecture on "**Microalgae and Cyanobacteria – Most promising bioresource for Energy, Environment and health"** in the "Interactive Sessions with Eminent Personalities" programme organized by Velalar Vidyalayaa, Erode on 30th December 2022.

294. As a resource person delivered Plenary lecture titled "**Three decades of Cyanobacterial and Microalgal research and developments at Bharathidasan University, Tiruchirappalli, India"** in the First National Conference on "Biotechnology for Better Tomorrow" organized by the Microbiologist's Society, India & Department of Microbiology, Taywade College, Mahadula-Koradi, Nagpur on 22nd January 2023

395. Delivered **a** Plenary lecture on **"Microalgae – a potential bioresource for Energy, Environment and Health"** in the National Academy of Biological Sciences (NABS)13th National Conference with a theme of '**Current Perspectives for sustainable development in life sciences, environment and agriculture'** on 24 January, 2023 at Periyar University, Salem, Tamil Nadu.

396. As a Chief Guest delivered a lecture on "**Microalgal Biotechnology"** in the "**Popular Lecture Series in Biotechnology**" programme organized by the Department of Microbiology, Ayya Nadar, Janaki Ammal College, Sivakasi – 626 124, Tamil Nadu on 3rd February 2023.

397. As a resource person delivered **Keynote Address** in the International Conference on "**Converging research approaches in life science for Future Advancement**" organized by the PG and Research Department of Microbiology, Sengamala Thayaar Educational Trust Women's College (Autonomous), Sundarakkottai, Mannargudi on 15th February 2023.

398. As a Chief Guest delivered a lecture on **"Microalgae – A sustainable bioresource for present & future"** in the **International Conference on Future Challenges of Microbes in Environment** organized by the Department of Microbiology, Jamal Mohamed College (Autonomous), Tiruchirappalli - 625 020 in association with **Microbiologist Society, India** (MBSI) on 23rd February 2023.

399. As a resource person delivered a lecture on "**Microalgae & Cyanobacteria - a Sustainable bioresource for Food & Food Additives"** in the Second NABS Foundation Day Celebration Lecture organized by National Academy of Biological Sciences on 10th March 2023 (online mode)

400. As a Chief Guest delivered **Inaugural Address** and a lecture on "**Preparation of Research Projects Proposals for Funding Agencies**" in the One-day Workshop on "**Research Proposal Writing"** organized by the Internal Quality Assurance Cell (IQAC) and the Department of Library and Information Science, Periyar University, Salem 636 011 on 14th March 2023.

401. As a Chief Guest delivered **Facilitation Address** and a **Plenary Lecture** on "**Microalgae – A sustainable bioresource of energy, environment and health"** in the "**National Conference on Environment management towards sustainability**" organized by the Department of Zoology, Nesamani Memorial Christian College, Marthandam- 629 165, Kanyakumari District on 12th April, 2023.

402. As a resource person delivered a lecture on "**Microalgae - a potential resource for energy, environment and health"** in the organized by Microbiologists Society, India (Chandigarh Unit) on 14th July 2023 (online mode).

403. As a resource guest of Honour delivered inaugural address and a lecture on "**Microalgae – From Biodiversity to Biotechnology"** in the **RUSA – Phase III - Skill Based Internship Programme** organized by CSA in Botany, University of Madrass Guindy on 8th August 2023.

404. Delivered Special address in the inauguration and a Plenary Lecture on "**Microalgae – A Potential bioresource for Energy, Environment & Health"** in the "**International Conference on Applications of Natural Products Nanomaterials and Nanopharmaceuticals"** organized by School of Life Sciences, B.S. Abdur Rahman Crescent Institute of Science and Technology, Chennai, India in association with Nano and Biomaterials Association (NBA), The Biotech Research Society (BRSI), India, Centre for Surface Technology and Applications (CeSTA), & Aerospace University, Republic of Korea 9th August, 2023.

405 As a Chief Guest delivered **Inaugural Address** and a **Plenary Lecture** on "**Microalgae – a sustainable bioresource for our present and future"** in the "**Prof. SK Memorial NABS Lecture Workshop - 4th Series**" organized at Vivekananda College, Agasteeswaram, Kanyakumari on 25th August, 2023.

406. Delivered a **Keynote Address** on "**Microalgae – A Potential bioresource for Energy, Environment & Health**" in the Hands-on Training on Biological Oceanographer Voyage. Organized by RVS College of Arts and Science, Coimbatore Thassim Beevi Abdul Kader College for Women, Keelakarai on 30th September 2023.

407. Delivered an **Inaugural Address** on "**Microalgal Biotechnology – An Industrial Perspective**" in the Industry Conclave on "Innovations, Biobusiness and Startup Ecosystem in Algal

Biotechnology - A Carbon Neutral Initiative" organized by the Department of Microbiology, Madras Christian College, Tambaram, Chennai – 600 059 on 6th October 2023.

408. Deliverd a **Plenary Lecture** on "**Marine Planktonic diversity of Tamilnadu and their Biotechnological Potentials"** in the **International Conference on Recent Advances in Animal Biology and Concervation**, organized by the Department of Zoology, University College, Thiruvananthapuram, Kerala on December 21, 2023.

409. As a chief guest delivered a **Keynote Address** during the Inaugural function of the **International Conference on Post COVID 19 Pandemic Era – Clinical and Translational Research (NCPCPE - CTR) and 44th Annual Conference of Indian Association of Biomedical Scientists (IABMS)** organized by Dept. of Microbiology, M. R. Government Arts College, Mannargudi on 8th January 2024.

410. Delivered a **Plenary Lecture** on "**Microalgae – A sustainable bioresource for Energy, Environment and Health**" in the "**International Conference on Microbiological Research: Current Challenges and Future Perspectives-2024**" organized by the Department of Microbiology, Bharathidasan University, Tiruchirappalli in association with the **Microbiologists Society, India** (**MBSI**) on 9th January, 2024.

411. As a chief guest delivered a **Special Address** on "**Circular and Sustainable Economy of Algal Industries"** during the inaugural function of the **International Conference on Emerging Global Business Opportunities (ICEGBO '2024)** organized by St. Joseph's Institute of Management (JIM), St Joseph's College, Tiruchirappalli on 10th January 2024.

412. Delivered **Chief Guest Address** in the 30th Annual Day function at Alpha Education Institutions, Tiruchirappalli on 26th January 2024.

413. As a Resource Person delivered a lecture on "**Microalgal Biotechnology – A Potential to be exploited**" in the One Day Seminar on "**Blooming Perspectives of Zoology**" organized by the Department of Zoology, Kalaigner Karunanithi Government Arts College for Women (Autonomous) Pudukkottai – 622 001 on 29th January 2024.

414. Delivered a **Keynote Address** in the **International Multidisciplinary Conference on "Emerging the Future with Advances in Science & Technology"** organized by the Departments of Biochemistry, Microbiology, Pscycology, BCA & Mathematics with Computer Applications, Ethiraj College for Women (Autonomous) on 1st February, 2024.

415. As a chief guest delivered a **Special Address** on "**Commercialization of Algal Industries towards circular and Sustainable Economy"** in **A One Day Seminar on Commercialization of Technologies and Tech Transfer** organized by Thassim Beevi Innovation Incubation Council & EDC, Thassim Beevi Abdul Kader College for Women, Kilakarai – 623 517, Ramnad district on 5th February 2024.

416. Delivered a **Inaugural Address** in the **International Conference on "Exploring Innovative Technologies in Biosciences Towards Sustainable Development (EITB 2024)"** organized by the Post Graduate & Research Department of Microbiology, Dwaraka Doss Goverdhan Vaishnav College, Chennai 600 106 on 6th February 2024.

417. As a Chief Guest delivered Special Lecture on "**Classify, Calibrate, Consume and Celebrate the Competencies of Cyanobacteria"** in the International Seminar on Recent Trends in Biological Sciences, organized by **Crescent Global Outreach Mission (CGOM)**, B.S. Abdur Rahman Crescent Institute of Science and Technology (Deemed to be University), Vandallur-600 048, Chennai on 13th February 2024

418. As a Chief Guest delivered **Special Lecture** on "**Molecular Phylogeny of Cyanobacteria"** in the Best Student Award Ceremony and a Workshop organized by S**t Peter's Institute of Higher Education and Research** (Deemed to be University) Avadi, Chennai on 16th February 2024

419. As a Chief Guest delivered **Special Address** and a special lecture on "**Classify, Calibrate, Consume and Celebrate the Competencies of Microalgae**" in the International Conference

on Microalgar: Biodiversity and Bioprospecting organized by St Mary's College Tutucorin 628 001 on 20.2.2024

420. As a Chief guest delivered Felicitation Address in the "**National Symposium og Blue Carbon Sink"** organized by the department of Marine and Coastal Studies, Madurai Kamaraj University Marine Field Research Facility, Pudumadam, Ramanathapuram Dstrict in collaboration with Seaweed Researh and Utilization Association on 22.2.2024

421. As a chief guest delivered a **Validictory Address** in the International **Conference on "Inspiring Microbiome for the Future Generation"** (IMFG-2024), organized by PG and Research Department of, Microbiology, Sengamala Thayaar Educational Trust Women' s College, Mannargudi in association with Microbiologists Society, India (MBSI), & Internal Quality Assurance Cell (IQAC) on February 27, 2024

422. As a Chief guest delivered **College Day Address** in the **College Day function** (for Women) of Jamal Mohamed College, Tiruchirappalli – 620 020 on 7th March 2024.

423. As a Chief guest delivered a **Special Address** in the **Hira Skill Development Academy Education Consultant Trainers Program** (online) organized by the Hira Skill Development Academy on 10th March 2024.

424. As a Guest of Honour delivered a felicitation address in the Inaugural Function and delivered a Keynote Address titled "***Microalgae and cyanobacteria - a potential resource for bioproducts***" in the "**National Seminar on "Algal Biodiversity and Environmental Sustainability**" organized by the PG Department of Botany, Berhampur University, Berhampur, Odisha on 20 & 21 August 2024.

425. As a distinguished Alumnus of Periyar University, delivered a Special Address titled "***Circular and Sustainable Economy of Microalgal Biotech Industries"*** in the "**Alumni Lecture Series 2024** " organized by the Department of Microbiology and Centre for Alumni Affairs, Periyar University Alumni Association (PUAA), Periyar University, Salem on 23rd September 2024.

426. As a chief guest delivered a Validictory Address in the **National Conference on "Advances and Latest Approaches in Regenerative Medicine" (ALARM'24)** organised by the Department of Microbiology, Hindustan College of Arts & Science, Padur, Chennai on 7th October, 2024.

427. As a Guest of Honour delivered a Special Address in the inaugural session and delivered Keynote Address titled "**Microalgal Biotechnology – An Industrial Perspective towards Circular and Sustainable Economy**" in the **National Seminar on "Research and Innovations in Industrial & Marine Biotechnology: A Circular Economy" (RIIMBCE- 2024)** organised by the Centre for Industrial Biotechnology Research (CIBR), Siksha 'O' Anusandhan (Deemed to be University), Bhubaneshwar – 751003 Odisha on 4th November, 2024.

428. As a resource person deliverd a lecture titled "**Quality Research Writing and Publication**" in the **Faculty Development Program** organized by Vivekanandha College of Arts and Sciences for Women (Autonomous), Elayampalayam, Tiruchengode, Namakkal District on 16th November 2024.

429. As a Guest of Honour delivered Inaugural Address in the "**Two Day International Conference on Transfermation towards Sustainable Development Goals (SDGs): A Multidisciplenary Approach**" organized by Thassim Beevi Abdul Kader College for Women, Keelakarai – 623 517 Ramnad Dt. on 11th December 2024.

430. As a Chief guest delivered a Keynote Address titled "**Microalgal Biomass production and Applications"** in the "**International Seminar on Commercial Microalgae Cultivation: Current Scenario and Future Prospects**" and delivered Valedictory address organized by the

Department of Plant Science, Central University of Kerala, Kasergode, Kerala on 12th December 2024.

431. As a Chief guest delivered a Keynote Address titled "**Microalga – a sustainable resource for food, feed, fuels and fine chemicals**" in the **National Conference on Multi-omic approach for Recent Innovations in Microbiology and Biotechnology** organized by the P.G. Department of Bioscience & Biotechnology, and Applied Microbiology, Fakir Mohan University, Balasore, Odissha 756 089 on 6 -7, March, 2025.

432. As a Chief Guest delivered an Inaugural Address and a Special Lecture titled "**Innovations and Advances in Microalgal Research: From Taxonomy to Technology"** in the "**National Seminar on Innovations and Advances in Biosciences**" organized by the Departments of Biochemistry, Botany and B. Voc Marine Food Processing and Preservation Technology, A.D.M. College for Women Velippaalayam, Nagapattinam - 611 001 on 17th March 2025.

433. As a Chief Guest delivered **Valedictory Address** in the **National Conference on "Higher Education Initiatives – Trends, Technologies and Transformations**" organized by the Justice Basheer Ahmed Sayeed College for Women (SIET) on 8th April, 2025.

434. As a Chief guest delivered a **Keynote Address** in the **International Conference on Recent Advances in Bioresource Technology** organized by the Department of Biotechnology, Thiruvalluvar University, Vellore – 632 115 on 13 August, 2025.

435. As a Chief guest delivered a **Keynote Address** on "**Microalga: A sustainable Bioresource to Circular Economy**" in the **3rd Botanical Congress 2024 (**Theme: Plant Science and Society**)** organized by The Botanical Society of Bengal in collaboration with the Department of Botany, University of Calcutta, Kolkatta – 700 019 on 21st August 2025.

436. As a Chief guest delivered a **Keynote Address** in the TNSCST sponsored Training Programme on "***Chlorella* Genomics, Cultivation, Processing and Value Added Product**" organized by the National Repository for Microalgae and Cyanobacteria – Freshwater (Sponsored by DBT, Govt. of India), Bharathidasan University, Tiruchirappalli 620 024 on 1st September 2025.

437. As a Resource Person deliverd a Lecture on "**Microalgae: A Potential resource for Circular & Sustainable Economy** and delivered a **Validictory Address** in the **Refresher Cource in Life Sciences** (Interdisciplinary) for the Mid-Career Teachers organized by UGC – Malaviya Mission Teacher Training Centre, Bharathidasan University, Tiruchirappalli – 620 023 on 3rd September 2025.

438. As a Chief Guest delivered **Inaugural Address** in the **International Conference on Algal Sustainability (ICAS25)**, organized by Sadakathullah Appa College, Tirunelveli – 627 011 in collaboration with Seaweed Research and Utilization Association and Krishnamurthy Institute of Algology, sponsored by SNAP Natural and Alginate Products Private Limited, Vellore & Sathyam Bio, Madurai on 25th September 2025.

439. As a Resource Person deliverd a Lecture on "**Quality Research and Writing Scientific Publications**" in the Two-Day Workshop on **The Publication Process: Navigating Review and Publication Ethics,** organized by the Internal Quality Assurance Cell (IQAC) & Research Forum, V.O. Chidambaram College, Thoothukudi – 628 008 on November 18, 2025 (on-line).

440. As an Invited Speaker delivered a Lecture on "**Exploration of Microalgae and Cyanobacteria for Sustainable and Circular Economy**" in the **International conference on Biotechnology for Sustainable Development and Circular Economy (BSDCE-2025)** organized by the Centre for Industrial Biotechnology Research, **Siksha 'O' Anusandhan (**Deemed to be University), Bhubaneswar, Odisha, India jointly with the **Biotech Research Society, India (BRSI),** on December 8, 2025 (on line).

441. As an Invited Speaker delivered a Plenary lecture on **Microalgae & Cyanobacteria: A Sustainable Bioresource for Energy, Environment and Health** in the **International Conference on Microbial Innovations for Sustainable Agriculture and Medical Applications** (ICMISAMA - 2025) organized by the Department of Microbial Technology, School of Biological Sciences, Madurai Kamaraj University, Madurai, India, in association with Mycological Society of India and Microbiologist Society, India on 17 December 2025.

442. As a Chief Guest delivered **Validictory Address** in the RUSA sponsored "**National Workshop on Online tools for Scholarly communications"** organized by the Department of Library and Information Science, Bharathidasan University, Tiruchirappalli – 620 024 on December 19, 2025.

443. As an **Invited Speaker** delivered a lecture on "**Microalgae and Cyanobacteria: A Sustainable Resource for Health and Well being**" and delivered **Valedictory Address** in the **International Conference on Microbial Research for Health and Well-being** (ICMRHW-2026), organized by the Department of Microbiology, Periyar University, Salem – 636 011 Tamil Nadu, on 2nd February, 2026.

444. Delivered **Dr. N. Anand Endowment Lecture** on "**Microalgae and Cyanobacteria – a potential bioresource for sustainable and circular economy**" organized by Centre for Advanced Studies in Botany, University of Madras, Guindy Campus, Chennai – 600 025, on 2nd Frbruary, 2026.

445. Delivered a **Keynote Address** in the **International workshop on "Updated Cyanobacterial Taxonomy and Systematics**" organized by National Repository for Microalgae & Cyanobacteria – Freshwater & Marine and National Facility for Marine Cyanobacteria (Sponsored by DBT, Govt. of India), Bharathidasan University, Tiruchirappalli – 620 024 on 25th February 2026.

446. Delivered a **Keynote Address** and a **Plenary Lecture** on ***A Polyphasic Approach to Microalgal Taxonomy: Integrating Morphological and Molecular Methods***" in the **National level workshop on "Microalgal Genomics and Phycosphere Engineering**" organized by National Repository for Microalgae & Cyanobacteria – Freshwater (Sponsored by DBT, Govt. of India), Bharathidasan University, Tiruchirappalli – 620 024 on 10th March 2026.

447. As a **Chief Guest** delivered **College Day Address** during the 61st College Day Celebrations of C. Abdul Hakeem College, Melvisharam, Ranipet District on 2nd April, 2026

448. As a **Collaborator of Danish-Indo-Brazilian Network Project** on Sustainable Microalgal BioSolutions (SMBS), delivered a lecture on "**Microalgae: A sustainable resource for Circular Economy**" in the **1st International Workshop** on "***Perspectives of development of New Materials and Biosolutions***" held at **Federal University of Lavras**, Lavras, **Brazil**. on June 16, 2026.

449. As a **Chief Guest** delivered an **Inaugural Address** followed by a Special Lecture titled "**Microalgae as a Sustainable Bioresource for Energy, Environment and Health: A Circulal Economy Perspective**" in the **DBT- CTEP Popular Lecture Series** on "***Algae in Biofuels, Bioplastics and Bioproducts***" organized by the Departments of Botany, Bishop Heber College (Autonomous), Tiruchirappalli – 620 017 on 3rd August 2026.

450. As a resource person delivered a lecture on '**Microbial Innovations and Intellectual Property Protection: From Discovery to Patent'** in the ***UGC-Sponsored Online Short-Term Programme in Intellectual Property Rights*** organized by the **UGC- Malaviya Mission Teacher Training Centre** (MMTTC), Bharathidasan University, Tiruchirappalli 620 024 on 4th September, 2026

451. As a chief guest delivered a Lecture on "**Harnessing Microalgae and Cyanobacteria for a Circular Bioeconomy: Innovations in Agriculture, Environment, Bioenergy and Healthcare**" in the ***National Conference on "Microbial Frontiers 2026: Transforming Agriculture, Environment and Healthcare Through Global Innovations***" (NCMF-2026) organized By PG and Research Department of Microbiology, Sengamala Thayaar Educational Trust, Women's College, (Autonomous), Sundarakkottai, Mannargudi - 614 016, Thiruvarur (Dt.) in association with Microbiologists Society, India, Internal Quality Assurance Cell and Institution's Innovation Council on 9th September 2026.

452. As a Resource person delivered a lecture on "**Microalgae – A Sustainable Resource for the Circular Economy**" in the ***National Conference on "Frontiers In Biotechnology*** - 2026" organized by the PG & Research Department of Biotechnology (Supported by DBT Star College Scheme), Nandha Arts and Science College (Autonomous), Pitchandampalayam, Erode - 638 052 on 18th September, 2026.

453. As an Invited speaker delivered a lecture on "**Microalgae and Cyanobacteria: From Taxonomy to Sustainable Circular Bioeconomy**" in the ***International Conference on Sustainable Microalgal BioSolutions*** **(ICSMBS'26)** organized by the Crescent Global Outreach Mission – R&D, B.S. Abdur Rahman Crescent Institute of Science and Technology (BSA CIST), in collaboration with the Danish Technological Institute, Denmark, and the Federal University of Lavras, Brazil on November 2–3, 2026.

## 28. Chaired Technical Sessions in Symposia / Conferences / Seminars

1. **Chaired** Aquatic Microbiology Session in ***International Symposium on Freshwater Aquaculture - Potentials and Prospects*** held at A.V.V.M Sri Pushpam College, Poondi, Thanjavur District, November 13, 2003.
2. **Chaired** Microbiology Session in ***National Symposium on Recent Trends in Biological Research*** held at A.V.V.M. Sri Pushpam College, Poondi, Thanjavur District, February, 18, 2004.
3. **Chaired** Special lecture and Paper presentation session in **National *Symposium on Algal Biology and Industrial Applications***, organized by Krishnamurthy Institute of Algology, RKM Vivekananda College, Chennai. September 26, 2004**.**
4. **Chaired** a Paper presentation session in **National Conference on Aquaculture Biotechnology** organized by the Department of Zoology & Biotechnology, AVVM Sri Pushpam College, Poondi, Thanjavur District on 21st, July, 2005.
5. Acted as a **Co-Judge** in the 3rd day Poster Session in the **International Conference on Applied Phycology "Algae in Biotechnology and Environment**" University of Delhi, Delhi – 110 007 during 14 – 15, 2006.
6. Acted as **Repertoire** in the 3rdTechnical Session and Panel discussion of the **International Conference on** "**Current Trends in Algal Bioresource Utilization"** Assam University, Silchar (India) during 4-6 December, 2006.
7. **Chaired** a Paper presentation session and **Co-Judge** for Poster Session of the **National Conference on "Bioprospecting of Marine Resources with special reference to Marine Natural Products and Drug Discovery"** organized by Oceanography and Coastal Area Studies, Alagappa University, Karaikudi during April 26 – 28, 2007.
8. **Chaired** a Paper presentation session in National **Conference on Environment Science and Technology** organized by the Department of Environmental Biotechnology, Bharathidasan University, Tiruchirappalli on 28th November, 2008.
9. **Co-Chairperson** in the **National Symposium on "Phycology in India – Basic to Applied"** Organized by the Department of Botany, Punjabi University, Patiala – 147 002 during February 12 – 13, 2009.

10. Acted as **Judge** for Microbiology & Life Science subject in college level **Science Exhibition** in Tamil at Periyar University, Salem – 636 011 on 27th October, 2009.

11. **Chaired** a Paper presentation session of the **International Conference on Computational Biotechnology and Nanotechnology** at Vivekananda College of Engineering for Women, Tiruchengodu on 24. 2.2010.

12. **Chaired** a Key note lecture and paper presentation session of the **National Symposium on Recent Trends in Algal Biotechnology** organized by Mar Athanasios College for Advanced Studies, Thiruvalla, Kerala – 689 010 on 5. 8. 2010.

13. **Chaired** a paper presentation session of the **International Conference on Aquatic Microbiology (Status, Challenges and Opportunities)** organized by CAS in Marine Biology, Annamalai University Parangipettai – 608 502, September 3, 2010.

14. **Chaired** a special lecture session of the **National Symposium on Marine Plants -** Jointly organized by CAS in Marine Biology, Annamalai University Parangipettai – 608 502 and Seaweed Research and Utilization Association, Mandapam on September 25, 2010.

15. **Chaired** a paper presentation session of the National Seminar on "**Recent Trends in Microbial Technology with Special Reference to Extremophiles"** Organized by the Department of Microbiology, Periyar University, Salem 636 011 on October 21, 2010.

16. **Chaired** a paper presentation session of the **International Seminar and Workshop** on "***Sustainable Utilization of Tropical Plant Biomass*"** Organized by the University of Kerala, Thiruvananthapuram – 695 584 on December 15, 2010.

17. **Chaired** a paper presentation session of the "**International Conference on Implications of Biotechnology on Biodiversity and its Conservation"** organized by the Department of Plant Biology and Plant Biotechnology, Ethiraj College for Women, Chennai - 600 008 on 27th January 2011.

18. **Chaired** a paper presentation session of the "**International Conference on "Impact of Physical Sciences on Biology (ICIPB 2011)"** organized by Queen Mary's College, Chennai 600 004 during July 8, 2011.

19. **Chaired** plenary lecture session of the ***"Indo-UK Conference on Shrimp Aquaculture: Challenges & Innovative Solutions (SACIS - 12)"*** organized by The Department of Bioinformatics, Bharathidasan University, Tiruchirappalli – 620 024 on January 26, 2012.

20. **Chaired** plenary lecture session of the **"*National Symposium on Prospects and Retrospects in Microbial Technology"*** organized by the Department of Microbiology and Biotechnology, Cauvery College for Women, Tiruchirappalli 620 018 jointly with the Department of Microbiology, Bharathidasan University, Tiruchirappalli 620 024 on February 17, 2012.

21. **Chaired** a paper presentation session (Microbiology) of the 12*th* ***Tamil Science Conference*** (Tamilnadu Science Organization) organized by the Periyar University, Salem 636 011 on August 24, 2012.

22. **Chaired** a paper presentation session of the National Symposium on "**Fundamental and Applied Phycology**" organized by the Department of Botany, Punjabi University, Patiala – 147 002 on March 26, 2013.

23. **Chaired** a paper presentation session of the National Seminar on "**Current Trends in Infectomics**" organized by the Department of Microbiology, Periyar University on February 21, 2014.

24. **Chaired** a paper presentation session of the National Conference on **"Fungal diversity and Biotechnology for Food and Chemicals"** organized by the Mycological Society of India and the Centre of Advanced Studies in Marine Biology, Annamalai University, Parangipettai - 608502 on February 28, 2014.

25. **Chaired** invited paper presentation session of the National Conference on **"Challenges and future prospects of applied research in Life Sciences"** organized by the Department of Biochemistry, Bharathidasan University, Tiruchirappalli – 620 024 on February 6, 2015.

26. **Chaired** invited paper presentation session-V of the "***International Conference on Biodiversity and Bioactive Natural Products for Human Welfare"*** organized by the Department of Botany, Government Arts College, Karur – 639 005 on February 11, 2016.

27. **Co-Chaired** in the Technical Session 6 of the "**International Conference on Advances in Algal Biotechnology"** organized by the School of Biosciences and Technology, VIT University, Vellore – 632 014 and Seaweed Research and Utilization Association, Parangipettai – 608 502 on 11. 8. 2016.

28. **Chaired** invited paper presentation session of the "***International Conference on Environment and Health in Changing Climate"*** organized by the Department of Environmental Biotechnology, Bharathidasan university, Tiruchirappalli – 620 024 on September 15, 2016.

29. **Chaired** in the poster presentation session of the **"*National Conference on Basic and Applied Researches in Plants and Microbes"*** organized by Department of Botany, Punjabi University, Patiala – 147 002, Punjab on November 4, 2016

30. **Co-chaired** Oral Session on Biomedical and Pharmaceutical Sciences of the **10th NABS National Conference on "Recent Trends in Life Sciences: Research, Practice and Applications for Sustainable Development"** organized by the Departments of Botany and Zoology, Bharathiar University, Coimbatore and National Academy of Biological Sciences, Chennai on 8th September 2017.

31. **Chaired** an invited paper presentation and oral sessions in the **National Conference on Algal Diversity and Resource Status: Current Trends in Utilization and Prospects for Innovation** organized by PG & Research Department of Botany & Marine Ecology and Conservation Lab, PG & Research Department of Zoology, V.O. Chidambaram College, Tuticorin – 628 008 jointly with Seaweed Research & Utilization Association & Krishnamurthy Institute of Algology on September 22, 2017.

32. **Chaired** a Technical Oral Presentation Session in the ***National Conference on "Recent Advances in Modern Biology and Rural Development"*** **(RAMBARD-2017)"** organized by the PG & Research Department of Botany & Microbiology, AVVM Sri Pushpam College, Poondi – 613 503, Thanjavur Dt. in collaboration with the Department of Microbiology, Bharathidasan University, Tiruchirappalli – 620 024 on October 6, 2017.

33. **Chaired** a Technical Oral Presentation Session in the **National Symposium on "Advances in Biology of Algae and Cyanobacteria"** organized by Centre of Advanced Studies in Botany, Banaras Hindu University, Varanasi – 221 005 on 9th February, 2018.

34. **Chaired** a technical Oral Presentation Session in the "International **Conference on "Emerging areas of Biotechnology for Human Welfare and Bioentrepreneurship" organized** by the School of Life Sciences, B.S. Abdul Rahman Crescent Institute of Science & Technology, Vandalur, Chennai on 11 September 2018.

35. **Chaired** a technical Oral Presentation Session in the **National Seminar on "Recent Trends in Microbial Technology"** organized by the Department of Botany, Government college of Arts, Science & Commerce, Quepem, Goa – 403 705 on February 8 – 9, 2019.

36. **Chaired** a Plenary lecture session in the **National Seminar on Recent Trends in Biosciences organized** by the Department of Biochemistry and Microbiology in collaboration with St. Peter's Institute of Higher Education and Research, Avadi, Chennai – 600 054 on 7.8.2019.

37. **Chaired** a technical session in the "**Two Day International Conference on Innovating Pedagogy 2019: Language, Literature and Vocational Education**" organized by the Institute for Entrepreneurship and Career Development (IECD) and DDU KAUSHAL Kendra, Bharathidasan University, Tiruchirappalli 620 023 in collaboration with University Pendidikan Sultan Idris and Universiti SAINS, Malaysia on 18.8.2019.

38. **Chaired** a Prof. M. O. P. Iyengar Endowment lecture, Plenary lecture, and Oral presentation sessions in the **Prof. T.V. Desikachary Birth Centenary International Symposium on Biodiversity, Biology and Biotechnology of Algae – ISBBBA-2020** organized by CAS in Botany, University of Madras, Chennai on 8th January 2020.

39. **Co-Chaired** in the Technical session 1 - Prof. S. Kannaiyan Memorial Oration-1 on 26th August 2021 and **Chaired** in the Technical session 3- Basic Sciences – 1 on 27th August, 2021in the **First NABS-International Conference on "Life Sciences: Contemporary approaches in Biological Science for Food, Health, Nutrition Security and Conservation of Biodiversity**" organized by the Faculty of Agriculture, Annamalai University & National Academy of Biological Sciences (NABS) on August 26 -27, 2021.

40. **Chaired** a Technical session - 1 (Special Lectures) in the **National Level Conference on Biotechnology and OMICS Sciences (BIO-OMICS-2022)** organized by the Department of Biotechnology, Alagappa University, Karaikudi on 27th May, 2022.

41. **Chairperson** in a technical session on **Ethics on Science and Society** in the ***XLVI Indian Social Science Congress*** jointly organized by **Indian Social Science Academy**, Allahabad & Bharathidasan University, Tiruchirappalli – 620 024 during 27th to 31st January 2023.

42. Chaired **Prof. Harihar Patnnaik** Endowment Award lecture session in the "**National Seminar on "Algal Biodiversity and Environmental Sustainability**" organized by the PG Department of Botany, Berhampur University, Berhampur, Odisha on 21st August 2024.

43. Chairperson in a technical session on **Theme 5; Environmental Sustainability and Biodiversity Conservation** in the **National Conference on Multi-omics approach for recent innovations in Microbiology and Biotechnology** organized by the P.G. Department of Boiscience & Biotechnology, and Applied Microbiology, Fakir Mohan University, Balasore, Odissha 756 089 on 7th March, 2025.

## 29. Graduation Day Address:

1. As a Chief Guest delivered **Graduation Day address** in **Jairams College of Arts & Science** & **Jayaram College of Education**, Karur – 639 003 on August 9, 2015.
2. As a Chief Guest delivered **Graduation Day address** in **Rajagiri Dawood Batcha (RDB) College of Arts and Science** & RDB College of Education, Papanasam - 614 205, Thanjavur on 16.3. 2017.
3. As a Chief Guest delivered 23rd **Graduation Day address** in **Kamban College of Arts Science** for Women, Thiruvannamalai – 606 603 on 14.10. 2023.
4. As a Chief Guest delivered **Graduation Day address** in **Cauvery College for Women**, Tiruchirappalli – 620 018 on 25. 2. 2024.
5. As a Chief Guest delivered **Graduation Day address** in **Naina Mohamed College of Arts Science**, Rajendrapuram, Aranthangi – 614 616 on 26.2. 2024.
6. As a Chief Guest delivered **Graduation Day address** in **Jairams College of Arts Science**, Karur – 639 003 on 31.3. 2024.
7. As a Chief Guest delivered **Graduation Day address** in **Government Arts College** (Autonomous) Karur – 639 005 on 1.3. 2025.
8. As a Special Guest delivered **Felicitation Address** in the **Second Convocation Ceremony of As-Salam Islamic College**, Inamkulathur, Tiruchurappalli – 620 009 on 13th July 2025.

## 30. Resource person in the Training programme conducted:

1. **STORMCUP'92** - National level workshop on Advanced Techniques on Cyanobacterial Research. Feb. 3- 13, 1992.
2. **STORMCUP'94** - National level workshop on Advanced Techniques on Cyanobacterial Research. Jan. 31 - Feb. 11, 1994.

3. **STORMCUP'95** - National level workshop on Advanced Techniques on Cyanobacterial Research. Feb 6 – 18, 1995.
4. **STORMCUP'96** - National level workshop on Advanced Techniques on Cyanobacterial Research Feb 9 - 19, 1996.
5. **WORTIC '99**- National level workshop on Advanced Techniques on Cyanobacterial Research February 9 – 19, 1999.
6. **WORTIC,2001** - National level workshop on Advanced Techniques on Cyanobacterial Research March 19 – 30, 2001.
7. **WORTIC,2002** - National level workshop on Advanced Techniques on Cyanobacterial Research March 19 - 30 2002.
8. **WORTIC,2003** - National level workshop on Advanced Techniques on Cyanobacterial Research March 17- 30, 2003.
9. **WORTIC,2004** - National level workshop on Advanced Techniques on Cyanobacterial Research March 15- 27, 2004.
10. **WORTIC,2005**- National level workshop on Advanced Techniques on Cyanobacterial Research February 21 - March 4, 2005
11. **WORTIC,2006**- National level workshop on Advanced Techniques on Cyanobacterial Research February 20 - March 4, 2006
12. **WORTIC,2007**- National level workshop on Advanced Techniques on Cyanobacterial Research March 19 - 25, 2007.

## 31. Overseas Students Research Training:

1. **Ms. Madeleine Nina Love Ngo Mback,** Ph.D. Student of Biochemistry, **University of Yaounde**, **Cameroon** have undergone research training for six months from October 2017 to April 2018 through **C V Raman International Fellowship for African Researchers (DST, Govt. of India).**
2. **Mrs. Wafa'a Al-Rashed**, Associate Research Scientist, Kuwait Institute for Scientific Research Aquaculture, Fisheries and Marine Environmental Department, P.O. Box 1638, 22017, Salmiyah, Kuwait, have underwent a special training on basics and applied aspects of Marine Cyanobacteria and instrumentation techniques during 4 - 14 February, 2019.

## 32. Research Training to Indian Researchers.

1. **Research Training** given to **Dr. A. Panneerselvam,** Reader in Dept. of Botany and Microbiology, A.V.V.M. Sri Pushpam College Poondi, Thanjavur on Molecular biology related techniques for a period of one month (February 2004) through his **INSA-Visiting Fellowship award.**
2. **Research Training** given to **Dr. N. Mohan,** Reader, Center for Advanced Studies in Botany, University of Madras, Chennai-25 on Molecular biology related techniques (RAPD-PCR, Genomic DNA isolation) for a period from 26-09-2005 to 30-09-2005.
3. **Research Training** given to **Dr. Farista Yasmin,** Assistant Professor and her research scholar **Ms. Bharat Banti Buragohain,** Phycology Laboratory Department of Botany Nowgong College, Nagaon – 782 001, Assam on biodiversity and molecular taxonomy of microalgae during 9 to 19$^{th}$ October 2010.
4. **Research Training** given to **Ms. A. Ezhilarasi,** Research Scholar, CAS in Botany, University of Madras, Guindy, Chennai – 600 025 on molecular taxonomy of cyanobacteria (RFLP, RAPD, PCR) during September 2004.
5. **Research Training** given to **Mr. Vinod Nagle,** Research Scholar, National Institute of Oceanography, Dona Paula, Goa - 403 004, on identification of cyanobacteria during 5 – 9 December 2001.

6. **Research Training** given to **Ms. Dharitri Borah,** Research Scholar, Department of Ecology and Environmental Science, Assam University, Silchar – 788 011, Assam on molecular characterisation of cyanobacteria collected from North East India during November 2012.
7. **Research Training** given to **Ms. G. Karthika, Ms. S. Ashmitha, Ms. S. Pavithra and Ms. S. Srija,** B.Tech. Genetic Engineering students, SRM University, Kattankulathur – 603 203**,** on molecular characterisation of cyanobacteria during 18 – 29, June, 2013.
8. **Research Training** given to **Ms. S. Seema,** Research Scholar, Centre for Nanoscience and Nanotechnology, Sathyabama Institute of Science & Technology, Chennai – 600 119 on Bioinstrumentation during 26 December 2017 – 31. January 2018.
9. **Research Training** given to **Ms. P. Sivasankari,** Research Scholar, Department of Biotechnology, Kamaraj College of Engineering & Technology, Viruthunagar During 8th January – 7th February November 2018.
10. **Research Training** given to **Dr. V. Ambikapathi,** Reader in Dept. of Botany and Microbiology, A.V.V.M. Sri Pushpam College Poondi, Thanjavur on Molecular biology related techniques for a period of one month (January, 2023) through his **INSA-Visiting Fellowship award.**

## 33. Membership in Professional Societies

1. Association of Microbiologist of India., Tiruchirappalli unit (Member 1989-1999).
2. Seaweed Research and Utilization Association - Life Member from 2001
3. Member in the Editorial Board- Seaweed Research and Utilization Journal.
4. Indian Phycological Society, New Delhi (from 2006).
5. Bharathidasan University Alumni Association (BUAA) - Life Member - from 2007
6. Indian Association of Applied Microbiologists - Life Member – from August 2010
7. National Academy of Biological Sciences - Life member - from November 2010
8. Indian Science Congress Association - Life Member - from June 2012
9. Mycological Society of India - Life Member - from 28.2.2014
10. Society for Plant Research (Life Member – from 21.9.2016)
11. Member in the Editorial Board – Vegetos – An international Journal of Plant Research & Biotechnology (Thompson Reuter IF- 0.042, Scopus IF-0.18)
12. Swamy Botanical Club - Life Member from 19.9.2019
13. The Fisheries Technocrats Forum - Life Member from 31.10.2020
14. Microbiologists Society of India (MBSI) - Life Member from August 2021
15. Society of Chemical & Synthetic Biology - Life Member from September 2022
16. Indian Association of Biomedical Scientists (IABMS) - Life Member from November 2022.
17. Periyar University Alumni Assaciation (PUAA) – Life Member from January 2022.
18. Biotech Research Society, India (BRSI) – Life Member from May 2025.

## 34. Awards, Medals and Other Honours received:

### Elected Fellow

#### International

1. Elected **Fellow of Royal Society of Biology** (**FRSB**) **London** from 1st January 2022
2. Elected **Fellow of Linnean Society of London (FLS)** from 24th May, 2022

#### National

3. Elected **Fellow of National Academy of Biological Sciences (FNABS)** from 2020.
4. Elected **Fellow of Mycological Society of India (FMSI)** for the year 2021.
5. Elected **Fellow of Microbiologists Society, India (FMBSI)** for the year 2022

## Life Time Achievment Awards

1. Received **Life Time Achievement Award** for the year 2022 from the **Society of Chemicals and Synthetic Biology**
2. Received **AVRS Life Time Achievement Award** (Phycotechnology) for the year 2024 from **Antiviral Research Society**, (AVRS) during the "AVRS-International Conference on Drug Design, Discovery and Development (AVRS-ICDDD-2024)" held on 29th August 2024 at Tagore College of Pharmacy, Chennai, India.
3. Received **Life Time Devotion Award** (Microbiology) from **Microbiologist Society, India (MBSI)** during the **"International Conference on Microbial Innovations for Sustainable Agriculture and Medical Applications"** hels at School of Biological Sciences, Madurai Kamaraj University, Madurai – 625 021 on 16th December 2025.

## Other Awards

1. Awarded **Merit Certificate** from **Indian Botanical Society** (1989) in the XI Indian Botanical Conference held at Bharathidasan University, Tiruchirappalli during January 2 - 4, 1989.
2. Received **DBT Overseas Associateship Award** [Long-term] (1995-1996) from the **Dept. of Biotechnology, Govt. of India.**
3. Received **Certificate of Appreciation** from **Bharathidasan University** for the research work leading to the development of valuable new technologies in the area of Marine Cyanobacteria (2001).
4. Received **Professor Probir Chatterjee Memorial Lecture Award** 2008, from **P. Chatterjee Research Foundation, University of Calcutta**, Kolkata on 5th December, 2008.
5. Received **Best Research Advisor Award** from **Eco Club, H.H. The Rajah's Govt. College**, Pudukkottai on 8th February 2013
6. Received **Dr. G. S. Venkataraman Memorial NABS-Best Scientist Award** of **National Academy of Biological Sciences** for the year 2014.
7. Received **Tamil Nadu Scientist Award** (**TANSA-2014**) in Biological Sciences from **Tamil Nadu State Council for Science & Technology**, Government of Tamil Nadu, Chennai.
8. Received **BSR - One Time Grant** from **University Grants Commission**, New Delhi (2015–2016).
9. Received **Professor T.V. Desikachary Endowment Lecture Award** 2017, from **CAS in Botany**, **University of Madras,** Chennai on 10th January, 2017.
10. Received **Prof. M.S. Swaminathan NABS-Leadership Award** for the year 2017 from **National Academy of Biological Sciences, Pondicherry University,** Puducherry on September 27, 2019.
11. Received **Prof. V. Krishnamurthy Endowment Lecture Award** 2018 of **Seaweed Research and Utilization Association**, Madras Christian College (MCC), Chennai - 600 059, Tamil Nadu, India on 21st September 2018
12. Received **K. Chidambaram Memorial Annual Award – 2019** of **Fisheries Technocrat Forum**, Chennai for the significant and outstanding contributions in Plant Microbiology on 31st October 2020
13. Received **National Level Senior Scientist Award** from **Microbiologists Society, India (MBSI)** for the year 2021.

14. Received **Dr. V. Agnihothrudu Memorial Lecture Award** of **Mycological Society of India (MSI)** during 49th Annual meeting of MSI, Bilaspur, Chhattisgarh on 28th November, 2022.
15. Received prestigious **M.K. Nambiar Memorial Oration Award with Gold Medal** from **Indian Association of Biomedical Scientists (IABMS)** during 43rd Annual Conference of IABMS at Sri Sri University, Cuttack, Odisha, India on 19th December, 2022.
16. Received **NABS Foundation Day Lecture Award – 2023** from **National Academy of Biological Sciences** (NABS) on 10th March 2023.
17. Received **Eminent Scientist Award** from the International Conference on Recent Advances in **Animal Biology and Conservation**, University College, Thiruvananthapuram, Kerala on December 21, 2023
18. Received **Roger Stanier International Research & Academic Excellence Award 2024'** from the **International Multidisciplenary Reseach Foundation (IMRF) Excecutive Council** and IMRF International Awards Committee 2024 during United Nationas Public Service Day 2024 and the "International Symposium on Public Service through Education" organized by IMRF Institute of Higher Education and Research, Vijayavada, Andra Pradesh, India on June 22, 2024
19. Received **Community Service Award** from **Jamal Mohamed College Alumni Association** organized by its Chennai Chapter at The New College, Chennai on 23rd November 2024.
20. Received **National Life Empowerment Award 2025** from **SYPA Edudatonal Empowerment Trust**, Chennai on 4th January 2025
21. Received **Prof. P.C. Jain Memorial Award** for the year 2025 from **Mycological Society of India (MSI),** during **52nd Annual Meeting** and **National Conference on "Fungi for Bharath: Fungi for Better Health, Agriculture, Remediation and Technology"** University of Delhi, Delhi on November 20, 2025.
22. Received **Dr N Anand Endowment Lecture** Award from Centre for Advanced Studies in Botany, University of Madras, Guindy Campus, Chennai on 2nd February, 2026.
23. Received **Dr. M. A. Aleem Endowment Islamic Scientist Award** during the Founders' Day Celebrations of Jamal Mohamed College on July11, 2026
24. **Listed under Top 2% Scientist of the World** in Microbiology published by **Stanford University, USA** (2020, 2021, 2022, 2023, 2024 & 2025).

## 35. Refresher courses / Orientation Courses /Training programs attended:

1. Participated **Academic Leadership Development Program** (under **LEAP**) organized by the National Institute of Education Planning and Administration (NIEPA), New Delhi during March 13 – 21, 2020
2. Participated Four-Day **Training Programme on Academic Leadership** organised by the Human Resource Development Centre, Bharathidasan University, Tiruchirappalli – 620 023 jointly with the Centre for Academic Leadership & Educational Management (CALEM) of Aligarh Muslim University under PMMMNMTT of MHRD, Govt.of India, during April 24 - 27, 2019
3. Participated UGC – Sponsored **Two-day Workshop for Academic Administrators** on **Institutional Assessment and Accreditation** on 12 & 13 March 2018 organized by UGC-Human Resource Development Centre and Internal Quality Assurance Cell, Bharathidasan University, Tiruchirappalli – 620 024.
4. Attended **Special Laboratory Training on Flowcam, FACSAria, Flow-cytometry, GC-MS, LC-MS & Molecular Biology** at Plymouth Marine Laboratory (PML), Plymouth, United Kingdom during 14 – 21 June, 2014.
5. Participated workshop on "**Reform of Under Graduate and Post Graduate Curriculum for enhancing Employability**" organized by Curriculum Development Cell on 22.11.2012 exclusive for Chairpersons of Board of Studies, Bharathidasan University.

6. Participated **Orientation Workshop** on **SWAYAM** organized jointly by the Department of Library & Information Science and UGC - Human Resource Development Centre, Bharathidasan University, Tiruchirappalli – 620 024 on 3.5.2018.

7. Attended UGC Sponsored **Refresher Course** in Botany on 'Plant Breeding, Biotechnology and Biochemistry' conducted by the Department of Plant Science, Bharathidasan University, Tiruchirappalli from 10.03.2000 to 30.03.2000.

8.Attended UGC Sponsored **Orientation Course** on 'Value Education' conducted by Academic Staff College, Bharathidasan University, Tiruchirappalli from 21. 2. 2003 to 20. 3. 2003.

9.Attended **WOBIC** (Workshop on Bioinformatics for Cyanobacteriologists) and WORTIC (Workshop on Research Techniques in Cyanobacteriology) during March 11 – 29, 2002 organized by Bioinformatics Centre & National Facility for Marine Cyanobacteria, Bharathidasan University, Tiruchirappalli – 620 024.

10. Participated Dept. of Biotechnology (Govt. of India) sponsored "**International Bioenergy Summit 2012** - Algae & Synthetic Biology: Potential for Biofuels" organized by The Energy and Resources Institute (TERI), New Delhi – on 5 – 6 November, 2012.

11. Participated "**UK-India Industry - Academia Workshop on Bioenergy**" organized by the Department of Biotechnology (Govt. of India) and Biotechnology & Biological Sciences Research Council (BBSRC), United Kingdom on 13 - 14 February, 2014, New Delhi.

12. Participated "**Global Biotechnology Summit' 2016**" on the occasion of 30 years of Department of Biotechnology, organized by the Dept. of Biotechnology, Ministry of Science & Technology, Govt. of India during 5-6$^{th}$ February, 2016 at Vigyan Bhawan, New Delhi.

13. Participated "**Zeiss Confocal Workshop"** at Zeiss India Microscopy Division, Head Office, Bangalore – 560 099 during January 16 – 18, 2017.

14. Participated **Mission Innovation India - First Workshop on Innovation Challenge - Sustainable Biofuel Innovation Challenge"** organized by the Department of Biotechnology, Govt. of India at International Centre for Genetic Engineering and Biotechnology (ICGEB), Jawaharlal Nehru University, New Delhi, Delhi 110067 on 9$^{th}$ October 2017.

## 36.Conferences / Symposia / Refresher Course/ Summer School/ Workshops Organized:

1. Organized **National Symposium on Marine Algal Research in India – Prospect & Retrospect** jointly with Seaweed Research & Utilization Association at Bharathidasan University, Tiruchirappalli – 620 024, August 16 – 18, 2001 - As **Organizing Secretary**.

2. Organized **National Symposium on Microalgal Biotechnology**, Bharathidasan University, Tiruchirappalli – 620 024, March 11-13, 2004 – **As Organizing Secretary**.

3. Organized **UGC Sponsored Refresher Course in Microbiology** – Theme: **Recent Advances in Microbial Technology**, during November, 1 – 21, 2004 – **As Course Co-Ordinator**.

4. Organized National **Symposium on Current Scenario in Microbial Technology** Bharathidasan University, Tiruchirappalli – 620 024 during January 3 – 5, 2008 – **As Organizing Chairman.**

5. Organized National Symposium on **Microbial Biodiversity, Bioremediation and Biotechnology**, jointly with the Department of Microbiology & Biotechnology, Cauvery College, Tiruchirappalli during July 28 & 29, 2008 – **As Organizing Chairman.**

6. Organized **UGC Sponsored Special Summer School in Biosciences** for College & University Teachers during July 22 to August 11, 2008 – **As Course Co-Ordinator.**

7. Organized **"Seminar on Immunology & Immunotechnology"** jointly with Indian Immunological Society, New Delhi, at Bharathidasan University, during September 18 & 19, 2009 – **As Organizing Secretory.**

8. Organized two days' workshop on **"Advanced Molecular and Immunological Techniques in Biology"** jointly with Department of Zoology, Government Arts College for Women, Pudukkottai during 8 & 9th October, 2009.

9. Organized **"INSPIRE (In**novations in **S**cience **P**ursuit for **I**nspired **Re**search) Internship Programme sponsored by the DST (Govt. of India) for the X to XII standard students during 11-15th May, 2010 at Bharathidasan University as Course **Co-ordinator**.

10. Organized 2 days' workshop (in 2 batches) on **Entrepreneurship programme of Oyster Mushroom cultivation technology for SC/ST population in and around Tiruchirappalli District** (Sponsored by DBT, Govt. of India) during 19th – 22nd May 2010 as **Co-ordinator**.

11. Organized one-day workshop on **"Molecular tools, techniques and applications"** jointly with Research and Development Cell, A.V.C. College Mannampandal, Mayiladuthurai – 609 305 on 29th January, 2011.

12. Organized **"INSPIRE (In**novations in **S**cience **P**ursuit for **I**nspired **Re**search) Internship Programme sponsored by the DST (Govt. of India) for the XI standard students during 16- 20th May, 2011 at Bharathidasan University as Course **Co-ordinator**.

13. Organized **Indo-UK conference on** "***Shrimp aquaculture: Challenges and Innovative solutions***" funded by Royal Society, London on January 25 - 26, 2012 at Bharathidasan University, Tiruchirappalli, India – **as Convenor**

14. Organized two days "National seminar on **Microbes and Human Welfare**" jointly with the National Academy of Biological Sciences at Bharathidasan University, Tiruchirappalli - 620 024 on 20 & 21 July 2013 as **Co-ordinator.**

15. Organized National Conference on "**New Opportunities and Challenges in Microbial Research"** (MICREC-13) Bharathidasan University, Tiruchirappalli – 620 024 during September 5 – 6, 2013 – **As Organizing Chairman.**

16. Organized **"INSPIRE (In**novations in **S**cience **P**ursuit for **I**nspired **Re**search) Internship Programme sponsored by the DST (Govt. of India) for the X1 standard students during 26- 30th December, 2013 at Bharathidasan University - As Course **Co-ordinator**.

17. Organized three days "**National Conference on Progress in Algology in the Indian Context**" jointly with the Krishnamurthy Institute of Algology, Chennai at Bharathidasan University, Tiruchirappalli – 620 024 during September 19 – 21, 2014 - As **Convenor.**

18. Organized one-day workshop on **"Molecular Techniques"** jointly with PG & Research Department of Microbiology, STET Women's College, Mannargudi on 10th January, 2015.

19. Organized one-day workshop on **"DNA Finger Printing"** jointly with PG & Research Department of Botany & Microbiology, AVVM Sri Pushpam College, Poondi - 613 503, Thanjavur District on 3rdOctober, 2015.

20. Organized one-day workshop on **"Advanced Molecular Techniques - 2015"** jointly with Department of Biochemistry, Biotechnology and Microbiology, Bharathidasan University Constituent College for Women, Orathanadu – 614 625, Thanjavur District on 31st October, 2015.

21. Organized **UGC-Human Resource Development Centre (HRDC)** Sponsored **Refresher Course** in **Life Sciences**, during March, 3 – 23, 2016 – **As Course Co-Ordinator.**

22. Organized **UGC-Human Resource Development Centre (HRDC) Sponsored Refresher Course in Life Sciences**, during November 8 - 28, 2016 – **As Course Co-Ordinator.**

23. Collaborative workshop on "**Standards for Food and Water Quality examination with emphasis on Microbiological Techniques of detection, identification and enumeration of human pathogens**" organized by the Department of Microbiology, M.R. Government Arts College, Mannargudi – 614 001 during 28 - 29 December, 2016 – **As Collaborator**.

24. Co-organized two days ***National Conference on "Recent Advances in Modern Biology and Rural Development"*** **(RAMBARD-2017)"** jointly organized by the PG & Research

Department of Botany & Microbiology, AVVM Sri Pushpam College, Poondi – 613 503, Thanjavur Dt. on October 6 & 7, 2017 - **As Co-Organizer**.

25. Organized DST-PURSE Sponsored **Workshop on** "**Edible Mushroom Cultivation for Self Employment of Rural Population**" on 22nd and 23rd February 2018 – **As Convenor.**
26. Organized **UGC-Human Resource Development Centre (HRDC) Sponsored Refresher Course in Life Sciences**, during June 19 – July 9, 2018. – **As Course Co-Ordinator.**
27. Organized 4 days Training programme on **"Innovative Technology of Oyster Mushroom cultivation for self-employment of Rural population" (**Sponsored by TNSCST, Chennai) ) during February 18 – 21, 2019 as **Convenor.**
28. Organized National **Seminar on Microbes in Women Health** jointly with the Trichy Obstetric and Gynaecological Society (TRIOGS) on **July 11-12, 2019 as Organizing Chairman.**
29. Organized DST-PURSE Sponsored **International e-Conference on Cyanobacterial and Algal Biotechnology (CAB-2020)** on 18 – 20 December 2020 as **Organizing Secretary.**
30. Organized a **National Level Seminar on "Future of Algal Biotechnology**" jointly with The Microbiologists Society of India (MBSI) on June 18, 2022 at the Department of Microbiology, Bharathidasan University, Tiruchirappalli, Tamil Nadu as **Organizing Chairman.**
31. Organized an **International Seminar on Recent Trends in Biological Sciences** under **Crescent Global Outreach Mission (CGOM)** R & D, B. S. Abdur Rahman Crescent Institute of Science and Technology, Chennai -600048 in association with the Microbiologists Society, India (MBSI) on February 13, 2024 - **as Convener**
32. Organized TNSCST sponsored **International Conference on Electrochemistry: Innovations in Supercapacitors and Batteries** under **Crescent Global Outreach Mission (CGOM)** R&D, B. S. Abdur Rahman Crescent Institute of Science and Technology, Chennai -600048 on September 20 - 21, 2024 – **as Convener.**

**37. All India Radio Talk**:

1. Gave a talk on **"Marine Biotechnology-A Potential Unexploited"** broadcasted on 14.09.1989, 8.00 pm. (Ref. No. TIR-15(5) 89-P3/Y dated 28-08-1989).
2. Gave a talk in Tamil on **"Ez;ghrpfspd; gad;fs;"; (Applications of Microalgae)** broadcasted on 11.04.2004, 7.00 am. (Ref. No. TIR-15(5)/2004-P1/NF E/972 dated 29-03-2004).
3. Gave a talk in Tamil on **raNdhghf;Bhpad;fspy; caph;njhopy;El;gq;fs; - Neh;Kfk**; **(Cyanobacterial Biotechnology)** broadcasted on January 05, 2006, 8.45 am. (Ref. No. TIR-16(1)/2005-P3/SNT/6744 dated December 15, 2005).
4. Gave a talk in Tamil on **"khw;W vhpnghUs; njhopy;El;gk;"** (**Alternate Biofuel Technology**) broadcasted on February 18, 2016, 7.00 am (Ref. No. TIR-15(5)/2015/S&T dated 8 January, 2016).

**38. Acted as Doctoral Committee Member to the following Ph.D Candidates: 170 candidates**

| No. | Name of the candidates | University Reference No. |
|---|---|---|
| 1 | M. Hemalatha | 15122/Ph.D1/PT/Bot./Jan.1999 dated 14. 10, 1999 |
| 2 | U. Sellaganapathy | 08737/Ph.D1/FT/Bot./Jan.1999 dated 23. 11. 1999 |
| 3 | R. Sagayagiri | 11179/Ph.D1/FT/Bot./Jan.1999 dated 23. 11. 1999 |
| 4 | R. Vellaiyan | 004109/Ph.D. 1/PT/ Bot./Jan. 2000 dated 10.3.2000 |

| | | |
|---|---|---|
| 5 | M. Gopinathan | 17537/Ph.D1/FT/Bot./Jan.2000 dated 23. 3. 2000 |
| 6 | R. Murugan | 19086/Ph.D1/FT/Bot./Jan.2000 dated 20. 7. 2000 |
| 7 | J. John | 14415/Ph.D1/PT/Bot./Oct. 1999 dated 9. 8. 2000 |
| 8 | R. Pragash Raj | 03417/Ph.D1/FT/Zoology/Jul.2000 dated 3. 8. 2000 |
| 9 | V. Mahesh | 17945/Ph.D1/FT/Bot./Jan.2000 dated 4.9.2002 |
| 10 | Vijay Antony* | 21469/Ph.D1/FT/Int.Dis/Jan.2001 dt. 10. 4. 2001 |
| 11 | S. Mohan* | 21468/Ph.D1/FT/Int.Dis/Jan.2001 dt. 10.3.2001 |
| 12 | C. Karthikeyan* | 13898/Ph.D1/FT/Bot.Microbio./Oct.2001 dt. 23.10. 2001 |
| 13 | S. Ganesh Manikandan* | 05958/Ph.D1/FT/Bot.Microbio./Oct.2001 dt. 23.10.2001 |
| 15 | M. Veerapagu | 23951/Ph.D1/FT/Bot.Microbio./Jan.2002 dt. 24.1.2002 |
| 15 | S.S. Sudha* | 20464/Ph.D1/FT/Bot.Microbio./Jan.2002 dt. 24.1.2002 |
| 16 | R. Senthil Kumar* | 00324/Ph.D1/FT/Bot.Microbio./Jan.2002 dt. 24.1.2002 |
| 17 | K. Jayachitra* | 0014/Ph.D1/FT/Bot.Appl.Microbio./Apr.2002 dt. 16.4.02 |
| 18 | D. Dhanasekaran* | 04183/Ph.D1/FT/Bot.Microbio./Jul.2002. dt. 24.6. 2002 |
| 19 | E. Sudhakar | 25510/Ph.D1/FT/Biotech./Jan.2002 dated 17. 02. 2003 |
| 20 | G. Sathyanarayanan | 20159/Ph.D1/FT/Appl.Microbio./Jan.2002 dt 25.2.2003 |
| 22 | S. Sivasuriyan | 30404/Ph.D1/FT/Zoology/Apr. 2003 dated 25.4.2003 |
| 22 | N. Chadrakala | 25648/Ph.D1/FT/Zoology/Apr. 2003 dated 25. 4. 2003 |
| 23 | S. Vijaykumar | 17393/Ph.D1/FT/Bot./Oct.2002 dated10.4.2003 |
| 24 | K. Suresh | 18849/Ph.D1/FT/Bot./Apr.2003 dated 5. 8. 2003 |
| 25 | K. Mahesh | 00319/Ph.D1/FT/Microbiology/Apr.2003 dt 14.11.2003 |
| 26 | R. Vijaykumar* | 2631/Ph.D1/FT/Microbiology/Apr.2004 dated 13.5.2004 |
| 27 | K. Panneerselvam | 01789/Ph.D1/FT/Appl.Microbio./Apr.2003 dt. 13. 5. 2004 |
| 28 | S. Kasthuri Rengan | 25377/Ph.D1/FT/Biotechnology/Jan.2003 dt. 18.2.2004 |
| 29 | V. Mohan Srinivasa | SASTRA/DEAN(R) Doctoral Committee/2131 dt.21.4.03 |
| 30 | S. Manivannan | SASTRA/DEAN(R) Doctoral Committee/2131 dt.21.4.03 |
| 31 | N. Mahesh | SASTRA/DEAN(R) Doctoral Committee/2131 dt.21.4.03 |
| 32 | C. Subatra Devi | SASTRA/DEAN(R) Doctoral Committee/2131 dt.21.4.03 |

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| 33 | S. Vijayalakshmi | SASTRA/DEAN(R) Doctoral Committee/2131 dt.21.4.03 |
| 34 | T. Ravimanickam | 25669/Ph.D –1/Biotech/P.T/October 2004 dt. 1. 3. 2005 |
| 35 | G. Kanimozhi | 989/Ph.D – 1/ Microbiol/ F.T/April 2005 dated 6.4. 2005 |
| 36 | T. Senthilkumar | 25880/Ph.D – 1/Botany /F.T/Jan. 2005 dated 18.3.2005 |
| 37 | T. Sivakumar | 20845/Ph.D – 1/Microbiol/FT/October 2004 dt. 27.12.05 |
| 38 | S. Meenakumari | 26297/Ph.D. 1/ Biotech./ PT/ April 2004 dt 30.12. 2005 |
| 39 | A. Leela | 23007/Ph.D – 1/Biotechnol/FT/Jan. 2006 dated 09.01.06 |
| 40 | R. Jeyalakshmi | 28249/Ph.D1 /Bioinformatics/PT/Apl. 2004 dt. 29.3.2004 |
| 41 | J. Kandakumar | 24998/Ph.D–1/Biotech/FT/Re-regn./Oct.2004 dt. 30.1.06 |
| 42 | K. Karthikeyan | 6104/Ph.D. –1/FT/Botany/FT/July 2005 dated 22.03.06 |
| 43 | J. Joseph Sahaya Rayan | 3691/Ph.D - 1/Biotechn./FT/April 2005 dated 06.04.06. |
| 44 | S. Nethaji | 22428/Ph.D – 1/Mic.Biol./FT/Oct. 2005 dated 28.04.2006 |
| 45 | M. Kannahi | 26869/Ph.D. –1/Mic.Biol./FT/Jan. 2006 dated 1.06.2006 |
| 46 | M. Muthuselvam | 32266/Ph.D. –1/Mic. Biol./FT/Jan. 2006 dated 1.06.2006 |
| 47 | J.Rajesh Kumar | 15947/Ph.D. –1/Botany/P.T./jan. 2006 dated 12.06.2006 |
| 48 | P. Malaiyarasa Pandian | 29347/Ph.D1/Microb./P.T/Jan.2006/ dated 28.07.2006 |
| 49 | M.Suresh | 8794/Ph.D1/Microb/P.T/July 2006 dated 28.07.2006 |
| 50 | S. Selvakumar | 24379/Ph.D-1/Micro/PT/Oct.,2006 dated 08.11.2006 |
| 51 | K. Suthindhiran | VIT/Dir(AR)/Ph.D./SBEBS/KS/2006/004 dt. 20.11.2006 |
| 52 | T. Gnana Sakthivel | 29169/Ph.D.-1/Bioinformat/P.T./Jan. 2007 dt.27.01.2007 |
| 53. | K. Chandran | 35884/Ph.D. – 1)Bot./FT/April 2007 dated 25. 6. 2007 |
| 54. | S. Ramakrishnan | 153/Ph.D. 1/Chem / FT/ April 2005 dated 23. 4. 2007 |
| 55. | S. Ramkumar | 3307/Ph.D. 2/ Bio-Tech / PT/April 2007 dated 8.06.2007 |
| 56. | A. Vidya | 923927/Ph.D.1/Microbiotech/FT/April 2007 dt 13.6.2007 |
| 57 | A. Riyas Deen | 30508/Ph.D. 1/Ani. Sci./FT/ April 2007 dated 2. 8. 2007 |
| 58. | J. Renga Ramanujam | 19279/Ph.D1/Microb./F.T./Oct.2007 dated 14.2.2008 |
| 59 | T.L. Deepika | VIT/Dir.(AR)/Ph.D./SBCBE/&BMR/0810259 dt. 26.3.2008 |
| 60 | Benita Mercy Rajan | VIT/Dir.(AR)/Ph.D./SBCBE/&BMR/0810259 dt. 26.3.2008 |

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| 61 | S. Shakilanishi | VIT/Dir.(AR)/Ph.D/SBST/11PHD0126/1110405 dated 7.3.2012 |
| 62 | Gaurav Kumar | VIT/Dir.(AR)/Ph.D1/SBCBE/08PHD077/0811096 dt.17.12.08 |
| 63 | L. Karthic | VIT/Dir.(AR)/Ph.D1/SBCBE/08PHD076/0811097 dt.17.12.08 |
| 64 | S. Yasodhoai | 6340/Ph.D.1/Zoology/PT/July 2006 dated 17. 12. 2008 |
| 65 | J.Jakeer Prabhakaran | SRMU/D/M&HS/2009/2453 dated 4.3.2009 |
| 66 | R. Thenmozhi | 29508/Ph.D.1/Microbiology/F.T/Jan.2009 dt. 30.03.2009 |
| 67 | A. Amatussalam | 5340/Ph.D.1/Envir.Bio/P.T./July – 07 dated 3. 4. 2009 |
| 68 | D. Praveen Kumar | 2061/Ph.D.1/Microbiology/F.T./April.2009 dt. 18.5.2009 |
| 69 | P.K. Soju | 6037/Ph.D.1/Microbiology/F.T./April.2009 dt. 18.5.2009 |
| 70 | Anitha Upadhyaya | 36766/Ph.D1/Microbiology/F.T./April 2009 dt. 18.5.2009 |
| 71 | U. Ganesan | 30564/Ph.D.1/Microbiology/F.T/April'09/dt. 27. 10. 2009 |
| 72 | P. Sathish Kumar | 22911/Ph.D.1/Plant Biotech/F.T/Oct'09 dt. 1.12.2009 |
| 73. | T. Anto Thomas | 37131/Ph.D.1/Microbiology/F.T/Jan' 2010 dt. 10.5. 2010 |
| 74. | S. Thenmozhi | 5930/Ph.D.1/Microbiology/P.T/July 2010 dt. 22.7.2010 |
| 75 | R.K. Sujatha | 5928/Ph.D.1/Microbiology/P.T/July 2010 dt. 22.7.2010 |
| 76 | Rachana V Nair | 35701/Ph.D.1/Microbiology/PT/July 2010 dt. 5.8.2010 |
| 77 | Winny Fred Crossia | 4578/Ph.D.1/Microbiology/F.T/April 2010 dt. 19.8.2010 |
| 78 | V. Mahesh | KU/08 Oct 2010/ BT/Ph.D/FT/003/dt. 5.10.2010 |
| 79 | M. Ravichandran | KU/08 Oct 2010 /BT/Ph.D/FT/009/dt. 5.10.2010 |
| 80 | E.S, Adithya | KU/09 Jan 2010/BT/Ph.D/FT/001/ dt. 5.10.2010 |
| 81 | Hephzibah Christabel | KU/09 Jan 2010 /BT/Ph.D/FT/002/dt. 5.10.2010 |
| 82 | John Francis | KU/09 Jul 2010/BT/Ph.D/FT/002/dt. 5.10.2010 |
| 83 | P.K. Sajesh | KU/09 Jul 2010/BT/Ph.D/FT/003/dt. 5.10.2010 |
| 84 | K.T. Manjula | KU/09 Jul 2010/BT/Ph.D/FT/004/dt. 5.10.2010 |
| 85 | S. Vasanthi | KU/09 Jul 2010/BT/Ph.D/FT/008/dt. 5.10.2010 |
| 86 | S. Nishaa | KU/09 Oct 2010/BT/Ph.D/FT/002/dt. 5.10.2010 |
| 87 | M. Vishnupriya | KU/09 Oct 2010/BT/Ph.D/FT/003/dt. 5.10.2010 |

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| 88 | C. Gomathy | 19854/Ph.D.1/Microbiology/FT/Oct. 2010 dated 16.11.2010 |
| 89 | Ms Bency Thankappan | 18624/Ph.D.1/Micro.Biotech/FT/July 2010 dated 23.11.2010 |
| 90 | Ms. D. Asha | 14423/Ph.D.1/Microbiology/F.T./Jan.2010 dated 1.12.2010 |
| 91 | Mr. R. Bharathidasan | 16293/Ph.D.1/Microbiology/F.T./Oct.2010 dated 10.12.2010 |
| 92 | Mr. R. Thirumurugan | 14691/Ph.D.1/Microbiology/P.T/Oct.2010 dated 4.1.2011 |
| 93 | Mr.V. Baskar | 17318/Ph.D.1./Microbiology/F.T/Jan.2011 dated 3.2.2011 |
| 94 | Ms. E. Priya | 24579/ Ph.D.1./Microbiology/P.T/Jan.2011 dated 3.2.2011 |
| 95 | Ms. B. Krithiga | 25588/ Ph.D.1./Microbiology/P.T/Jan.2011 dated 28.1.2011 |
| 96 | Mr C. Rajasekar | 36035/Ph.D.1./Plant Science/F.T./Jan.2009/dated 23.2.2011 |
| 97 | Nithya Deva Krupa A | VIT/Dir.(AR)/Ph.D/SBST/10PHD0262/1101929 dt 14.6. 2011 |
| 98 | Ms. B. Vaishnavi | VIT/Dir.(AR)/Ph.D/SBST/10PHD0271/1101901 dt. 1.6. 011 |
| 99 | Ms. S. Jemimah Naine | VIT/Dir. (AR)/Ph.D/SBST/10PHD0300/1101900 dt. 1.6. 2011. |
| 100 | Mr. S. Silambarasan | VIT/Dir.(AR)/Ph.D/SBST/10PHD0465/1101952 dt. 21.6. 2011 |
| 101 | Mr. L. Ashok kumar | PU/COE/RD4/Ph.D./6055/2011 dated 27.7.2011 |
| 102 | Mr. C. Swaminathan | PU/COE/RD4/Ph.D./6052/2011 dated 27.7.2011 |
| 103 | Mr. J. Johnson | PU/COE/RD4/Ph.D./6053/2011 dated 27.7.2011 |
| 104 | Mr. P. Palanivel | PU/COE/RD4/Ph.D./6054/2011 dated 27.7.2011 |
| 105 | Mr. G. Pazhanivel | 42585/Ph.D.1/Microbiol./PT/January 2011 dated 10.8.2011 |
| 106 | Mr. P.Prabhakaran | PU/COE/RD4/Ph.D./4509/2011 dated 27.9.2011 |
| 107 | Ms. K.R. Leela | PU/COE/RD4/Ph.D./4510/2011 dated 27.9.2011 |
| 108 | Ms. C. Angaleswari | GRI-DU/AC6(S)/Ph.D/2011 – 12/ 220 dated 8.9.2011 |
| 109 | Mr. Darsan B. Menon | KU/10 Jul 2011/BT/Ph.D/FT/001/dated 17.11.2011 |
| 110 | Ms. K. Ramya | KU/10 Jul 2011/BT/Ph.D/PT/0011/dated 17.11.2011 |
| 111 | Ms. B. Uma Rani | KU/10 Jul 2011/BT/Ph.D/PT/0012/dated 17.11.2011 |
| 112 | Mr. D. Pandiaraj | 29770/Ph.D.1/Botany/Full time/October 2011 dt.12.12.2011 |
| 113 | Ms. Jaseetha A. Salam | VIT/Dir.(AR)/Ph.D/SBST/11PHD0136/1103094 dt.29.12.2011 |
| 114 | Ms. M. Nithya | 16979/Ph.D.1/Microbiology/Full Time/April2012 dt. 14.5.2012 |

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| 115 | Ms. P. Packialakshmi | 7016/Ph.D.1/Microbiology/Part Time/April 2012 dt. 29.5.2012 |
| 116 | Mr. S. Manikandan | 7244/Ph.D.1/Microbiology/Part Time/April 2012 dt. 11.6.2012 |
| 117 | Mr. K. Shine | 7643/Ph. D.1/Microbiology/full time/April 2012 dt. 29.6.2012 |
| 118 | Mr.V. Vadivel | 7270/Ph. D.1/Botany/part time/April 2012 dated 19.7.2012 |
| 119 | Mr. B. Balaperiasamy | 7642/ Ph. D.1/Botany/Full time/April 2012 dated 26.7.2012 |
| 120 | Ms. S. Jeyanthi | 18962/Ph.D.1/Marine Science/Full Time/July2012 dt. 8.8.2012 |
| 121 | Mr. G. Ashok | 34479/Ph.D.K1/Microbiol/Part Time/Oct. 2012 dt.5.11.2012. |
| 122 | Mr.V. Arun Prasath | 32807/Ph.D.K1/Microbiol/Full Time/Oct. 2012 dt. 26.11.2012. |
| 123 | Ms. B. Kayathri | 34527/Ph.D.K1/Microbiol/Part Time/Oct.2012 dt.29.11.2012 |
| 124 | Ms. S. Vijayalakshmi | 34549/Ph.D.K1/Microbiol/Full Time/Oct.2012 dt.29.11.2012 |
| 125 | Mr. S. Santhoshkumar | 38560/Ph.D.K1/Botany/Full Time/January 2013 dt.6.2.2013 |
| 126 | Mr. C. Aravindraja | AU/Research/497/Ph.D/DC&CV/2013 dated 3.4.2013 |
| 127 | J. Rathina @ Nandhini | AU/Research/498/Ph.D/DC&CV/2013 dated 3.4.2013 |
| 128 | Mr. C. Sivasankar | AU/Research/499/Ph.D/DC&CV/2013 dated 3.4.2013 |
| 129 | Mr. G. Ashwinkumar | AU/Research/500/Ph.D/DC&CV/2013 dated 3.4.2013 |
| 130 | Ms Brindha A. Hema | 6224/Ph.D.K7/Biotech/Full Time/April 2013 dt 27.4.2013 |
| 131 | Mr. M. Kannan | 7899/Ph.D. K1/Microbiol./Full Time/April 2013 dt 30.4.2013 |
| 132 | Ms M. Kanjana | 47484/Ph.D.K1/Microbiol./PartTime/January2013 dt 30.4.2013 |
| 133 | P.Muhammed Swadhikh | 7878/Ph.D.K7/Biotech./Part Time/April 2013 dated 18.7.2013 |
| 134 | Mr. K. Muniappan | AC6(S)/Ph.D./DC/2013 - 2014 dated 2.8.2013 |
| 135 | Ms.R.Priyatharshini | 18162/Ph.D.K1/Microbiology/Full Time/July2013 dt.30.8.2013 |
| 136 | Ms. M. Mahadevi | 18529/Ph.D.K1/Botany/Part Time/July2013 dt.30.8.2013. |
| 137 | Ms Merlyn Stephen | 17962/Ph.D.K1/Botany/Part Time/July 2013 dated 17.10.2013. |
| 139 | Ms. A Pauline F. Mary | 32009/Ph.D.K1/Botany/Part Time/October 2013 dt. 27.11.2013 |
| 140 | Ms. Beatrice F. Febronia | 32012/Ph.D.K1/Botany/Part Time/October 2013 dt. 27.11.2013 |

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| 141 | Mr. S. Veeramani | 45331/Ph.D.K1/Microbio/Full Time/January 2014 dt 25.4.2014 |
| 142 | Mr.K.Muthuvel Prasath | 7138/Ph.D. K1/Bioinformatics/Fulltime/April 2014 dt6.5.2014 |
| 143 | Ms. A. Shakila | 17603//Ph.D.K1/Microbio/Full Time/July 2014 dt 3.9.2014 |
| 144 | Ms. G. Buvaneswari | 17604//Ph.D.K1/Microbio/Full Time/July 2014 dt 3.9.2014 |
| 145 | Ms. G. Kavitha | 2765//Ph.D.K1/Microbio/Part Time/July 2010 dt 17.9.2014 |
| 146 | Mr. M. Vigneswaran | 32377/Ph.D.K1/Botany/Full Time/October 2014 dt.21.11.2014 |
| 147 | Ms. T. Sornalatha | AC6(S)/Ph.D./2015-16/196 dated 2.9.2015 |
| 148 | Ms. R. Carmel Mary | 32597/Ph.D. K1/Microbiology/PT/October 2015 dt. 24.11.2015 |
| 149 | Mr. S. Navamani | PU/COE/CRE-IX/Ph.D./1413/2016 dated 16.2.2016 |
| 150 | Mr. M. Narayanasamy | 45143/ Ph.D. K1/Microbiology/FT/January2016 dt. 17.2.2016 |
| 151 | Ms. M. Gowdhami | PU/COE/CRE-IX/Ph.D./1412/2016 dated 30.3.2016. |
| 152 | Mr. J. Ashok | 17152/Ph.D. K1/Botany/Full Time/July 2016 dated 26.12.2016 |
| 153 | Ms. R. Nevetha | 40482/Ph.D. K1/Bioinformatics/P T/January 2017 dt. 2.5.2017 |
| 154 | Mr. N. Anis Ahamed | 30366/Ph.D. K1/Microbiology/P.T./January 2017 dt. 15.5.2017 |
| 155 | Mr. K.A.S. Syed Ishak | 8864/Ph.D. K1/Microbiology/PT/April 2017 dated 19.6.2017 |
| 156 | Ms. S. Naseemabee | 45141/Ph.D. K1/Microbiol./FT/January2016 dated 16.8.2017 |
| 157 | Ms. N. Mahalakshmi | 42428/Ph.D1/Biotechnology/PT/October 2015 dated 21.9.2017 |
| 158 | Ms. Cybil Ignatius | 17191/PhD.K7/Zoology/PT/January 2018 dated 13.3.2018 |
| 159 | Ms. P. Saranya | 27667/Ph.D.K1/Microbiol./FT/January2018 dated 21.3.2018 |
| 160 | Ms. K. Sumaiya | 27668/Ph.D.K1/Microbiol./FT/January2018 dated 21.3.2018 |
| 161 | Ms. N. Sathammai Priya | 16424/Ph.D.K1/Microbiol./PT/October 2017 dated 11.4.2018 |
| 162 | Ms. M. S. Shabeena Banu | 05273/Ph.D.K9/Biotechnology/F.T/April 2018 dated 30.7.2018 |
| 163 | Mr. K Muthuvel Prasath | 07138/Ph.D-K3/Bioinformatics/FT/April 2014 dated 27.2.2019 |
| 164 | Ms. R Mangala Lakshmi | VIT/Ph.D/SBST/CV/16PHD0184 dated 8.3.2019. |
| 165 | Ms. Nupur Ojha | VIT/Ph.D/SBST/CV/16PHD0146 dated 8.3.2019 |
| 166 | Mrs. V. Miriam Sheba | PhD/K9/DR03/200523065720 Date : 23/05/2020 |

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|---|---|---|
| 167 | Mrs. Alpana Pande | PhD/K2/DR03/200805071815 dated 5.8.2020 |
| 168 | Ms. M. Musbira Banu | PhD/K5/DR03/201216155948 dated 16. 12.2020 |
| 169 | Mr K Vijay | RC, R1/Ph.D./R20161815/DC&CV/2021 dated 19.1.2021 |
| 170 | Mr. N. Arumugam | RC, R1/Ph.D./R20161752/DC&CV/2021 dated 19.1.2021 |

* Also acted as **Co-Guide**

[Doctoral Committee member in Bharathidasan University; Periyar University, Salem; Gandhigram Rural University, Gandhigram; SASTRA Deemed University, Thanjavur; SRM University, Kattankulathur; Vellore Institute of Technology (VIT) Vellore; Alagappa University, Karaikudi; Karpagam University, Coimbatore]

**39. Popular articles (in Tamil & English)**

1. rpg;gpf;fhshd; tsu;g;G rpwe;jJ Vd;? - j. jdNrfud;> e. mUzfphpehjd;> g. fdpnkhop> m. gd;dPu;nry;tk;> vd;. jh[_j;jPd;. – **epytsk**; 37(8): 9 – 11. 2004
2. ePyg;gr;irg;ghrp tsh;f;Fk; Kiw - j. jdNrfud;>K. m. ,e;Jkjp> gp. rptkzp> , uh[Fkhh;> m. gd;dPu;nry;tk;> vd;. jh[_j;jPd;. – **epytsk;** 37(9): 22 - 24. 2004.
3. Biofertilizers A boon to agroforestry – D. Dhanasekaran, N. Amaresan, N. Thajuddin and A. Panneerselvam. **Eco News**. 10(2): 18 – 20 (2004).
4. Bioconversion of agricultural and agro-industrial waste products into microbial protein (Single Cell Protein) - Dhanasekaran, D., Panneerselvam, A. and **Thajuddin, N**. (2004) ***Agrobios News Letter***. **2:** 9-10.
5. Potency of seaweed anticoagulant - Dhanasekaran, D., Sivamani, P., Priyadarshini, J., Rajakumar, G., Panneerselvam, A. and **Thajuddin, N.** (2005). ***Agrobios News Letter*** IV(3): 22 – 23.
6. kzpr;rj;ij epiyg;gLj;Jk; %d;W Ez;Zapupfs; - j. jdNrfud;>K.m. ,e;Jkjp> ,uh[Fkhh;> F. fUzhfud;> m. gd;dPu;nry;tk;> vd;. jh[_j;jPd;. – **epytsk**; 37(8): 12 - 13. 2005.
7. kz;GO cuk; jahhpf;Fk; Kiw- - j. jdNrfud;>K.m. ,e;Jkjp> gp. rptkzp> ,uh[Fkhh;> m. gd;dPu;nry;tk;> vd;. jh[_j;jPd;. - **epytsk;** 38(1) 18-23.
8. jior;rj;ij ms;spj;jUk; caph; cuq;fs; - j. jdNrfud;>K.m. ,e;Jkjp> gp. rptkzp> F. fUzhfud;> m. gd;dPu;nry;tk;> vd;. jh[_j;jPd;. – **epytsk**; 37(11): 16 - 17. 2005.
9. tsHe;J tUk. caphpdg; G+r;rpf;nfhy;yp Muha;r;rp - - j. jdNrfud;> K.m. ,e;Jkjp> gp. rptkzp> v];. nry;tkzp> m. gd;dPu;nry;tk;> vd;. jh[_j;jPd;– **epytsk;** 38(3)- 22-23. 2005.
10. tptrhaj;jpy; caphpdf;nfhy;yp - j. jdNrfud;>K.m. ,e;Jkjp> gp. rptkzp> F. fUzhfud;> m. gd;dPu;nry;tk;> vd;. jh[_j;jPd;. – **epytsk;** 35(2)- 25-27.
11. mNrhyh caph; cuk; tsh;g;G Kiwfs; - j. jdNrfud;>K.m. ,e;Jkjp> gp. rptkzp> ,uh[Fkhh;> m. gd;dPu;nry;tk;> vd;. jh[_j;jPd;. – **epytsk**; 37(12): 24 - 26. 2005.
12. KUq;if kUj;Jtg; gad; epiwe;j kuk; - j. jdNrfud;>K.m. ,e;Jkjp> ,uh[Fkhh;> v];. nry;tkzp> g. uFgjp> gp. rptkzp>m. gd;dPu;nry;tk;> vd;. jh[_j;jPd;. – **epytsk;** 38(6)- 18-20. 2005.
13. rHf;fiu Nehiaj; jLf;Fk; rPdpj;Jsrp - - j. jdNrfud;>K.m. ,e;Jkjp> ,uh[Fkhh;> v];. nry;tkzp> g. uFgjp> gp. rptkzp>m. gd;dPu;nry;tk;> vd;. jh[_j;jPd;. – **epytsk;.** 38(9). 2-4. 2005
14. raNdhghf;Bupah – vd;d? vq;F? Vd;? vt;thW? vjw;F? –vd; jh[_j;jPd;. **mwptpay; G+q;fh.** 2006 1(3): 16 – 18.
15. NfhopfSf;F Vw;gLk; Neha;fSk; fl;Lfg;gLj;Jk; KiwfSk;- j. jdNrfud;>K.m. ,e;Jkjp> Nfh. ,uh[Fkhh;> v];. nry;tkzp> gp. rptkzp>m. gd;dPu;nry;tk;> vd;. jh[_j;jPd;.– **epytsk;.** 38(12)- 6-8. 2006.

16. nts;shLfs; tsHf;Fk; Kiw- j. jdNrfud;>K.m. ,e;Jkjp> Nfh. ,uh[Fkhh;> v];. nry;tkzp> gp. rptkzp>m. gd;dPu;nry;tk;> vd;. jh[_j;jPd;. – **epytsk;.** 38(10). 27-29. 2006.

17. Kay; tsHg;G: Fiwe;j guhkhpg;gpy; ey;y yhgk; jUk; njhopy;- - j. jdNrfud;> g. uFgjp K.m. ,e;Jkjp> v];. nry;tkzp>Nfhgpfz;zh> gp. rptkzp>m. gd;dPu;nry;tk;> vd;. jh[_j;jPd;.– **epytsk**;. 38(2). 14-17. 2006.

18. tPLfspy; Nfhop tsHf;Fk; Kiw- j. jdNrfud;>K.m. ,e;Jkjp> Nfh. ,uh[Fkhh;> v];. nry;tkzp> gp. rptkzp>m. gd;dPu;nry;tk;> vd;. jh[_j;jPd;. – **epytsk;.** 39(3). 14-15. 2006.

19. Fiwe;j guhkhpg;gpy; epiwe;j tUtha; jUk; nrk;kwp MLfs;- j. jdNrfud;>K.m. ,e;Jkjp> ,uh[Fkhh;> gp. rptkzp> v];. nry;tkzp> m. gd;dPu;nry;tk;> vd;. jh[_j;jPd;–**epytsk;** 38(11)-30-32. 2005.

20. GNuhFNshud; - Xh; mjpra Ez;Zapup - vd; jh[_j;jPd;. **mwptpay; G+q;fh**. 2007

21. Biological research in the *Euphorbia fusiformis* – A Rhizomatous medicinal plant. – (2007) D. Natarajan, M. Prabakaran, A. Panneerselvam & N. Thajuddin – **Herbal Tech Industry** 3(4): 24 – 25.

22. MNuhf;fpa tho;tpw;F rpg;gpf;fhshd; - nra;Kiw tpsf;f ifNaL - j. jdNrfud;> m. gd;dPu;nry;tk;> vd;. jh[_j;jPd;.

23. rpg;gpf;fhshd; tsu;g;G njhopy;El;gtpay; - nra;Kiw tpsf;f ifNaL - vd;. jh[_j;jPd;> j. jdNrfud;> 2010. ghujpjhrd; gy;fiyfof Ez;Zapupay; Jiwapd; ntspaPL. 2010.

**40.Other Academic Activities**:

1. **President,** Bharathidasan University Alumni Association, Tiruchirappalli (2007 - 2011).
2. **Editorial Committee Member** – Seaweed Research & Utilization Journal.
3. **Editorial Committee Member –** Journal of Algal Biomass and Utilization.
4. **Member –Internal Quality Assurance** Cell (IQAC) Bharathidasan University.
5. **Executive Member** in Association of Microbiologists of India, Tiruchirappalli Unit (1989-1999).
6. **Member** - **Executive Council**, National Academy of Biological Sciences (NABS)
7. **Member** - University UG/PG Microbiology **Inspection Commission**, Bharathidasan University
8. **Chairman**, **Board of Studies in Microbiology**, Bharathidasan University. (from 2007- June 2015)
9. **Chairman, Board of Studies in Microbiology**, Alagappa University, Karaikudi (from March 2016 – February 2019.
10. **Member Secretary, Institutional Biosafety Committee** (IBSC) Bharathidasan University (from 2016 – 2022).
11. **Member Secretary, Institutional Ethical Committee** (IEC) Bharathidasan University (from 2018 – 2022).
12. **Member in Board of Studies** in **Periyar University**, Salem; **Alagappa University**, Karaikudi; **Madurai Kamaraj University**, Madurai; **Thiruvalluvar University**, Vellore; **Bharathiar University**, Coimbatore; **Gandhigram Rural Instutute**, Deemed University, Gandhigram, Dindigul District; **Kerala University of Fisheries and Ocean Studies**, Kochi, Kerala; **Mother Teresa Women's University**, Kodakanal; **Pondicherry University**, Puduchery; **AVVM Sri Pushpam College** (Autonomous) Poondi, Thanjavur Dt.; **Dr. G.R. Damodaran College of Science**, Coimbatore; **Jamal Mohamed College**, Tiruchirappalli; **National College**, Tiruchirappalli; **Auxillium College**, Vellore; **Lady Doak College**, Madurai; **AVC College**, Mayiladuthurai; **Thassim Beevi Abdul Kader College for Women**, Kilakarai, Ramnad District; **Srimad Andavan Arts & Science College**, Tiruchirappalli; **Vivekananda College**, Tiruchengode; **KSR College**, Tiruchengode; **Selvam Arts & Science College**, Namakkal; **Government Arts College,** Karur, **J.J. College of Arts & Science**, Pudukkottai; **Bishop Heber College**, Tiruchirappalli, **Cauvery College**, Tiruchirappalli.
13. **Examiner – Ph.D. Thesis evaluation** / ***Viva voce*** - ***University of Madras***, Chennai; ***Madurai Kamaraj University***, Madurai; ***Manonmanium Sundaranar University***, Thirunelveli; ***Annamalai University***,

Chidambaram; ***Bharathiar University***, Coimbatore; ***Periyar University***, Salem; ***Alagappa University***, Karaikudi; ***University of Calicut,*** Calicut; Kerala, ***University of Kerala***, Tiruvananthapuram, Kerala; ***Pondicherry University***, Puducherry; ***Jamia Millia Islamia University***, New Delhi; ***Bundelkhand University***, Jhansi; ***University of Mysore***, Mysore; ***University of Calcutta***, Kolkotta; ***Jawaharlal Nehru Technological Universit***y, Hyderabad; ***Anna University***, Chennai; ***VIT University***, Vellore; ***SRM University***, Katankulathur; ***Gauhati University***, Assam; ***Berhampur University***, Odisha; ***Noorul Islam University***, Kumaracoil; ***Bangalore University***, Bangalore; ***Sri Venkateswara University***, Tirupathi***; Mother Teresa Women's University***, Kodakanal; ***Avinashilingam Institute for Home Science and Higher Education for Women***, Coimbatore; ***Punjabi University,*** Patiala, Punjab; ***Punjab University***, Chandigarh, Punjab; ***Rastrasant Tuhadoji Maharaj Nagpur University,*** Nagpur; ***North Maharahstra University***, Jalgaon, Maharastra. **Savitribai Phule Pune University**, Pune; **Swami Ramanand Teerth Marathwada University**, Nanded, Maharastra; **North Orissa University**, Odisha; **JAIN** (Deemed-to-be University), Bengaluru, **University of Mumbai**, Mumbai, **Yenepoya** (Deemed to be University) Mangalore, **C.G. Bhakta Institute of Biotechnology** (Deemed to be University), Surat, **Mangalore University,** Mangalore, **Thiruvalluvar University,** Vellore, **Sam Higginbottom University of Agriculture, Technology and Sciences**, Prayagraj, U.P, **Institute of Advanced Study in Science & Technology (IASST)**, Guwahatti, Assam, **Visva-Bharati**, Santiniketan. **The University of Burdwan,** Burdwan, West Bengal. **Jawaharlal Nehru University,** New Delhi, **Banaras Hindu University**, Varanasi.

14. **University Representative** to the **Academic Council**, Govt. Arts College (Autonomous), Kumbakonam (2006 - 2008), Holy Cross College (Autonomous), Tiruchirappalli (2015 – 2017), Government Arts College, Karur (2017 – 2020)
15. **Member - Research Advisory Committee**, Ponnaiyah Ramajeyam College of Arts and Science, Thanjavur.
16. **Member – Research Advisory Committee** – Vivekananda Institute of Algal Technology, RKM Vivekanandha College, Mylapore, Chennai.
17. **University Nominee** to the **College Committee** of National College, Tiruchirappalli - 620 001 for a period of three years (8.1.2008 – 7.1.2011).
18. **Member**, **Expert committee** for evaluation of research projects on Microbiology, University Grants Commission (UGC), New Delhi – 110 002 – December 29, 2014
19. **Member – Mid-term monitoring committee (UGC**) - A Centre with Potential for Excellence in Particular Area (CPEPA), Mysore University, Mysore.
20. **Member – Advisory Committee** (UGC) – SAP – DRS II (2014 - 2019) – Department of Molecular biology and Biotechnology, Tezpur University, Tezpur – 784 028, Assam.
21. **Chairman – Project Monitoring Committee** MoEF - CC (Ministry of Environment, Forests & Climate Change)- Department of Microbiology & Biotechnology, Bangalore University, Bangalore.
22. **Member** - **Executive Committee**, Bharathidasan University, Business Development Centre (BDU-BDC) from 9.7. 2015.
23. **Member** - **Executive Committee**, Institute of Entrepreneurs and Carrier Development (IECD) Bharathidasan University.
24. **University Nominee** to the College Committee of Tamilvel Umamaheahwaranar Karanthai Arts College, Thanjavur – 613 002 for a period of three years (16.3.2016 – 15.3.2019).
25. **University Nominee** to the College Committee of St. Joseph's College, Tiruchirappalli - 620 002 for a period of three years (30.8.2016 – 29.8.2019).
26. **Member – Instrument Purchase Committee**, Bharathidasan University Constituent & Model Colleges, Bharathidasan University from 2.12.2016.
27. **University Nominee** to the Dhanalakshmi Srinivasan College of Arts and Science for Women, Perambalur – 621 212 for a period of three years (25.1.2017 to 24.1.2020).
28. **University Nominee** to the College Committee of Jamal Mohamed College, Tiruchirappalli - 620 020 for a period of three years (30.1. 2018 – 29.1. 2021).
29. **Member** - **Institutional Animals Ethics Committee** (**IAEC**) for the period of 5 years from 27th April 2018.

30. **Member** - **Faculty Selection Committee and CAS selection committee** in Bharathidasan University, Periyar University, Alagappa University, Manonmaniam Sundaranar University and Thiruvalluvar University and few governments aided and self-financing colleges
31. **University Representative** to the **Academic Council** of Govt. Arts College for Women (Autonomous), Pudukkottai – 622 001 for the period of 3 years from 19.2.2019.
32. **Member – Research Committee**, Bharathidasan University for the period of 3 years from 6th August, 2019..
33. **University Representative** to the **Governing Body** of Cauvery College (Autonomous), Annamalai Nagar, Tiruchirappalli – 620 018.
34. **University Representative** to the **Academic Council** of Periyar E.V.R. College (Autonomous), Tiruchirappalli – 620 023 for the period of 3 years from 24.7.2019.
35. **UGC-Representative** for Extension of Autonomous status to Thanthai Hans Roever College (Autonomous) Perambalur (29.3.2021).
36. **Member – TANSA** Award Selection committee (Biological Sciences) of Tamil Nadu State Council for Science & Technology (TNSCST),during the years **2020, 2021, 2022 & 2023**.
37. **Special Invitee** for Dept. of Science & Technology (DST) **SERB - POWER** (Promoting Opportunities for Women in Exploratory Research) for preliminary screening committee for Life Science projects (January 20 – 22, 2022).
38. **Member, DST – SERB - IRHPA Task Force** for establishing National Biosafety Level-3 Facilities (BSL / ABSL 3. (From 22 February, 2022).
39. **Hon'ble Governor-Chancellor nominee** - Member of the Planning Board of Bharathidasan University for a period of three years from 18.02.2022.
40. **Coordinator** - High Level Committee's Sub Committee of the Tamil Nadu Education Policy High Level Committee for the Topic: 11 "Research"
41. **Membe**r - High Level Committee's Sub Committee of the Tamil Nadu Education Policy High Level Committee for Higher Education Topic: – Vision, Structure and Function.
42. **Member** – Academic Council of Tamil Nadu Open University for three years from 16 October, 2024 to 15 October, 2027..

## 41 . Reviewer in International & National level journals

| No. | Journal Name | Publisher |
|---|---|---|
| 1 | Arabian Journal of Chemistry | Elsevier |
| 2 | Applied Biochemistry & Biotechnology | Springer |
| 3 | Aquaculture | Elsevier |
| 4 | Bioprocess and Biosystems Engineering | Springer |
| 5 | Current Pharmaceutical Biotechnology | Bentham Science |
| 6 | Current Science | Current Science Association, India |
| 7 | Enzyme and Microbial Technology | Elsevier |
| 8 | Ecological Engineering | Elsevier |
| 9 | Europian Journal of Integrative Medicine | Elsevier –B.V. |
| 10 | Ecotoxicology and Environmental Safety | Elsevier –B.V. |
| 11 | Green Chemistry Letters and Reviews | Taylor & Francis |
| 12 | Indian Journal of Geo-Marine Sciences | CSIR |

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|---|---|---|
| 13 | Industrial & Engineering Chemistry Research | ACS |
| 14 | IET Nanobiotechnology | IET, UK |
| 15 | Journal of Nanoparticle Research | Springer |
| 16 | Journal of Saudi Chemical Society | Elsevier –B.V. |
| 17 | Journal of Photochemistry & Photobiology B: Biology | Elsevier |
| 18 | Journal of Experimental and Integrative Medicine | - |
| 19 | Journal of Environmental Management | Elsevier |
| 20 | Materials Science and Engineering C | Elsevier B.V. |
| 21 | Materials Research Bulletin | Elsevier |
| 22 | Natural Product Research | Taylor & Francis |
| 23 | Nanomedicine: Nanotechnology, Biology, and Medicine | Elsevier |
| 24 | Process Biochemistry | Elsevier |
| 25 | Phykos | Phyco. Soc. of India |
| 26 | Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy | Elsevier |
| 27 | Seaweed Research and Utilization Journal | SRUA, India |
| 28 | VEGETOS: An International Journal of Plant Research and Biotechnology | Springer |

## 42: Journal Editor

**EDITOR OF THE SPECIAL ISSUE - KAVAKA Journal (**Mycological Society of India) **VOLUME 60, ISSUE 2 (JUNE) 2024** ISSN 0379-5179 **http://www.kavaka.fungiindia.co.in**

## 43. Details of 16S rRNA, 18S rRNA, 28S rRNA, ITS regions, Group I Self Splicing Introns, cpcB genes, Calmodulin genes &Viral genes deposited in the GenBank (NCBI, EMBL & DDBJ)

| Sl. No. | Microbial taxa used for Sequencing with GenBank Accession Numbers. (NCBI, EMBL & DDBJ) | No. of sequences deposited |
|---|---|---|
| 1 | MARINE CYANOBACTERIA | 58 |
| 2 | FRESH WATER CYANOBACTERIA | 177 |
| 3 | CYANOBACTERIAL PHYCOCYANIN GENES | 17 |
| 4 | MICROCYSTIN SYNTHASE (McyE) GENE | 1 |
| 5 | Cyanobionts in LICHENS | 3 |
| 6 | Cyanobionts in CYCADS | 18 |
| 7 | *Cyanobionts in AZOLLA* | *12* |
| 8 | CYANOBACTERIAL GROUP I SELF SPLICING INTRONS | 26 |
| 10 | ACTINOBACTERIA | 43 |

| | | |
|---|---|---|
| 11 | BACTERIA | 167 |
| 12 | SUBSURFACE BACTERIA | 32 |
| 13 | FUNGI (18S rRNA/ITS Sequences) | 59 |
| 14 | MICROALGAE (18S rRNA / ITS Sequences) | 64 |
| 15 | MICROZOOPLANKTON / PROTOZOANS | 2 |
| 16 | VIRAL SEQUENCES | 8 |
| | Total number of sequences deposited | 687 |

For Details Visit: https://www.ncbi.nlm.nih.gov/nuccore/?term=Thajuddin

| No. | Microbial taxa used for 16S rRNA Sequencing | GenBank Accession Nos. (NCBI, EMBL & DDBJ) |
|---|---|---|
| | **MARINE CYANOBACTERIA** | |
| 1. | *Spirulina subsalsa* BDU30311 (clone T7) | DQ080030 |
| 2. | *Spirulinasubsalsa* BDU30311 (clone SP6) | DQ080031 |
| 3 | *Spirulina subsalsa* NTDM21 | GU585848 |
| 4 | *Oscillatoria salina* BDU40102 (clone T7) | DQ080032 |
| 5 | *Oscillatoriasalina* BDU40102 (clone SP6) | DQ080033 |
| 6 | *Oscillatoria formosa* BDU91041 | DQ845199 |
| 7. | *Oscillatoria boryana* BDU92181 | DQ845200 |
| 8 | *Oscillatoria willei* BDU 130461 | EF061317 |
| 9 | *Phormidium angustissimum* KMD34 | EF061316 |
| 10. | *Oscillatoria laete-virens* BDU100891 | EF420110 |
| 11 | *Leptolyngbya valderiana* BDU140842 | EF420111 |
| 12 | *Leptolyngbya fragilis* BDU42911 | EF420112 |
| 13. | *Phormidium corium* BDU 30241 | EF420113 |
| 14 | *Phormidium tenue* BDU 40061 | EF420114 |
| 15 | *Phormedium tenue* NTDM05 | GU585847 |
| 16. | *Pseudanabaena schmidlei* BDU 20761 | EF544989 |
| 17. | *Nostoc calcicola* BDU 40302 | EF544990 |
| 18 | *Scytonema crustaceum* BDU 40142 | EF544991 |
| 19 | *Calothrix contarenii* BDU 40141 | EF544992 |
| 20 | *Phormidium tenue NTIA 08* | EU753257 |
| 21 | *Myxosarcina* sp. NTIA 05 | EU583792 |
| 22 | *Oscillatoria boryana NTAS01* | GU186910 |
| 23 | *Oscillatoria sp. BDU 141541* | GU186901 |
| 24 | *Synechococcus elongatus BDU 30312* | GU186900 |
| 25 | *Phormidium lucidum BDU 10141* | GU186899 |
| 26 | *Leptolyngbya valderiana BDU 41001* | GU186898 |

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|---|---|---|
| 27 | *Oscillatoria sp. BDU 142191* | GU186897 |
| 28 | *Jaaginema subtilissimum BDU 92183* | GU186896 |
| 29 | *Phormidium minnesotense BDU 70492* | GU186895 |
| 30 | *Synechococcus elongatus BDU 70542* | GU186894 |
| 31 | *Synechococcus elongates* BDU 130192 | GU186893 |
| 32 | *Myxosarcina sp. BDU 60881* | GU186892 |
| 33 | *Gloeocapsopsis crepidinum BDU 20372* | GU186891 |
| 34 | *Chroococcus sp. BDU 20231* | GU186890 |
| 35 | *Chroococcus minor BDU 91342* | GU186889 |
| 36 | *Phormidium willei* NTDM01 | GU812858 |
| 37 | *Jaaginema pseudogeminatum* NTMP02 | GU812857 |
| 38 | *Phormidium chlorinum* NTMP01 | GU812856 |
| 39 | *Phormedium tenue* NTDM05 (cpcB gene) | JF421685 |
| 40 | *Geitlerinema amphibium* SGBRA06 | JQ231278 |
| 41 | *Oscillatoria sp*. SGBRA05 | JQ083643 |
| 42 | *Oscillatoria subbrevis* SGBRA04 | JQ083642 |
| 43 | *Oscillatoria boryana* NTDM11 | JQ867393 |
| 44 | *Planktothrix* sp. NTRD01 | JQ867394 |
| 45 | *Leptolyngbya valderiana* NTDM10 | JQ867392 |
| 46 | *Oscillatoria boryana*NTDV18 | JQ928410 |
| 47 | *Phormidium persicinum* NTDP01 | KC859032 |
| 48 | *Synechococcus sp.* NTDP03 | KC859033 |
| 49 | *Pseudanabaena sp.* NTDP02 | KC875240 |
| 50 | *Oscillatoria boryana* NTDP06 | KC849704 |
| 51 | *Oscillatoria acuminata* NTAPC05 | KF469280 |
| 52 | *Geitlerinema sp.* NTRI68 | KP030751 |
| 53 | *Leptolyngbya sp.* NTRI37 | KP030752 |
| 54 | *Trichodesmium erythraeum* NTDV13 | KM657226 |
| 55 | *Chroococcidiopsis sp.* NTDV27 | KM657210 |
| 56 | *Chroococcus minor* NTDV53 | KM657213 |
| 57 | *Phormidium boryanum NTRI09* | KP120694 |
| 58 | *Trichodesmium* sp. MBDU 524 | KX002033 |
| **FRESH WATER CYANOBACTERIA** | | |
| 1 | *Westiolopsisprolifica* AVVMSPC01 | DQ208679 |
| 2 | *Westiolopsisprolifica* AVVMSPC02 | DQ208680 |
| 3 | *Oscillatoriabrevis* AVVMSPC03 | DQ208681 |
| 4 | *Oscillatoriabrevis* AVVMSPC04 | DQ208682 |
| 5 | *Oscillatoriaearlei* NTAP010 | DQ308544 |
| 6 | *Oscillatoriaearlei* NTAP016 | DQ308545 |
| 7 | *Oscillatoria acuminata* NTDM04 | GU812860 |
| 8 | *Phormidium animale* NTMP03 | GU812859 |

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|---|---|---|
| 9 | *Lyngbya* sp. NTMS10 | HQ219685 |
| 10 | *Chroococcus* sp. NTMS09 | HQ219684 |
| 11 | *Calothrix* sp. NTMS08 | HQ219683 |
| 12 | *Dolichospermum* flos-aquae NTMS07 | HQ219682 |
| 13 | *Chlorogloeopsis fritschii* NTMS06 | HQ219681 |
| 14 | *Scytonema* sp. NTMS05 | HQ219680 |
| 15 | *Oscillatoria* sp. NTMS04 | HQ219679 |
| 16 | *Mastigocladus laminosus* NTMS03 | HQ219678 |
| 17 | *Oscillatoria acuminata* NTMS02 | HQ219677 |
| 18 | *Oscillatoria boryana* BRIP02 | HQ738569 |
| 19 | *Jaaginema pseudogeminatum* BRIP01 | HQ738568 |
| 20 | *Microcystis aeruginosa* NTMS11 | HQ537431 |
| 21 | *Oscillatoria acuminata* NTDM04 (cpcB gene) | JF421687 |
| 22 | *Phormidium animale* NTMP03 (cpcB gene) | JF421686 |
| 23 | *Geitlerinema amphibium* NTSM02 | JN402964 |
| 24 | *Oscillatoria nigroviridis* NTRI01 (cpcB) | JX294543 |
| 25 | *Cylindrospermum muscicola*AUS-JR/DB/NT-001 | JX532723 |
| 26 | *Nostoc commune* AUS-JR/DB/NT-004 | JX961684 |
| 27 | *Anabaena iyengarii* var. *tenuis* AUS-JR/DB/ NT -002 | JX961682 |
| 28 | *Planktothrix cryptovaginata* AUS-JR/DB/NT-005 | KC135873 |
| 29 | *Nostoc commune* AUS-JR/DB/NT-003 | JX961683 |
| 30 | *Nostoc spongiaeforme* AUS-JR/DB/NT-007 | KC556806 |
| 31 | *Nostoc verrucosum* AUS-JR/DB/NT-006 | KC556805 |
| 32 | *Nostoc hatei*AUS-JR/DB/NT-008 | KC800917 |
| 33 | *Cylindrospermum muscicola* AUS-JR/DB/NT-011 | KC800920 |
| 34 | *Westiellopsis prolifica* AUS-JR/DB/NT-010 | KC800919 |
| 35 | *Nostoc muscorum* AUS-JR/DB/NT-009 | KC800918 |
| 36 | *Scytonema hofmanni* AUS-JR/DB/NT-012 | KF018673 |
| 37 | *Scytonema schmidlei* AUS-JR/DB/NT-013 | KF018674 |
| 38 | *Nostoc calcicola* AUS-JR/DB/NT-014 | KF018675 |
| 39 | *Nostoc paludosum* AUS-JR/DB/NT-015 | KF018676 |
| 40 | *Nostoc carneum* AUS-JR/DB/NT-016 | KF018677 |
| 41 | *Westiellopsis prolifica* AUS-JR/DB/NT-017 | KF018678 |
| 42 | *Westiellopsis sp.* AUS-JR/DB/NT-018 | KF018679 |
| 43 | *Nostoc sp.* TLPVC12C | KF261308 |
| 44 | *Phormidium sp.* NTDV11 | KF261309 |
| 45 | *Nostoc spongiaeforme* NTAS04 | KC886286 |
| 46 | *Calothrix brevissima* AUS-JR/DB/NT-026 | KF322166 |
| 47 | *Calothrix brevissima* AUS-JR/DB/NT-025 | KF322165 |
| 48 | *Tolypothrix bouteillei* AUS-JR/DB/NT-024 | KF322164 |
| 49 | *Calothrix elenkinii* AUS-JR/DB/NT-023 | KF322163 |

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|---|---|---|
| 50 | *Calothrix linearis* AUS-JR/DB/NT-022 | KF322162 |
| 51 | *Cyanothece epiphytica* AUS-JR/DB/NT-021 | KF322161 |
| 52 | *Hydrocoryne spongiosa* AUS-JR/DB/NT-020 | KF322160 |
| 53 | *Nostoc humifusum* AUS-JR/DB/NT-019 | KF322159 |
| 54 | *Phormidium tergestinum* NTAS 11 | KF516014 |
| 55 | *Oscillatoria tenuis* NTAS 06 | KF516015 |
| 56 | *Nostoc* sp. NTAS 10 | KF516016 |
| 57 | *Oscillatoria* sp. NTAS 08 | KF516017 |
| 58 | *Leptolyngbya boryana* NTRI02 | KF536582 |
| 59 | *Oscillatoria sp.* NTRI03 | KF536583 |
| 60 | *Oscillatoria sp.* NTRI04 | KF536584 |
| 61 | *Leptolyngbya sp.* NTRI05 | KF536585 |
| 62 | *Oscillatoria tenuis* NTRI06 | KF536586 |
| 63 | *Geitlerinema* sp. NTAS 05 | KF555560 |
| 64 | *Scytonema hofmanni* NTAS 07 | KF555561 |
| 65 | *Nostoc* sp. NTAS 08 | KF555562 |
| 66 | *Anabaena* sp. NTAS 01 | KF555563 |
| 67 | *Synechocystis aquatilis* NTAS 02 | KF555564 |
| 68 | *Chroococcus aphanocapsoides* NTRI07 | KF752432 |
| 69 | *Geitlerinema* sp. NTRI08 | KF752433 |
| 70 | *Phormidium boryanum* NTRI09 | KF752434 |
| 71 | *Pleurocapsa sp.* NTRI10 | KF752435 |
| 72 | *Pleurocapsa* sp. NTRI11 | KF752436 |
| 73 | *Geitlerinema* sp. NTRI12 | KF752437 |
| 74 | *Phormidium sp.* NTRI13 | KF752438 |
| 75 | *Spirulina subsalsa* NTRI14 | KF752439 |
| 76 | *Chroococcidiopsis sp*. NTRI16 | KF752440 |
| 77 | *Chroococcidiopsis* sp. NTRI15 | KF752441 |
| 78 | *Oscillatoria* sp. NTRI17 | KF752442 |
| 79 | *Geitlerinema pseudacutissimum* NTRI18 | KF985039 |
| 80 | *Geitlerinema calcuttense* NTRI19 | KF985040 |
| 81 | *Oscillatoria tenuis* NTEB41 | KJ741393 |
| 82 | *Anabaena iyengarii* AUS-JR/BS/MS/NT-048 | KP052615 |
| 83 | *Nostoc ellipsosporum* AUS-JR/BS/MS/NT-049 | KP052616 |
| 84 | *Westiellopsis prolifica* AUS-JR/BS/MS/NT -050 | KP052617 |
| 85 | *Hapalosiphon hibernicus*AUS-JR/BS/MS/NT-51 | KP052618 |
| 86 | *Hapalosiphon hibernicus*AUS-JR/BS/MS/NT-052 | KP052619 |
| 87 | *Calothrix marchica* AUS-JR/BS/MS/NT-053 | KP052620 |
| 88 | *Anabaena variabilis* AUS-JR/BS/MS/NT-054 | KP052621 |
| 89 | *Nostoc commune* AUS-JR/BS/MS/NT-055 | KP052622 |
| 90 | *Nostoc spongiaeforme* AUS-JR/BS/MS/NT-056 | KP052623 |

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|---|---|---|
| 91 | *Nostoc punctiforme* AUS-JR/BS/MS/NT-057 | KP052624 |
| 92 | *Hapalosiphon intricatus*AUS-JR/BS/MS/NT-058 | KP052625 |
| 93 | *Hapalosiphon intricatus*AUS-JR/BS/MS/NT-059 | KP052626 |
| 94 | *Cylindrospermum muscicola*AUS-JR/BS/MS/NT-60 | KP052627 |
| 95 | *Calothrix fusca* AUS-JR/BS/MS/NT-061 | KP052628 |
| 96 | *Anabaena ambigua* AUS-JR/BS/MS/NT-062 | KP052629 |
| 97 | *Nostoc muscorum* AUS-JR/BS/MS/NT-063 | KP052630 |
| 98 | *Calothrix braunii* AUS-JR/BS/MS/NT-064 | KP052631 |
| 99 | *Gloeocapsa polydermatica*AUS-JR/BS/MS/NT-065 | KP052632 |
| 100 | *Nostoc spongiaeforme* AUS-JR/BS/MS/NT-066 | KP052633 |
| 101 | *Anabaena subcylindrica* AUS-JR/BS/MS/NT-067 | KP052634 |
| 102 | *Nostoc commune* AUS-JR/BS/MS/NT-068 | KP052635 |
| 103 | *Anabaena fertilissima* AUS-JR/BS/MS/NT-069 | KP052636 |
| 104 | *Anabaena flos-aquae* AUS-JR/BS/MS/NT-070 | KP052637 |
| 105 | *Anabaena circinalis* AUS-JR/BS/MS/NT-071 | KP052638 |
| 106 | *Phormidium fragile* AUS-JR/BS/MS/NT-072 | KP052639 |
| 107 | *Planktothrix geitleri* AUS-JR/BS/MS/NT-073 | KP052640 |
| 108 | *Nostoc linckia* AUS-JR/BS/MS/NT-074 | KP052641 |
| 109 | *Anabaena oryzae* AUS-JR/BS/MS/NT-075 | KP052642 |
| 110 | *Hapalosiphon welwitschii*AUS-JR/BS/MS/ NT-076 | KP052643 |
| 111 | *Dolichospermum spiroides*AUS-JR/SD/MS/NT-045 | KP052644 |
| 112 | *Anabaena gelatinicola* AUS-JR/SD/MS/NT-046 | KP052645 |
| 113 | *Nostoc piscinale* AUS-JR/SD/MS-047/NT-047 | KP052646 |
| 114 | *Mastigocladus* sp. NTDV08 | KM406474 |
| 115 | *Oscillatoria tenuis NTRI20* | KP030747 |
| 116 | *Nodosilinea sp. NTRI45* | KP030748 |
| 117 | *Phormidium sp. NTRI60* | KP030749 |
| 118 | *Leptolyngbya* sp. NTRI66 | KP030750 |
| 119 | *Synechocystis aquatilis* NTDV12 | KM657206 |
| 120 | *Oscillatoria sp.* NTGM13 | KM657209 |
| 121 | *Chroococcidiopsis sp.* NTDV40 | KM657212 |
| 122 | *Leptolyngbya* sp. AUS-JR/SD/MS/NT-049 | KT277488 |
| 123 | *Microchaete tenera* AUS-JR/SD/MS/NT-048 | KT277487 |
| 124 | *Westiellopsis* sp. TLPVC01 | KM406475 |
| 125 | *Phormidium* sp. NTVKA04 | KM406480 |
| 126 | *Anabaena* sp. NTVKA02 | KM406479 |
| 127 | *Kamptonema laete-virens* NRMC-F 0139 | OM864340 |
| 128 | *Geitlerinema splendidum NRMC-F 0141* | OM864322 |
| 129 | *Geitlerinema calcuttense* NRMC-F 0142 | OM864324 |
| 130 | *Kamptonema cortianum NRMC-F 0138* | OM864321 |
| 131 | *Kamptonema cortianum NRMC-F 83* | OM864282 |

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|---|---|---|
| 132 | *Oscillatoria amoena NRMC-F 0135* | OM864323 |
| 133 | *Oscillatoria earlei strain NRMC-F 0140* | OM841885 |
| 134 | *Oscillatoria earlei strain NRMC-F 0137* | OM841510 |
| 135 | *Oscillatoria earlei strain NRMC-F 0136* | OM841488 |
| 136 | *Kamptonema jasorvense NRMC-F 0143* | OM888661 |
| 137 | *Phormidium acula NRMC-F 48* | OM867600 |
| 138 | *Oscillatoria sp. DM10* | ON870395 |
| 139 | *Arthrospira platensis DM06* | ON856535 |
| 140 | *Kamptonema jasorvense NRMC-F 0143* | OM888661 |
| 141 | *Phormidium acula NRMC-F 48* | OM867600 |
| 142 | *Kamptonema cortianum NRMC-F 83* | OM864282 |
| 143 | *Kamptonema cortianum NRMC-F 0138* | OM864321 |
| 144 | *Geitlerinema splendidum NRMC-F 0141* | OM864322 |
| 145 | *Oscillatoria amoena NRMC-F 0135* | OM864323 |
| 146 | *Geitlerinema calcuttense NRMC-F 0142* | OM864324 |
| 147 | *Kamptonema laete-virens NRMC-F 0139* | OM864340 |
| 148 | *Kamptonema laetevirens* NRMC-F 0139 (Alpha & Beta sub units of c-Phycocyanin genes) | ON759207 |
| 149 | *Oscillatoria earlei strain NRMC-F 0136* | OM841488 |
| 150 | *Oscillatoria earlei strain NRMC-F 0137* | OM841510 |
| 151 | *Oscillatoria earlei strain NRMC-F 0140* | OM841885 |
| 152 | *Synechococcus sp.* NTBN_2 | OP646451 |
| 153 | *Nostochopsis lobatus* NRMC-F 1122 | PP550145 |
| 154 | *Mastigocladus laminosus* NRMC-F0401 | PP990621 |
| 155 | *Sphaerosprmopsis reniformis NRMC-F 0403* | PP990622 |
| 156 | *Leptolyngbya ramose* NRMC-F 0402 | PQ037618 |
| 157 | *Leptolyngbya carnea* NRMC-F 0404 | PQ068749 |
| 158 | *Phayaothrix lacustris* strain NRMC-F 0429 | PX457646 |
| 159 | *Spirulina subsalsa* clone T7 | DQ080030 |
| 160 | *Spirulina subsalsa* clone SP6 | DQ080031 |
| 161 | *Microcystis aeruginosa strain* NRMC-F 0407 | PQ553261 |
| 162 | *Microcystis aeruginosa strain* NRMC-F 0415 | PX513317 |
| 163 | *Adonisia turfae* strain NRMC-F 0468 | PZ502129 |
| 164 | *Chroococcus minutus strain NTBN-02* | PV474596 |
| 165 | *Chroococcus turgidus strain NTBN-05* | PV040740 |
| 166 | *Chroococcus turgidus strain NTBN-07* | PV040739 |
| 167 | *Chroococcus turgidus NTBN-14* | PV009151 |
| 168 | *Chroococcus minutus NTBN-15* | PV009150 |
| 169 | *Chroococcus minutus NTBN-11* | PV009148 |
| 170 | *Chroococcus minutus NTBN-08* | PV009147 |
| 171 | *Chroococcus turgidus NTBN-1* | PV009149 |
| 172 | *Chroococcus minutus NTBN-02* | PQ874089 |

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| 173 | *Chroococcus turgidus NTBN-03* | PQ874090 |
| 174 | *Synechococcus elongatus NTBN-04* | PQ870056 |
| 175 | *Chroococcus turgidus strain NTBN -01* | PQ588047 |
| 176 | *Chroococcus minutus strain NTBN-11* | PV641601 |
| 177 | *Chroococcus turgidus strain NTBN-01* | PV474595 |
| **CYANOBACTERIAL PHYCOCYANIN GENES** | | |
| 1 | *Geitlerinema calcuttense* NRMC-F 0142 | OM984738 |
| 2 | *Oscillatoria earlei* NRMC-F 0136 | OM984739 |
| 3 | *Oscillatoria earlei* NRMC-F 0137 | OM984740 |
| 4 | *Oscillatoria amoena* NRMC-F 0135 | OM984741 |
| 5 | *Phormidium acula* NRMC-F 48 | OM984742 |
| 6 | *Kamptonema jasorvense* NRMC-F 0143 | OM984743 |
| 7 | *Chroococcus minutus strain NTBN-08* | PV641600 |
| 8 | *Chroococcus minutus strain NTBN-15* | PV641599 |
| 9 | *Chroococcus turgidus strain NTBN-14* | PV641598 |
| 10 | *Chroococcus turgidus strain NTBN-13* | PV641597 |
| 11 | *Chroococcus turgidus strain NTBN-07* | PV600313 |
| 12 | *Chroococcus turgidus strain NTBN-05* | PV596792 |
| 13 | *Chroococcus minutus strain NTBN-02* | PV584075 |
| 14 | *Synechococcus elongatus NTBN-04* | PV490905 |
| 15 | *Chroococcus turgidus strain NTBN-03* | PV490904 |
| 16 | *Chroococcus turgidus strain NTBN-01* | PV490903 |
| 17 | *Chroococcus minutus strain NTBN-11* | PV641601 |
| **MICROCYSTIN SYNTHASE E (McyE) GENE** | | |
| 1 | *Microcystis aeruginosa* NRMC-F 0407 | PQ553261 |
| **SYMBIOTIC CYANOBACTERIA** | | |
| **CYANOLICHENS** | | |
| 1 | *Aphanocapsa* sp. NTK28 | DQ513318 |
| 2 | *Nostoc* sp. NTK29 | DQ513319 |
| 3 | *Nostoc* sp. NTY30 | DQ513320 |
| **CYCADS** | | |
| 1 | *Calothrix* sp. NTCR05 | DQ513321 |
| 2 | *Nostoc* sp. NTCC1 | DQ845197 |
| 3 | *Nostoc* sp. NTCRm6 | DQ845198 |
| 4 | *Nostoc sp. TPCR9* | GU186907 |
| 5 | *Calothrix sp. TPZ10* | GU186906 |
| 6 | *Anabaena sp. TPCRU11* | GU186905 |
| 7 | *Nostoc sp. TPCC5a* | GU186904 |
| 8 | *Nostoc sp. TPCC5b* | GU186903 |
| 9 | *Nostoc sp. TPCR 08* | GU186902 |
| 10 | *Nostoc* sp. TLPVC9C | KM406473 |

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| 11 | *Westiellopsis* sp. TLPVC01 | KM406475 |
| 12 | *Nostoc sp*. TLPVC12A | KM406476 |
| 13 | *Westiellopsis* sp. TLPVC03 | KM406477 |
| 14 | *Nostoc* sp. TLPVC5C | KM406478 |
| 15 | *Anabaena sp*. NTVKA02 | KM406479 |
| 16 | *Nostoc* sp. NTDV47 | KM406481 |
| 17 | *Nostoc sp.* TLPVC9 | KM657207 |
| 18 | *Anabaena sp.* TLPVC11 | KM657208 |
| ***AZOLLA*** | | |
| 1 | Uncultured cyanobacterium clone 503-10 | EF137169 |
| 2 | Uncultured cyanobacterium clone 503-27 | EF137170 |
| 3 | Uncultured cyanobacterium clone 503-8 | EF137171 |
| 4 | Uncultured cyanobacterium clone 513-23 | EF137172 |
| 5 | Uncultured cyanobacterium clone 535-27 | EF137173 |
| 6 | Uncultured cyanobacterium clone 535-30 | EF137174 |
| 7 | Uncultured cyanobacterium clone 5501-1 | EF137175 |
| 8 | *Westiellopsis* sp. NTMVK03 | JN402976 |
| 9 | *Anabaena sp.* NTMVK02 | JN402975 |
| 10 | *Anabaena variabilis* NTMVK01 | JN402974 |
| 11 | *Phormidium* sp. NTVKA04 (Epiphyte) | KM406480 |
| 12 | *Westiellopsis sp.* NTVKA05(Epiphytic) | KM657211 |
| **Group I Self Splicing Introns** | | |
| 1 | *Synechococcus elongatus* BDU142311 | DQ080029 |
| 2 | *Nostoc* sp. TPCC51 | JN613158 |
| 3 | *Oscillatoria* sp. NTDV18 | JN613157 |
| 4 | *Phormidium* sp. NTDV11 | JX308241 |
| 5 | *Anabaena variabilis* NTMVK01/ | JX308243 |
| 6 | *Nostoc* sp. TLPVC9C | JX316217 |
| 7 | *Nostoc* sp. TLPVC12C | JX308240 |
| 8 | *Anabaena* sp. TPCR8 | JX308242 |
| 9 | *Westiellopsis* sp. NTMVK03 | JX308244 |
| 10 | *Oscillatoria* sp. NTGM13 | JQ958894 |
| 11 | *Oscillatoria boryana* NTDV18 | KF511632 |
| 12 | *Nostoc* sp. TPCC51 | KJ544882 |
| 13 | *Oscillatoria boryana* NTDV18 | KJ544883 |
| 14 | *Westiellopsis sp.* TLPVC01 | KM657214 |
| 15 | *Nostoc sp.* TLPVC12A | KM657215 |
| 16 | *Mastigocladus sp.* NTDV08 | KM657216 |
| 17 | *Anabaena sp.* TPCR8 | KM657217 |
| 18 | *Anabaena sp.* TLPVC11 | KM657218 |
| 19 | *Westiellopsis sp.* TLPVC03 | KM657219 |

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| 20 | *Westiellopsis sp.* NTVKA05 | KM657220 |
| 21 | *Anabaena variabilis* NTMVK01 | KM657221 |
| 22 | *Westiellopsis sp.* NTMVK03 | KM657222 |
| 23 | *Cyanothece aeruginosa* NTDV52 | KM657223 |
| 24 | *Spirulina salina* NTDV54 | KM657224 |
| 25 | *Phormidium sp.* NTDV56 | KM657225 |
| 26 | *Trichodesmium erythraeum* NTDV13 | KM657226 |
| **ACTINOBACTERIA** | | |
| 1 | *Streptomycesnoursei* DPTD21 | DQ279757 |
| 2 | *Streptomyces* sp. DPTB16 | DQ279758 |
| 3 | *Streptomyces* sp VPTS3-1 | DQ845201 |
| 4 | *Streptomyces* sp VPTS3-2 | DQ845202 |
| 5 | *Streptomyces* sp VPTSA1-4 | DQ845203 |
| 6 | *Streptomyces* sp VPTSA1-8 | DQ845204 |
| 7 | *Streptomyces* sp. JMCNT09 | EU583791 |
| 8 | *Streptomyces sp. JMCNT25* | FJ939129 |
| 9 | *Streptomyces sp. JMCNT76* | FJ939130 |
| 10 | *Streptomyces* sp. SDAP101 | GQ408915 |
| 11 | *Frankia sp. NTA04* | GU186912 |
| 12 | *Frankia sp. NTA03* | GU186911 |
| 13 | *Frankia sp. NTA05* | GU186908 |
| 14 | *Nocardiopsis* sp. NTRJM02 | JN402981 |
| 15 | *Nocardiopsis* sp. NTRJM01 | JN402980 |
| 16 | *Streptomyces* sp. NTRJM05 | JN402979 |
| 17 | *Rhodococcus* sp. NTRJM04 | JN402978 |
| 18 | *Nocardiopsis* sp. NTRJM03 | JN402977 |
| 19 | *Streptomyces albogriseolus* strain ECR64 | KF410672 |
| 20 | *Streptomyces labedae* strain ECR77 | KF158225 |
| 21 | *Streptomyces* sp. JMCACA1 | KJ818244 |
| 22 | *Streptomyces* sp. JMCACA3 | KJ818245 |
| 23 | *Streptomyces* sp. JMCACA2 | KJ818246 |
| 24 | *Arthrobacter sp.* BECS1 | GU569857 |
| 25 | *Streptomyces griseorubens* strain DA3-7 | KT365284 |
| 26 | *Streptomyces fragilis* strain DA7-7 | KT365285 |
| 27 | *Streptomyces* sp. strain A13 | MG208092 |
| 28 | *Rhodococcus* sp. strain A1 | MG208087 |
| 29 | *Rhodococcus* sp. strain A2 | MG208088 |
| 30 | *Rhodococcus* sp. strain A8 | MG208089 |
| 31 | *Rhodococcus erythropolis* strain A11 | MG208090 |
| 32 | *Streptomyces sp. strain RDL-5* | MT110917 |
| 33 | *Streptomyces sp. strain DARP-7* | MN045401 |

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| 34 | *Streptomyces parvulus strain C16* | MN385721 |
| 35 | *Bordetella petrii strain CTE1* | MW720998 |
| 36 | *Streptomyces litmocidini strain RDL6* | MW716272 |
| 37 | *Nocardiopsis yanglingensis strain 704F* | MW723223 |
| 38 | *Nocardiopsis yanglingensis strain 907RC* | MW723222 |
| 39 | *Streptomyces geysiriensis strain RDL24* | MW723203 |
| 40 | *Streptomonospora sp. strain CTE2* | MW832469 |
| 41 | *Nocardiopsis sp. strain RDL15* | MW828350 |
| 42 | *Streptomyces sp. strain D26* | MW829602 |
| 43 | *Streptomyces glaucescens* NTSB37 | OP364022 |
| **BACTERIA** | | |
| 1 | *Rhizobium* sp.GGNM66 | EF420109 |
| 2 | *Bacillus sp.* GGTD 67 | EF601985 |
| 3 | *Halobacterium* sp. MVBDU2 | EU713855 |
| 4 | *Halobacterium* sp. MVBDU1 | EU713854 |
| 5 | *Bacillus subtilis* BETS11 | GU569880 |
| 6 | *Bacillus sp.* BECR12 | GU569879 |
| 7 | *Bacillus sp*. BETR14 | GU569872 |
| 8 | *Bacillus sp*. BETR13 | GU569871 |
| 9 | *Bacillus sp.* BETS5 | GU569870 |
| 10 | *Bacillus sp*. BETR11 | GU569869 |
| 11 | *Bacillus cereus* BETL10 | GU569868 |
| 12 | *Bacillus sp*. BECR14 | GU569866 |
| 13 | *Bacillus sp*. BECS7 | GU569858 |
| 14 | *Bacillus megaterium*. BECR | GU569865 |
| 15 | *Bacillus megaterium*. BECL11 | GU569863 |
| 16 | *Bacillus licheniformis*. BECL5 | GU569856 |
| 17 | *Bacillus circulans*. BECL10 | GU569855 |
| 18 | *Bacillus sp.* BECR2 | GU569854 |
| 19 | *Achromobacter sp*. BECS4 | GU569878 |
| 20 | *Achromobacter xylosoxidans* BECS5 | GU569864 |
| 21 | *Achromobacter sp.* BECB16 | GU569859 |
| 22 | *Proteus mirabilis* BETS2 | GU569877 |
| 23 | *Proteus mirabilis* BETR16 | GU569876 |
| 24 | *Proteus mirabilis* BETS3 | GU569875 |
| 25 | *Proteus mirabilis* BETSL14 | GU569874 |
| 26 | *Proteus mirabilis* BETL4 | GU569873 |
| 27 | *Microbacterium sp*. BECS9 | GU569867 |
| 28 | *Microbacterium sp*. BECR6 | GU569861 |
| 29 | *Providencia rettgeri* BECL4 | GU569862 |
| 30 | *Providencia rettgeri* BECR15 | GU569860 |

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| 31 | *Mycobacterium tuberculosis* 20F | GU391340 |
| 32 | *Mycobacterium tuberculosis* 19R | GU391339 |
| 33 | *Mycobacterium tuberculosis* 19F | GU391338 |
| 34 | *Mycobacterium sp.* Strain 27R | GU391343 |
| 35 | *Mycobacterium sp* Strain 27F | GU391342 |
| 36 | *Azospirillum amazonense* AZ03 | HM217759 |
| 37 | *Azospirillum brasilense* AZ02 | HM217758 |
| 38 | *Azospirillum halopraeferens* AZ04 | HM217760 |
| 39 | *Halobacillus sp.* MVBDU3 | HM636928 |
| 40 | *Staphylococcus epidermidis* MVBDU5 | HM636927 |
| 41 | *Virgibacillus sp.* MVBDU6 | HM636926 |
| 42 | *Serratia marcescens* PDKT-1 | HM998315 |
| 43 | *Bacillus* sp. NTRP10 | HQ332546 |
| 44 | *Staphylococcus* sp. NTRP09 | HQ332545 |
| 45 | *Acinetobacter* sp. NTRP08 | HQ332544 |
| 46 | *Klebsiella* sp. NTRP07 | HQ332543 |
| 47 | *Achromobacter* sp. NTRP06 | HQ332542 |
| 48 | *Achromobacter* sp. NTRP05 | HQ332541 |
| 49 | *Klebsiella* sp. NTRP04 | HQ332540 |
| 50 | *Bacillus* sp. NTRP03 | HQ332539 |
| 51 | *Bacillus* sp. NTRP02 | HQ332538 |
| 52 | *Klebsiella* sp. NTRP01 | HQ332537 |
| 53 | *Mycobacterium sp.* ANT 09 | HM803175 |
| 54 | *Mycobacterium sp.* ANT 08 | HM803174. |
| 55 | *Mycobacterium sp.* ANT 07 | HM803173 |
| 56 | *Enterococcus faecalis* ANT 06 | HM803172. |
| 57 | *Staphylococcus aureus* ANT 05 | HM803171 |
| 58 | *Pseudomonas aeruginosa* ANT 04 | HM803170 |
| 50 | *Klebsiella pneumoniae* ANT 03 | HM803169 |
| 60 | *Enterobacter sp.* ANT 02 | HM803168 |
| 61 | *Escherichia coli* ANT 01 | HM803167 |
| 62 | *Bacterium* AP01 | HQ219671 |
| 63 | *Staphylococcus aureus* NTMUR01 | JN601431 |
| 64 | *Bacillus subtilis* DPNSB-2 | JN713924 |
| 65 | *Bacillus subtilis* strain DPNST-2 | JN713920 |
| 66 | *Bacillus cereus* DPNST-28 | JN713919 |
| 67 | *Rhizobium* sp. WL12 | HE800134 |

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| 68 | *Bacillus* sp. NMPG01 | JX002663 |
| 69 | *Bacillus* sp. NMPG02 | JX002664 |
| 70 | *Stenotrophomonas* sp. NMVH01 | JX002665 |
| 71 | *Acinetobacter* sp. DDCMSPKR7 (blaNDM-1gene) | JX506733 |
| 72 | *Staphylococcus aureus* SMKV-2 | DQ306891 |
| 73 | *Staphylococcus aureus* SMKV-1 | DQ306890 |
| 74 | *Stenotrophomonas maltophilia* U758 | KC751004 |
| 75 | *Klebsiella sp.* U759 | KC751005 |
| 76 | *Enterobacter asburiae* B938 | KC759524 |
| 77 | *Stenotrophomonas maltophilia* B929 | KC759523 |
| 78 | *Stenotrophomonas maltophilia* B19 | KC759522 |
| 79 | *Escherichia coli* U655 | KC759521 |
| 80 | *Azospirillum brasilense* TMP10 | KF493734 |
| 81 | *Bacillus subtilis* JMCA1 | KF758462 |
| 82 | *Paenibacillus* sp. JMCA2 | KF758463 |
| 83 | *Bacillus* sp. JMCA3 | KF758464 |
| 84 | *Brevibacillus* sp. JMCA4 | KF758465 |
| 85 | *Bacillus niacini* JMCB1 | KF758466 |
| 86 | *Brevibacillus* sp. JMCB2 | KF758467 |
| 87 | *Lactobacillus plantarum* TMDIM7 | KJ621680 |
| 88 | *Bacillus cereus* TMDIB1 | KJ621681 |
| 89 | *Bacillus subtilis* JMCACB1 | KJ818247 |
| 90 | *Brevibacillus* sp. JMCACB2 | KJ818248 |
| 92 | *Lactobacillus plantarum* strain NTMI05 | KP901272 |
| 93 | *Lactobacillus plantarum* strain NTMI20 | KP901273 |
| 94 | *Pseudomonas stutzeri* strain KSU-1 | KP229431 |
| 95 | *Bacillus licheniformis* strain KSU-2 | KP229432 |
| 96 | *Bacillus cereus* strain KSU-3 | KP229433 |
| 97 | *Pseudomonas aeruginosa* strain KSU-4 | KP229434 |
| 98 | *Pseudomonas stutzeri* strain KSU-5 | KP229435 |
| 99 | *Bacillus licheniformis* strain KSU-6 | KP229436 |
| 100 | *Pseudomonas* sp. KSU-7 | KP229437 |
| 101 | *Pseudomonas* sp. KSU-8 | KP229438 |
| 102 | *Bacillus aryabhatta*i KSU-9 | KP229439 |
| 103 | *Lactobacillus casei* NTMI01 | KT696583 |
| 104 | *Enterococcus casseliflavus* NTMI04 | KT696584 |
| 105 | *Klebsiella pneumoniae* NTMIK1 | KT696585 |
| 106 | *Lactobacillus delbrueckii* NTMI12 | KT696586 |
| 107 | *Lactobacillus delbrueckii* NTMI13 | KT696587 |
| 108 | *Enterococcus* sp. NTMI17 | KT696588 |

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| 109 | *Enterococcus casseliflavus* NTMI18 | KT696589 |
| 110 | *Enterococcus* sp. NTMI21 | KT696590 |
| 111 | *Enterococcus faecium* NTM122 | KT696591 |
| 112 | *Rhizobium* sp. BDLR3 | KU234496 |
| 113 | *Rhizobium* sp. PTKR1 | KU234497 |
| 114 | *Agrobacterium* sp. PTKA3 | KU234498 |
| 115 | *Bacillus subtilis* RS2 | KT962235 |
| 116 | *Bacillus cereus* RS3 | KT962236 |
| 117 | *Enterococcus canintestini* NTMI30 | KT726154 |
| 118 | *Pseudomonas* sp. NTAAB1 | KX078777 |
| 119 | *Pseudomonas plecoglossicida* NTAAB2 | KX078778 |
| 120 | *Fictibacillus nanhaiensis* NTAAB3 | KX078779 |
| 121 | *Vibrio harveyi* LCVH | KX082945 |
| 122 | *Chromohalobacter salexigens* strain S2 | MF447850 |
| 123 | *Chromohalobacter israelensis* strain S6 | MF447851 |
| 124 | *Oceanobacillus manasiensis* strain S12 | MF447852 |
| 125 | *Bacillus licheniformis* strain S15 | MF447853 |
| 126 | *Brevundimonas viscosa* strain S17 | MF447854 |
| 127 | *Bacillus licheniformis* strain BAGN005 | KY287928 |
| 128 | *Bacillus mojavensis* strain BAGP004 | KY287929 |
| 129 | *Bacillus sonorensis* strain BKGN007 | KY287930 |
| 130 | *Pseudomonas stutzeri* strain BKGP002 | KY287931 |
| 131 | *Bacillus atrophaeus* strain BSGP006 | KY287932 |
| 132 | *Enterobacter kobei* strain BVGN0003 | KY287933 |
| 133 | *Enterobacter cloacae* strain ten-001 | KY287934 |
| 134 | *Vibrio alginolyticus* strain TFM17 | MK007325 |
| 135 | *Vibrio alginolyticus* strain TFM30 | MK007345 |
| 136 | *Vibrio alginolyticus* strain UFM24 | MK007470 |
| 137 | *Vibrio harveyi* strain CUS2 | MK007472 |
| 138 | *Vibrio sp*. strain CUS4 | MK007474 |
| 139 | *Gammaproteobacteria bacterium* CUS5 | MK007991 |
| 140 | *Gammaproteobacteria bacterium* TFM19 | MK007992 |
| 141 | *Gammaproteobacteria bacterium* TFM61 | MK007993 |
| 142 | *Vibrio parahaemolyticus* strain TFM1 | MH990262 |
| 143 | *Gammaproteobacteria bacterium* TFM4 | MH991704 |
| 144 | *Cellulosimicrobium cellulans* strain A15 | MG208091 |
| 145 | *Pseudomonas stutzeri* strain B1 | MG208093 |
| 146 | *Bacillus sp*. strain B10 | MG208094 |
| 147 | *Vibrio alginolyticus strain TFM17* | MK007325 |
| 148 | *Vibrio alginolyticus strain TFM30* | MK007345 |
| 149 | *Vibrio alginolyticus strain UFM24* | MK007470 |

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| 150 | *Vibrio harveyi strain CUS2* | MK007472 |
| 151 | *Vibrio sp. strain CUS4* | MK007474 |
| 152 | *Gammaproteobacteria bacterium strain CUS5* | MK007991 |
| 153 | *Gammaproteobacteria bacterium strainTFM19* | MK007992 |
| 154 | *Gammaproteobacteria bacterium strainTFM61* | MK007993 |
| 155 | *Vibrio parahaemolyticus strain TFM1* | MH990262 |
| 156 | *Gammaproteobacteria bacterium strain TFM4* | MH991704 |
| 157 | *Pediococcus acidilactici strain NTDIR* | ON429037 |
| 158 | *Enterobacteriaceae bacterium* strain *PSD08* | PV596072 |
| 159 | *Enterobacteriaceae bacterium strain PSD05* | PV596071 |
| 160 | *Enterobacteriaceae bacterium strain PSD01* | PV596070 |
| 161 | *Serratia sp.* strain *WAK03* | PV596058 |
| 162 | *Mammaliicoccus sp. strain WAK02* | PV596057 |
| 163 | *Bacterium strain DFF01* | PZ049875 |
| 164 | *Bacterium strain DFF02* | PZ049876 |
| 165 | *Bacterium strain DFF04* | PZ049877 |
| 166 | *Bacillus altitudinis strain DMGEJ04* | PZ051635 |
| 167 | *Brevibacillus sp. strain DMGEJ06* | PZ051636 |
| **SUBSURFACE BACTERIA** | | |
| 1 | Bacterium NTN01 | FJ435677 |
| 2 | Bacterium NTN02 | FJ435678 |
| 3 | Bacterium NTN03 | FJ435679 |
| 4 | Bacterium NTN04 | FJ435680 |
| 5 | Bacterium NTN05 | FJ435681 |
| 6 | Bacterium NTN06 | FJ435682 |
| 7 | Bacterium NTN07 | FJ435683 |
| 8 | Bacterium NTN10 | FJ435684 |
| 9 | Bacterium NTN11 | FJ435685 |
| 10 | Bacterium NTN12 | FJ435686 |
| 11 | Bacterium NTN13 | FJ435687 |
| 12 | Bacterium NTN14 | FJ435688 |
| 13 | Bacterium NTN16 | FJ435689 |
| 14 | Bacterium NTN17 | FJ435690 |
| 15 | Bacterium NTN18 | FJ435691 |
| 16 | Bacterium NTN20 | FJ435692 |
| 17 | Bacterium NTN21 | FJ435693 |
| 18 | Bacterium NTN22 | FJ435694 |
| 19 | Bacterium NTN26 | HM461554 |
| 20 | Bacterium NTN34 | HM461555 |
| 21 | Bacterium NTN25 | HM461556 |
| 22 | Bacterium NTN28 | HM461557 |

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| 23 | Bacterium NTN24 | HM461558 |
| 24 | Bacterium NTN23 | HM461559 |
| 25 | Bacterium NTN27 | HM461560 |
| 26 | Bacterium NTN30 | HM461561 |
| 27 | Bacterium NTN29 | HM461562 |
| 28 | Bacterium NTN31 | HM461563 |
| 29 | Bacterium NTN32 | HM461564 |
| 30 | Bacterium NTN33 | HM461565 |
| 31 | Bacterium NTN35 | HM461566 |
| 32 | Bacterium NTN36 | HM461567 |
| | **Fungal taxa used for 18S rRNA/ITS Sequences** | |
| 1 | *Penicillium chrysogenum* ARAP01 | GQ355589 |
| 2 | Mutant *Penicillium chrysogenum* ARAP-CM | GQ355590 |
| 3 | Mutant *Penicillium chrysogenum* ARAP-PM | GQ355591 |
| 4 | *Aspergillus ochraceus* RTAP112 | GQ408916 |
| 5 | *Trichoderma viride* KSAP113 | GQ408917 |
| 6 | *Trichoderma viride* NTDM02 (28S rRNA gene) | GU585846 |
| 7 | *Trichoderma viride* NTDMF01 (28S rRNA gene) | GU585845 |
| 8 | *Fusarium incarnatum* FS47310 | GU067732 |
| 9 | *Hypocrea lixii* PSMT1 (ITS region) | GU646678 |
| 10 | *Trichoderma viride*NTMF01 | HM217756 |
| 11 | *Trichoderma viride* NTDMF02 | HM217757 |
| 12 | *Trichoderma viride* NTDMF01 (Calmodulin gene) | HM635780 |
| 13 | *Trichoderma longibrachiatum* NTLF*01*(ITS) | HQ141714 |
| 14 | F*usarium sp.* NTLF07 (ITS) | HQ141713 |
| 15 | *Aspergillus fumigatus* NTLF06(ITS) | HQ141712 |
| 16 | *Emericella nidulans* NTLF03 (ITS) | HQ141711 |
| 17 | *Fusarium* sp. NTLF08 | HQ219675 |
| 18 | *Nodulisporium* sp. NTLF04 | HQ219674 |
| 19 | *Aspergillus terreus* NTLF02 | HQ219673 |
| 20 | *Aspergillus* sp. AP02 | HQ219672 |
| 21 | *Epidermophyton floccosum* NTDMF22 | HQ537430 |
| 22 | *Trichophyton mentagrophytes* NTDMF21 | HQ537429 |
| 23 | *Trichophyton rubrum* NTDMF20 | HQ537428 |
| 24 | *Hypocrea koningii* NTLF11 | HQ245158 |
| 25 | *Penicillium citrinum* NTLF05 | HQ245157 |
| 26 | *Calocybe indica* AP07 | HQ222985 |
| 27 | *Trichoderma viride* APTO9 | JF304319 |
| 28 | *Trichoderma album* APTO8 | JF304318 |

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|---|---|---|
| 29 | *Trichoderma harzianum* strain APT04 | JF304317 |
| 30 | *Trichoderma glaucum* APTO3 | JF304316 |
| 31 | *Trichoderma hamatum* APTO2 | JF304315 |
| 32 | *Trichoderma viride* APTO1 | JF304314 |
| 33 | *Trichoderma viride* NTDMF02 (23S rRNA) | GU585846 |
| 34 | *Aspergillus terreus* NTGMP05 | JN216837 |
| 34 | *Fusarium* sp. NTGMP04 | JN216836 |
| 36 | *Penicillium* sp. NTGMP03 | JN216835 |
| 37 | *Aspergillus fumigatus* NTGMP02 | JN216834 |
| 38 | *Aspergillus niger* NTGMP01 | JN216833. |
| 39 | *Trichoderma viride* NTSA03 | JN166082 |
| 40 | *Hypocrea rufa* NTSA02 | JN166081 |
| 41 | *Hypocrea rufa* NTSA01 | JN166080 |
| 42 | *Candida albicans* NTMUR04 | JN601432 |
| 43 | *Aigialus grandis* TTMF1 | JN887738 |
| 44 | *Penicillium chermesinum* TTMF3 | JN863100 |
| 45 | *Gliocladiopsis sumatrensis* TTMF4 | JN871719 |
| 46 | *Penicillium spinulosum* TTMF2 | JN863099 |
| 47 | *Hypocrea lixii* DPNST-4 | JN713922 |
| 48 | *Hypocrea rufa* DPNST-29 | JN713923 |
| 49 | *Trichoderma aureoviride* DPNST-8 | JN713921 |
| 50 | *Aspergillus terreus* NCBT111 | JX863370 |
| 51 | *Aspergillus niger* NCBT110 | JX863371 |
| 52 | *Aspergillus terreus NCBT111A* | JX863372 |
| 53 | *Aspergillus terreus NCBT111B* | JX863373 |
| 54 | *Aspergillus niger NCBT110A* | JX863374 |
| 55 | *Psilocybe cubensis* DPT1 | KT246472 |
| 56 | *Chaetomium globosum* strain SAMI CC10 (ITS) | MG596960 |
| 57 | *Fusarium lichenicola isolate NTRIR01* | ON307228 |
| 58 | *Chromobacterium violaceum strain NTAIR 01* | ON195257 |
| 59. | *Aspergillus fumigatus isolate YR01* | PV595923 |
| | **Microalgal taxa (18S rRNA)** | **GenBank Accession Nos.** |
| 1 | *Chlorella sp.* NTAI01 | GU186909 |
| 2 | *Synedra sp.* NTDMN01 | HM635776 |
| 3 | *Synedra sp*. NTDMD02 | HM635777 |

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|---|---|---|
| 4 | *Amphora sp.* NTDMN02 | HM635778 |
| 5 | *Stauroneis sp*. NTDMD01 | HM635779 |
| 6 | *Cymbella tumida* NTDMN03 | HM585048 |
| 7 | *Monoraphidium sp.* NTAI03 | HM768826 |
| 8 | *Chlorella* sp. NTMP01 calmodulin(CaM) | HQ219686 |
| 9 | *Chlorella vulgaris* NTMP06 | HQ123323 |
| 10 | *Chlorella vulgaris* NTMP05 | HQ123322 |
| 11 | *Hartmannella vermiformis* | JN402971 |
| 12 | *Poterioochromonas* sp. NTNV05 | JN402973 |
| 13 | *Poterioochromonas* sp. NTNV04 | JN402972 |
| 14 | *Poterioochromonas* sp. NTNV07 | JN402966 |
| 15 | *Poterioochromonas* sp. NTNV06 | JN402968 |
| 16 | *Poterioochromonas* sp. NTNV03 | JN402967 |
| 17 | *Poterioochromonas* sp. NTNV02 | JN402969 |
| 18 | *Poterioochromonas* sp. NTNV01 | JN402965 |
| 19 | *Botryococcus* sp. NTNV08 | JN402970 |
| 20 | *Chlorella* sp. SGBRA07 | JQ231277 |
| 21 | *Coelastrella* sp. NTEB01 | JQ731679 |
| 22 | *Tetradesmus* sp. NTAI05 | JQ796860 |
| 23 | *Acrochaete repens* NTAI07 | JQ796861 |
| 24 | *Tetradesmus* sp. NTAI04 | JQ796862 |
| 25 | *Botryococcus* sp. NTAI06 | JQ796863 |
| 26 | *Chlorella vulgaris* BUM11129 | KC218502 |
| 27 | *Dunaliella* sp. BUM11123 | KC218500 |
| 28 | *Chlorella* sp. BUM11115 | KC218498 |
| 29 | *Chlorella* sp. BUM11109 | KC218496 |
| 30 | *Coelastrella* sp. BUM11107 | KC218494 |
| 31 | *Chlamydomonas* sp. BUM11080 | KC218492 |
| 32 | *Sphaerocystis* sp. BUM11019 | KC218490 |
| 33 | *Scenedesmus naegelii* BUM11014 | KC218488 |
| 34 | *Scenedesmus quadricauda* BUM11012 | KC218486 |
| 35 | *Chlorella* sp. BUM11009 | KC218484 |
| 36 | *Chlorococcum* sp. BUM11006 | KC218482 |
| 37 | *Chlorococcum* sp. BUM11004 | KC218480. |
| 38 | *Chlorella* sp. BUM11002 | KC218478 |
| 39 | *Neochloris* sp. BUM11127 | KC218501 |
| 40 | *Desmodesmus intermedius* BUM1116 | KC218499 |
| 41 | *Coelastrella* sp. BUM11113 | KC218497 |
| 42 | *Scenedesmus* sp. BUM11108 | KC218495 |
| 43 | *Chlorella* sp. BUM11098 | KC218493 |
| 44 | *Selenastrum* sp. BUM11047 | KC218491 |

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| 45 | *Scenedesmus acutus* BUM11015 | KC218489 |
| 46 | *Desmodesmus maximus* BUM11013 | KC218487 |
| 47 | *Chlorella* sp. BUM11010 | KC218485 |
| 48 | *Chlorella* sp. BUM11008 | KC218483 |
| 49 | *Chlorella* sp. BUM11005 | KC218481 |
| 50 | *Chlorella* sp. BUM11003 | KC218479 |
| 51 | *Chlorococcum* sp. BUM11001 | KC218477 |
| 52 | *Coelastrella* sp. NTAI15 | KJ875929 |
| 53 | *Scenedesmus* sp. NTMDB8 | KM486534 |
| 54 | *Chlorella* sp. NTMDB9 | KM486535 |
| 55 | *Navicula* sp. NTMKB5 | KM486536 |
| 56 | *Nitzschia* sp. NTMKB9 | KM486537 |
| 57 | *Dunaliella salina* strain SS/AK/ABL/ RDU-03 | MG271848 |
| 58 | *Dunaliella salina* SS/AK/GP/NT/ABL/RDU-01 | MF997534 |
| 59 | *Dunaliella salina* SS/AK/NT/ABL/ RDU-02 | MF997535 |
| 60 | *Chlorella sp. isolate* NTBN_1 | OP643786 |
| 61 | *Chlorella sp. isolate* NTBN_1 | OP646449 |
| 62 | *Chlorella vulgaris* NRMC-F 0128 | PP596841 |
| 63 | *Tetradesmus dimorphus* NRMC-F | PP616685 |
| 64 | *Haematococcus lacustris* strain NRMC-F 0460 | PZ503066 |
| **Microzooplankton / Protozoans (18SrRNA)** | | |
| 1 | *Hartmannella vermiformis* | JN402971 |
| 2 | *Moneuplotes crassus* strain NTNA17 | HQ256516 |
| **Viral Sequences** | | |
| 1 | HIV – 1 isolate 7R | GU391337 |
| 2 | HIV – 1 isolate 7F | GU391336 |
| 3 | HIV – 1 isolate 6R | GU391335 |
| 4 | HIV – 1 isolate 6F | GU391334 |
| 5 | Hepatitis B virus isolate 16R | GU391333 |
| 6 | Hepatitis B virus isolate 16F | GU391332 |
| 7 | Hepatitis B virus isolate 15R | GU391331 |
| 8 | Hepatitis B virus isolate 15F | GU391330 |

**Total Number of nucleotide sequences deposited in NCBI (GenBank) - 687**

## 44. DNA Barcodes of Cyanobacteria

| No | Cyanobacterial strains | Barcode ID |
|---|---|---|
| 1 | ***Chroococcus turgidus* NTBN-01** | **PQ588047** |
| 2 | ***Chroococcus minutus* NTBN-02** | **PQ874089** |
| 3 | ***Chroococcus turgidus* NTBN-03** | **PQ874090** |

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|---|---|---|
| 4 | **Synecchococcs elongatus NTBN-04** | **PQ870056** |
| 5 | ***Chroococcus turgidus* NTBN-05** | **PV040740** |
| 6 | ***Chroococcus turgidus* NTBN-07** | **PV040739** |
| 7 | ***Chroococcus minutus* NTBN-08** | **PV009147** |
| 8 | ***Chroococcus minutus* NTBN-11** | **PV009148** |
| 9 | ***Chroococcus turgidus* NTBN-13** | **PV009149** |
| 10 | ***Chroococcus turgidus* NTBN-14** | **PV009151** |
| 11 | ***Chroococcus minutus* NTBN-15** | **PV009150** |
| 12 | ***Spirulina subsalsa* NRMCF-16** | **KF752439** |

## 45. DNA Barcode of Fungi using ITS regions

| No. | Fungal isolates | Barcode ID (BOLD) |
|---|---|---|
| 1 | *Trichoderma viride* NTDMF01 | NTDMF001-10 |
| 2 | *Penicillium citrinum* NTLF05 | NTMLF001-11 |
| 3 | *Emericella nidulans*NTLF03 | NTMLF002-11 |
| 4 | *Aspergillus sp.* NTLF06 | NTMLF003-11 |
| 5 | *Fusarium sp.* NTLF07 | NTMLF004-11 |
| 6 | *Trichoderma sp.* NTLF01 | NTMLF005-11 |

Ref.: http://www.boldsystems.org/index.php/Public_SearchTerms

## 46. Whole genome sequence

**(ION_TORRENT (Ion GeneStudio S5) WG Sequencer)**

| No. | Cyanobacterial isolates | GenBank Accession Number |
|---|---|---|
| **1** | ***Oscillatoria laete-virens* NRMCF 0139** | **PRJNA946290** |
| **2** | ***Oscillatoria cortiana* NRMCF 0138** | **PRJNA946287** |
| **3** | ***Oscillatoria splendida* NRMCF 0141** | **PRJNA943129** |
| **4** | ***Geitlerinema splendidum* NRMCF 0141** | **JASHIH000000000** |
| **5** | ***Kamptonema cortianum* NRMCF 0138** | **JASNGF000000000** |
| **6** | ***Geitlerinema calcuttense* NRMC-F 0142** | **NZ_JASVEJ000000000** |
| **7** | ***Oscillatoria amoena* NRMC-F 0135** | **JASVEI000000000** |
| **8** | ***Lymnospira fusiformis* NRMC-F 6962** | **JBFUXN000000000** |

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|---|---|---|
| 9 | *Adonisia turfae strain* NRMC_F 0410 | JBTMXM000000000 |
| 10 | *Adonisia turfae strain* NRMC-F 0468 | JBYTSR000000000 |

**47 . Number of Ph.D Thesis Adjudicated / *Viva voce*: One Hundred and Fifty-Seven (157) thesis**

| No | Name of the candidate | Name of the Guide | Name of the University / subject/ Year | Title of the Ph.D. thesis |
|---|---|---|---|---|
| 1 | **Ms. N.A. Uma Maheshwari** | Dr. P.V. Madhusoodanan | University of Calicut Calicut Botany - 2005 | Isolation and characterization of Nostocales (Cyanobacteria) of paddy fields of Kerala |
| 2 | **Mr. P. Krishnan**** | Dr. S. Ratnavel | Madurai Kamaraj University, Madurai. Botany, 2006 | Simulation model for forecasting blast disease of Rice |
| 3 | **Smt. M. Shamina** | Dr. P.V. Madhusoodanan | University of Calicut Calicut Botany - 2006 | "Characterization of the cyanobacteria *Scytonema cincinnatum* Ex Born et Flah. (Scytonemataceae) and *Westiellopsis prolifica* Janet (Stigonemataceae) of acidic soils of Kerala" |
| 4 | **Ms. V. Uma Rani*** | Dr. N. Anand | University of Madras, Chennai Botany, 2007 | Biodiversity of cyanobacteria from the sugarcane fields of Tamil Nadu, India |
| 5 | **MD. Abbas Khan** | Dr. Tasneem Fatma | Jamia Millia Islamia, New Delhi Biosciences, 2007 | Studies on proline in cyanobacteria under environmental stresses. |
| 6 | **Mr. K. Nirmal Kumar** | Dr. T. Ganesan | Pondicherry University, Pondicherry Plant Sciences, 2007 | Isolation, screening and molecular characterization of antibiotic producing marine actinomycetes. |
| 7 | **Ms. A. Ezhilarasi** | Dr. N. Anand | CAS in Botany University of Madras, Chennai Botany, 2007 | Molecular Taxonomic Studies on the genus *Anabaena* Bory. |
| 8 | **Mr. Satyendra Kumar** | Dr. Tasneem Fatma | Jamia Millia Islamia, New Delhi Biosciences, 2008 | Chlorinated pesticides stress response in Cyanobacteria |
| 9 | **Ms. Sunaina Zutshi** | Dr. Tasneem Fatma | Jamia Millia Islamia, New Delhi Biosciences, 2008 | Heavy metal stress induced enzyme in cyanobacteria |
| 10 | **Ms. Shweta Jotwani** | Dr. M.C.Kanchan | Bundelkhand University, Jhansi Microbiology, 2009 | Bioconversion of sugarcane baggasse and its utilization as non-conversion energy source. |
| 11 | ***Mr. P. Ashok Kumar** | Dr. V. Kannan | University of Madras, Chennai Botany, 2009 | Production, purification and characterization of an extracellular nuclease rom *Bacillus firmus* VKPACU-1 |

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|---|---|---|---|---|
| 12 | ****Mr. R. Vijayaraghavan** | Dr. S. Rajendran | Madurai Kamaraj University, Madurai<br>Botany. 2009 | Isolation and Identification of a Novel Agarolytic and Carrageenan Degrading Bacteria from Marine Sources. |
| 13 | **Mr. M. Babuselvam** | Dr. S. Ravikumar | Manonmaniam Sundaranar University,<br>Thirunelveli – 627 012<br>Marine Biotechnology 2009 | Scientific Evaluation of Safety and Efficacy profile of Marine Herbal Siddha Formulations in the Management of Arthritis |
| 14 | ****Mr. S. Subramani** | Dr. S. Rajendran | Madurai Kamaraj University, Madurai<br>Microbiology. 2009 | Antimicrobial effect of neem on *Salmonella* and other sewage bacteria |
| 15 | ****Mrs. C.N. Murugalakshmi** | Dr. S. S. Sudha | Bharathiar University, Coimbatore<br>Microbiology, 2010 | Studies on *Psudomonas fluorescens* as a significant biocontrol alternative to chemical agent against *Sclerotium rolfsii* – root rot fungus of *Arachis hypogea*. |
| 16 | **Mr. Avik Kumar Choudhury** | Dr. Ruma Pal | University of Calcutta Kolkatta<br>Botany, 2010 | Phytoplankton dynamics of coastal West Bengal with special reference to bioaccumulation of heavy metals. |
| 17 | ****Mr. S. Padmanabhan** | Dr. Ranjan Prasad | Madurai Kamaraj University Madurai<br>Biotechnology, 2010 | *Streptomyces* gene expression and regulation for daunorubicin production and transport. |
| 18 | **Ms. M. Bakyalakshmi** | Dr. N. Mohan | CAS in Botany<br>University of Madras, Chennai<br>Botany, 2010 | Isolation, purification and characterization of restriction endonuclease from *Bacillus mycoides strain BMI* and *Bacillus strain BM2* |
| 19 | ****Mr. M. Gnanadesigan** | Dr. S. Ravikumar | Alagappa University, Karaikudi<br>Oceanography & Costal Area Studies, (Int. Disip.-Biotechnology) - 2010 | Studies on the hepatoprotective and antioxidant activity of chosen marine halophytes for the management of liver damage. |
| 20 | ***Ms. M. Kanimozhi** | Dr. V. Kannan | CAS in Botany<br>University of Madras, Chennai<br>Botany, 2010 | Bioremediation of chromium contaminated soil and characterization of chromate reductase from a rhizosphere bacterium. |
| 21 | ***Mr. K. Ramakrishnan** | Dr. N. Raaman | CAS in Botany<br>University of Madras, Chennai<br>Botany, 2011 | Studies on the development of floral buds in *Vanilla plantifolia* Andrews |
| 22 | **Mr. P.K. Maheshwar** | Dr. G.R. Janardhana | University of Mysore, Mysore- 570 006<br>Microbiology 2011 | Diversity of *Fusarium* species and extent of Fumonisin contamination in Rice (*Orysa sativa* L. grown in Karnataka, India. |
| 23 | ***Mr. R.V. Prabu** | Dr. K. Murugan | Periyar University<br>Salem – 636 011<br>Microbiology - 2010 | Phytochemical and molecular docking studies on certain Indian medicinal plants for |

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| | | | | antiviral properties against HIV and HBV |
| 24. | ****Mr. M. Syed Ali** | Dr. S. Ravikumar | Alagappa University, Karaikudi Oceanography & Costal Area Studies, (Int.Disip.-Biotechnology) 2011 | Screening of various biological resources from Gulf of Mannar for the management of Dengue fever. |
| 25. | ****Ms. A. Kalaiarasi** | Dr. S. Ravikumar | Alagappa University, Karaikudi Oceanography & Costal Area Studies - 2011 | Effect of ecofriendly vermicompost from seagrass on the growth, yield and biochemical properties of agricultural crop plants |
| 26 | **Ms Saman Mushir** | Dr. Tasneem Fatma | Jamia Millia Islamia, New Delhi, Biosciences, 2011 | Screening and optimization of Mycosporine-like aminoacids and scytonemin (sunscreen pigments) in cyanobacteria |
| 27 | ****Ms. S. Deepa** | Dr. K. Padmakumar | University of Kerala Thiruvananthapuram Aquatic Biology and Fisheries - 2011 | Chemical ecology of selected marine organisms |
| 28 | ****Ms. K. Rasmi** | Dr. Ranjan Prasad | Madurai Kamaraj University Madurai Biotechnology, 2011 | Biochemical and genetic analysis of interaction between daunorubicin and secreted serine protease of *Streptomyces peucetius* |
| 29 | ***Mr. K. Syed Musthafa** | Dr. A.Veera Ravi | Alagappa University Karaikudi – 630 003 Biotechnology - 2011 | Anti-Quorum Sensing and Antimicrobial potential of marine sediment bacteria. |
| 30 | **Mr.V. Venkata Ramana** | Dr. (Mrs.) Ch. Sasikala | Jawaharlar Nehru Technological University Hyderabad – 500 085 Biotechnology - 2011 | Cultured Diversity of Anoxygenic Phototrophic Purple Bacteria of diverse habitats of India. |
| 31 | ***Mr. P. Dhamodhar** | Dr. R. Saravanan | Periyar University, Salem- 636 011 Biotechnology - 2011 | A study on drug resistant *Streptococcus pyogens* with special reference to sequencing, PCR – RFLP and cloning of 'emm' gene and evaluation of the active principles of afen herbal extracts for their antimicrobial activity. |
| 32 | ****Mr. V. Karuppiah** | Dr. K. Sivakumar | CAS in Marine Biology Annamalai University Parangipettai – 608 502 Marine Biotechnology -2011 | Ecology, Diversity and Bioactivity of Marine Actinobacteria of the Gulf of Mannar Biosphere Reserve, India. |
| 33 | ****Ms. D. Sangeetha** | Dr. D. Stella | Department of Microbiology Annamalai University Annamalainagar – 608 002 Microbiology -2012 | Studied on the development of microbial consortia for the enhancement of biomass production of medicinal plant Vetiver (*Vetiveria zizanioides* L.) |

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|---|---|---|---|---|
| 34 | ****Ms. J. Vimalin Hena** | Dr. S. S. Sudha | Bharathiar University, Coimbatore Microbiology, 2012 | Molecular profiling of community assosiated methicillin resistant *Staphylococcus aureus* isolated from school children and it's antimicrobial peptides *invivo* and *in vitro* characterization. |
| 35 | ****Mr. B. Suresh** | Dr S. Maruthamuthu | Alagappa University Karaikudi 630 003 Microbiology - 2012 | Degradation of Plastics by Microbes |
| 36 | **Ms. Nilofer Khatoon** | Dr. Ruma Pal | University of Culcutta Kolkatta 700 019 Botany - 2012 | Growth and nutritional parameter analysis of some microalgae and their beneficial role in the diet of *Labeo rohita* (Rohu) and *Carassius auratus* (Gold fish) |
| 37 | **Ms Midhila Padman** | Dr. G. R. Janardhana | University of Mysore, Mysore - 570 006 Microbiology 2012 | Microbiological studies on leaf spot disease of *Murraya koenigii*. |
| 38 | ****Ms G. Karthikai Devi** | Dr. P. Anantharaman | CAS in Marine Biology Annamalai University Parangipettai – 608 502 Marine Biology and Oceanography -2012 | Evaluation of phytochemicals, antioxidant and antiproliferative properties of selected seaweeds from Gulf of Mannar |
| 39 | ***N. Mathiyazhagan** | Dr. D. Natarajan | Dept. of Biotechnology Periyar University Salem - 636 011 Biotechnology 2013 | Assessment of microbial diversity and its effective bioremediation process to minimize heavy metals from mining area (Bauxite and Magnesite) through biotechnological approach. |
| 40 | ****Mr. L. Mugilan** | Dr. R. Ilango | Department of Microbiology Annamalai University Annamalainagar – 608 002 Microbiology -2012 | Development of microbial technology for the management and effective utilization of coir pith waste. |
| 41 | ****Mr. M. Sakthivel** | Dr. B. Deivasigamani | CAS in Marine Biology Annamalai University Parangipettai – 608 502 Marine Biotechnology- 2012 | Immunomodulatory studies on polysaccharides from selected terrestrial plants and seaweeds in milkfish *Chanos chanos* against *Vibrio parahaemolyticus.* |
| 42. | ****Mr. K. Sathiyaseelan** | Dr. D. Stella | Department of Microbiology Annamalai University Annamalainagar – 608 002 Microbiology -2012 | Isolation, Characterization and Pharmacological screening of novel metabolites from *Actinomycetes* sp. isolated from mangrove ecosystem of Tamilnadu region for the treatment of Diabetes Mellitus. |
| 43 | ****Mr. R. Ilayaraja** | Dr. Radha Madhavan | Department of Medical Microbiology | Study of the probiotic and antibacterial activity and |

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| | | | SRM University<br>Kattankulathur - 603 203<br>Microbiology - 2012 | characterization of *Lactobacillus* strains isolated from human breast milk. |
| 44 | ****Mr. J. Rajesh Singh** | Dr. S. Jayalakshmi | Faculty of Marine Sciences<br>CAS in Marine Biology<br>Annamalai University<br>Parangipettai – 608 502<br>Marine Biotechnology- 2013 | Isolation and purification of small peptide antibiotic from mangrove sediment - A metagenomic approach. |
| 45 | ****Ms. C. Aarthi** | Dr. K. Sivakumar | Faculty of Marine Sciences<br>CAS in Marine Biology<br>Annamalai University<br>Parangipettai – 608 502<br>Marine Biotechnology- 2013 | Ecology, diversity and biofuel potential of Actinobacteria of the mud volcano of an oceanic island, Baratang, The Andamans, India |
| 46. | **T.M.Namasivayam** | Dr.Sm. Muthukkaru-ppan | Department of Microbiology<br>Annamalai University<br>Annamalainagar – 608 002<br>Microbiology -2012 | Studies on the microbial solubilization of organic siliceous rice residues and its impact on the enhancement of Blast disease management in lowland rice. |
| 47. | ****R. Suresh Kumar** | Dr. P. Ganesh | Department of Microbiology<br>Annamalai University<br>Annamalainagar – 608 002.<br>Microbiology -2013 | Bioconversion of coir pith waste by different methods and its effect on growth and yield of Groundnut (*Arachis hypogaea* L.) by field application studies |
| 48. | ****R. Elaiya Raja** | Dr. P. Ganesh | Department of Microbiology<br>Annamalai University<br>Annamalainagar – 608 002.<br>Microbiology -2013 | Studies on production and molecular characterization of bioactive substances from certain edible mushrooms using different substrates. |
| 49 | ****R. Rani** | Dr. K. Sivakumar | Department of Botany<br>Annamalai University<br>Annamalainagar – 608 002.<br>Botany -2013 | Ecology and biodiversity of fresh water microalgae in Chidambaram, Cuddalore district of Tamilnadu with special reference to phycoremediation. |
| 50 | ****G. Karunakaran** | Dr. V. Rajendran | Faculty of Science & Humanitics<br>Anna University<br>Chennai - 600 025 | Investigations on toxicological behaviour of Nano $SiO_2$, $Al_2O_3$, $TiO_2$ and $ZrO_2$ particles in different environments. |
| 51 | **Anitha Mishra** | Dr. Sailabala Padhi | PG Department of Botany<br>Berhampur University<br>Berhampur - 760 007<br>Odisha<br>Botany - 2013 | Evaluation of algal flora of a fresh water reservoir Tampara at Chatrapur (Orissa) for monitoring water quality effluent treatment and biological potential as biofertilizer . |
| 52 | ****K. Girija** | Dr. P. Anantharaman | Faculty of Marine Sciences<br>CAS in Marine Biology<br>Annamalai University<br>Parangipettai – 608 502<br>Marine Biotechnology- 2013 | Partial characterization and comparative study of phenolic compounds from selected seaweeds and their bioactive potentials. |

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| 53 | ****A. Hemalatha** | Dr. P. Anantharaman | Faculty of Marine Sciences<br>CAS in Marine Biology<br>Annamalai University<br>Parangipettai – 608 502<br>Marine Biology and Oceanography - 2013 | Diversity of phytoplankton and bioactive potentials of selected marine diatioms in Cuddalore coastal waters, southeast coast of India. |
| 54 | ****H. Sridhar** | Dr. (Mrs) S. Umamaheswari | Dept. of Biotechnology<br>Manonmanium Sundaranar University<br>Tirunelveli – 627 012<br>Biotechnology / Microbiology - 2014 | Diversity and distribution of *Salmonella* specific phages in Tamil Nadu and their phage therapy efficiency. |
| 55 | ****Neha Gosh** | Dr. A.K. Goel | Bharathiar University<br>Coimbatore – 641 046<br>Biological Sciences - 2014 | Development of Immunological detection and Diagnostic Systems for Anthrax from environmental and clinical samples. |
| 56 | ***V. Gopinath** | Dr. P. Velusamy | SRM University<br>Kattankulathur – 603 203<br>Biotechnology - 2014 | Biological Synthesis and application of metal nanoparticles. |
| 57 | ****G. Abirami** | Dr. K. Kathiresan | Faculty of Marine Sciences<br>CAS in Marine Biology<br>Annamalai University<br>Parangipettai – 608 502<br>Marine Microbiology- 2014 | Studies on anaerobic bacteria isolated from mangrove environment. |
| 58 | ****T. Thinakaran** | Dr. K. Sivakumar | Department of Botany<br>Annamalai University<br>Annamalainagar – 608 002.<br>Herbal Science -2013 | Pharmacognostical, phycochemical and anti-diabetic effect of *Sargasam wightii* on streptozotocin induced male Albino Wister rats. |
| 59. | ****S. Sankar** | Dr. S. Jayalakshmi | Faculty of Marine Sciences<br>CAS in Marine Biology<br>Annamalai University<br>Parangipettai – 608 502<br>Marine Microbiology- 2014 | Production, Characterization, evaluation of a rhamnolipid biosurfactant from a marine strain *Pseudomonas stutzeri* and its agricultural applications. |
| 60 | ****S. Venkatachalam** | Dr. S.R. Prabagaran | Bharathiar University<br>Coimbatore – 641 046<br>Biotechnology – 2014. | Bacterial diversity in the Himalayan mountains of India and Nepal towards bioprospecting for cold-active enzymes |
| 61 | ****S. Silambarasan** | Dr. Jayanthi Abraham | VIT University<br>Vellore 632 014<br>Biosciences & Technology - 2014 | Microbial powder formulation for biodegradation of organophosphorus pesticides. |
| 62 | ***D. Sudha** | Dr.R. Balagurunathan | Dept. of Microbiology<br>Periyar University<br>Salem – 636 011<br>Microbiology - 2014 | Bioremediation of reactive azo dyes by *Bacillus licheniformis* and *Bacillus thuringiensis* isolated from textile effluent contaminated site. |
| 63 | **Jayanta Talukdar** | Dr. M.C. Kalita | Dept. of Biotechnology<br>Gauhati University<br>Guwahati – 781 014 | Isolation, screening and characterization of biodiesel potential of a few selected |

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| | | | Assam<br>Biotechnology – 2014. | freshwater oleaginous microalgae of Assam with special emphasis on *Botryococcus braunii* Kützing. |
| 64 | ***R. Suriyaprabha** | Dr. V. Rajendran | Faculty of Science & Humanitics<br>Anna University<br>Chennai - 600 025 | Application of silica nanoparticles for maize growth and yield improvement. |
| 65 | ****C. Initha Lebanon Ebency** | Dr. S. Rajan | Manonmanium Sundaranar University<br>Sri Paramakalyani Centre of Excellence in Environmental Science<br>Alwarkurichi – 627 412<br>Microbiology – 2014. | Microbial degradation of Azo dyes using natural/wild strains |
| 66 | **Elizabeth Thokchom** | Dr.M.C. Kalita | Dept. of Biotechnology<br>Gauhati University<br>Guwahati 78 014<br>Assam<br>Biotechnology - 2014 | Rhizobacterial community and plant growth promotion of *Citrus reticulate* Blanco |
| 67 | **Kumari Pushpa Rani, T.P.** | Dr. B. Vijayalakshmi Amma | Department of Chemistry<br>Noorul Islam University<br>Kumaracoil – 629 180<br>Tamilnadu<br>Microbiology - 2014 | Genetic variability of lower respiratory tract pathogens and their susceptibility to Indigenous medicinal plants. |
| 68 | ***R. Seenivasagan** | Dr. P.M. Ayyasamy | Dept. of Microbiology<br>Periyar University<br>Salem – 636 011<br>Microbiology - 2014 | Studies on nitrate removal from ground water and soil through lab scale processes using denitrifying bacteria. |
| 69 | **Basha Sreenivasulu** | Dr. Ch. Paramageetham | Dept. of Microbiology<br>Sri Venkateswara University<br>Tirupati – 517 502<br>Microbiology - 2014 | Isolation, screening characterization and biobenificiation of alkaliphiles associated with muscovite. |
| 70 | **V. K. Praveen** | Dr. J. Savitha | Dept. of Microbiology & Biotechnology<br>Bangalore University<br>Bangalore – 560 056<br>Microbiology - 2015 | Comparative analysis of Lovastatin Production in Soil and Endophytic Fungi |
| 71 | **L. Sreelatha** | Dr. T. Sharmila | Dept. of Microbiology & Biotechnology<br>Bangalore University<br>Bangalore – 560 056<br>Microbiology - 2015 | Antifungal activity of medicinal plant extracts on *Malassezia furfur*. |
| 72 | ****M. Srikumar** | Dr. K. Padmakumar | Department of Aquatic Biology and Fisheries<br>University of Kerala<br>Thiruvananthapuram<br>Kerala – 695 581<br>Aquatic Biology and Fisheries - 2015 | Ecological interactions and defense strategies of Marine organisms |
| 73 | ****M. Suresh** | Dr P. Anantharaman | Faculty of Marine Sciences<br>CAS in Marine Biology<br>Annamalai University<br>Parangipettai – 608 502 | Investigation on biofouling communities of Vellar Estuary, South East Coast of India and identification of |

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| | | | Marine Microbiology - 2015 | environmentally benign antifouling compounds from the selected Seaweeds |
| 74 | ****F. Prija** | Dr. Ranjan Prasad | Department of Genetic Engineering School of Biotechnology, Madurai Kamaraj University Madurai-625021 Biotechnology March 2015 | Analysis of self resistance mechanisms of Anthracycline producing *Streptomyces* |
| 75 | ****S.U. Anusha** | Dr.S.K. Sundar | Dept. of Microbiology Noorul Islam College of Arts and Science, Kumaracoil Kanniyakumari-629180 Manonmaniam Sundaranar University, Microbiology August 2015 | Screening of Multidrug resistant urinary tract bacteria and its genetic variability pattern. |
| 76 | ****R. Preethi** | Dr. P.R.Padma | Dept. of Biotechnology Avinashilingam Institute for Home Science and Higher Education for Women. Coimbatore – 641 043. November 2015 | Green synthesis for biologically active silver nanobioconjugates using eugenol and resveratrol and their plant sources, Piper betel leaves and Vitis vinifera seeds. |
| 77 | ****Sangeetha Menon** | Dr. V. Mohan | Dept. of Microbiology Division of Forest Protection Institute of Forest Genetics and Tree Breeding Coimbatore – 641 002 January - 2015 | Diversity and effect of Plant Growth Promoting Rhizobacteria (PGPR) and Arbuscular Mycorrhizal (AM) fungi as bioinoculants for growth enhancement of selected native tree species" |
| 78 | ***P. Sugandhi** | Dr. D. Arvind Prasanth | Dept. of Microbiology Periyar University Salem – 636 011 Microbiology - 2016 | Clinical profile and microbiological investigation of diabetic foot infections in foot care hospitals in and around Salem, Tamilnadu. |
| 79. | **T.S. Geetha** | Dr. N. Geetha | Dept. of Biotechnology Mother Teresa Women's University Kodaikanal – 624 102 Biotechnology - 2016 | Pharmacognostic evaluation and assessment of anticancer potential using plant acetone extract, plant mediated silver nanoparticles and isolated compounds of *Cymbopogan citratus* (DC) Stapf leaves. |
| 80 | **Meenu Panwar** | Dr. Rupinder Tewari | Department od Microbial Biotechnology Punjab University Chandigarh – 160 014 Microbial Technology 2016 | Evaluation of Plant growth promoting Rhizobacteria on a Legume crop grown under salt stress condition. |
| 81 | **Sandeep Kaur** | Dr.J.I.S. Khattar | Department of Botany Punjabi University Patiala 157 002 Botany - 2016 | Isolation, optimization and characterization of phycobiliproteins from selected cyanobacteria. |

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| 82 | **Jeevesh Nadda** | Dr. D.P. Singh | Department of Botany<br>Punjabi University<br>Patiala 157 002<br>Botany - 2016 | Characterization and optimization of Chlorpyrifos removal and tolerance mechanism in the cyanobacterium *Synechocystis* sp. strain PUPCCC 64. |
| 83 | **S. Mahadevakumar** | Dr.G.R.Janardhana | Department of Studies in Botany<br>University of Mysore<br>Manasagangotri<br>Mysore – 570 006<br>Botany - 2016 | Biochemical and Molecular characterization of Pathogenesis Related Proteins (PRP's) and their role in conferring resistance in *Solanum melongena* L. against *Phomopsis vexans*. |
| 84 | **Sumbul Afreen** | Dr. Tasneem Fatma | Department of Biosciences<br>Faculty of Natural Sciences<br>Jamia Millia Islamia<br>New Delhi – 110 025<br>July 2016 | Detection and Characterization of laccase from cyanobacteria. |
| 85 | **R.M.Bhute** | Dr.C.J. Chandekar | Faculty of Science<br>Rastrasant Tuhadoji Maharaj Nagpur University<br>Nagpur – 440 033<br>Microbiology - 2015 | Isolation and Characterization of Microorganisms/Bacteria in Basi Bhat – A conventional Indian fermented food. |
| 86 | ****S. Balaji** | Dr. C. Rajasekaran | School of Bioscience & Technology<br>VIT University,<br>Vellore – 632 014<br>November - 2016 | Phycoremediation efficacy of Microalgae species against Cr(VI) contaminants in Tannery effluents. |
| 87 | **Shaheen Husain** | Dr. Tasneem Fatma | Department of Biosciences<br>Faculty of Natural Sciences<br>Jamia Millia Islamia<br>New Delhi – 110 025<br>November 2016 | Biosynthesis, Screening, Optimization and Characterization of Silver Nanoparticles using Cyanobacteria |
| 88 | **N. Usha** | Dr.G.R. Janardhana | Dept. of Studies in Botany<br>University of Mysore<br>Manasagangotri<br>Mysore – 570 006<br>Karnataka<br>January 2017 | Studies on Diversity of Basidiomycetes from Western Ghats of Karnataka and Bioprospecting of Bioactive compound. |
| 89 | ****M. Sudha Devi** | Dr. P. R. Padma | Dept. of Biotechnology<br>Avinashilingam Institute for Home Science and Higher Education for Women.<br>Coimbatore – 641 043.<br>February 2016 | A study on the therapeutic potential of silver and gold nanobioconjugates from *Clitoria ternatea* leaves. |
| 90 | **Prachi Arun Zawar** | Dr P.R. Puranik | School of Life Sciences,<br>North Maharahstra University,<br>Jalgaon 425001<br>Maharastra State<br>Biotechnology<br>January 2017 | Carbon dioxide sequestration by alkaliphilic microalgae with teeming biotechnological potentials |
| 91 | **Neha Anil Mupidwar** | Dr. Arun B. Ingle | Faculty of Science | Serotyping, Antimicrobial Resistance & PCR |

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| | | | Rastrasant Tuhadoji Maharaj Nagpur University Nagpur – 440 033 Microbiology November 2015 | Amplification studies on *E. coli* isolates from drinking water sources. |
| 92 | ****R. Karpagam** | Dr.P. Varalakshmi | Department of Molecular Microbiology School of Biotechnology, Madurai Kamaraj University Madurai-625021 Biotechnology December 2016 | Production of biodiesel from oleaginous microalgae: strain selection, media optimization and metabolic engineering for enhanced lipid biosynthesis. |
| 93 | **Mugdha S. Apte** | Dr. Smita S. Zinjarde | Faculty of Science Institute of Bioinformatics and Biotechnology Savitribai Phule Pune University Pune – 411 007 Microbiology 2017 | Application of Marine microbial systems in the synthesis of Gold and silver nanostructures. |
| 94 | ****C. Aravindraja** | Dr. S. Karutha Pandian | Department of Biotechnology Alagappa University, Karaikudi – 630 003 Biotechnology - 2017 | Exploration of bacterial diversity and functional aspects of marine sediment through metagenomics and metaproteomics. |
| 95 | ****S. Sivapriyadharshini** | Dr. P.R.Padma | Dept. of Biotechnology Avinashilingam Institute for Home Science and Higher Education for Women. Coimbatore – 641 043. September 2016 | Effect of Quercetin and Kaempferol on the genomic and proteomic components of oral cancer cells. |
| 96 | ****T. Punitha** | Dr. K. Moorthy | Department of Microbiology Vivekananda College of Arts & Science for Women Tiruchengode – 637 205 Periyar University February 2017 | Mycological and Molecular Profile keratohyalohypho - mycosis from ocular clinical samples in a tertiary eyecare hospital, Tamil Nadu, South India. |
| 97 | ****R. Vinothini** | Dr. K. Moorthy | Department of Microbiology Vivekananda College of Arts & Science for Women Tiruchengode – 637 205 Periyar University February 2017 | Prevalence of antifungal susceptibility and virulence factors of *Candida albigans* and non *albicans Candida* species from Eastern Tamilnadu, India. |
| 98 | **S. Dinesh Kumar** | Dr. S. Sudhakar | Dept. of Biotechnology Manonmaniam Sundaranar University Tirunelveli - 627 012 August 2017 Biotechnology – Molecular Biology (Interdisciplinary) August 2017 | Molecular and Functional studies of Riboflavin source in Earthworm and their Applications |
| 99 | ****S. Boopathi** | Dr. N. Sivakumar | Department of Molecular Microbiology School of Biotechnology Madurai Kamaraj University Madurai - 625 021 Biotechnology | Stigmatillin Y – a Quorum sensing inhibitor from marine *Bacillus subtilis* BR4 possibly interferes in PQS-PqsR mediated quorum |

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| | | | June 2017 | sensing system in *Pseudomonas aeruginosa* |
| 100 | ****K. Jawahar Raj** | Dr. P. Varalakshmi | Department of Molecular Microbiology<br>School of Biotechnology,<br>Madurai Kamaraj University<br>Madurai-625021<br>Biotechnology<br>January 2018 | Green energy from oleaginous unicellular cyanobacteria: Production, optimization and over expression studies for biodiesel production |
| 100 | **P.V.Giri Prasad** | Dr. Ch. Paramageetham | Department of Microbiology<br>S V U College of Sciences<br>Sri Venkateshwara University<br>Tirupati – 517 502<br>Andhra Pradesh<br>Microbiology<br>July 2017 | Molecular Characterization of Multidrug resistance in Mycobacterium tuberculosis isolated from southern districts of Andhra Pradesh. |
| 101 | **N. Arul Muthu Kumaran** | Dr. M. Hussain Munavar | Dept. of Molecular Biology<br>School of Biological Sciences<br>CAS in Functional and Organismal Genomics<br>Madurai Kamaraj University<br>Madurai – 625021<br>September 2017 | Genetic regulatory mechanisms in *Escherichia coli*: Analyses of elicitation of Alp (Alternate Lon Protease) phenotype by mutations that affect functions of DnaJ and DnaK. |
| 102 | ****K. Rama Devi** | Dr. A. Veera Ravi | Department of Biotechnology<br>Alagappa University,<br>Karaikudi – 630 003<br>Biotechnology - 2018 | Deciphering the Efficacy of Natural Antipathogenic Agents against Virulence and Biofilm formation of Gram-Negative Bacterial Pathogens. |
| 103 | ****B. Shanmuganathan** | Dr. K. Pandima Devi | Department of Biotechnology<br>Alagappa University,<br>Karaikudi – 630 003<br>Biotechnology - 2018 | Protective potential of *Padina gymnospora* and its active compound α-Bisabolol against the neurotoxic β-Amyloid peptide: An *in vitro* and *in vivo* study. |
| 104 | **Nazia Ahmad** | Dr. Tasneem Fatma | Department of Biosciences<br>Jamia Millia Islamia,<br>New Delhi – 110 025<br>Biosciences, 2018 | Role of phytohormone (IAA) in pesticide resistance in cyanobacterial biofertilizer. |
| 105 | ****S. Thiyagarajan** | Dr. S. Kathiresan | Dept. of Molecular Biology<br>School of Biological Sciences<br>Madurai Kamaraj University<br>Madurai – 625021<br>April 2018 | Molecular Studies on high value polyunsaturated fatty acid genes from Marine Microalgae. |
| 106 | **J.M. Aswathy** | Dr. K. Murugan | Department of Botany<br>University College,<br>Thiruvananthapuram, Kerala<br>University of Kerala<br>March 2018 | *In vitro* production, purification of anthocyanin and analysis ofbiological potentialities from *Begonia malabarica* Lam. and *Begonia rex-cultorum* (Baby Rainbow) L.H.Bailey |
| 107 | **C.H. Kavitha** | Dr. K. Murugan | Department of Botany<br>University College,<br>Thiruvananthapuram, Kerala<br>University of Kerala | Mechanism of drought tolerance in *Dicranopteris linearis* (Burm.f.) C.B.Clarke (Pteridophyta) and its |

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| | | | March 2018 | management through different methods. |
| 108 | **D. Jagadeeshkumar** | Dr. S. Rajan | Department of Microbiology<br>Manonmaniam Sundaranar University<br>Thirunelveli – 627 012<br>February 2018 | Molecular characterization and assessment of MDRco in *E. coli* isolated from AGE. |
| 109 | **R. Krishna Priya** | Dr. K. Padmakumar | Department of Aquatic Biology and Fisheries<br>University of Kerala<br>Thiruvananthapuram<br>May 2018 | Diversity and Chemical Ecology of Endosymbionts in Marine Organisms. |
| 110 | **Sonule Manju Devidas** | Dr. R.M. Mulani | Department of Botany<br>School of Life Sciences<br>Swami Ramanand Teerth Marathwada University<br>Nanded – 431 606<br>Maharashtra State<br>September 2018 | Algal Diversity of Yeldari Dam, Isolation, Identification and Biosynthesis of Silver Nanoparticles and Bioactivity of few species. |
| 111 | **Shoba Gupta** | Dr. Z.P.Bhathena | Department of Microbiology<br>Bhavan's College<br>Andheri (W)<br>University of Mumbai<br>Mumbai – 400 058<br>January 2018 | Evaluation of Mannan Producing organisms for optimum production of Mannan oligosaccharide (MOS) as Prebiotic in *Catla catla* |
| 112 | ****Mr. Muhammed Manzoor, A. P.** | Dr. P.D.Rekha | Yenepoya Research Centre<br>Yenepoya (Deemed to be University)<br>Mangalore – 575 018<br>October 2018 | Characterization of Urinary calculi and studies on the role of microbiome in Urolithiasis |
| 113 | **R. Meenatchi** | Dr Joseph Selvin | Dept. of Microbiology<br>School of Life Sciences<br>Pondicherry University<br>Puducherry – 605 014<br>November 2018 | Culture dependent and metagenomic analysis of coral microbiome with implications of Zooxanthellae clade and its interactions with bacteria to evolve thermal resistance in corals of Palk Bay: Insights into coral bleaching and sponge attack. |
| 114 | **T. Rajavel** | Dr. K. Pandima Devi | Department of Biotechnology<br>Alagappa University,<br>Karaikudi – 630 003<br>Biotechnology<br>June 2018 | Anticancer mechanism of β-sitosterol and Daucosterol (phytosterols from G*rewia tiliaefolia*) on human lung cancer cells: an i*n vitro* study |
| 115 | **Jinal Hardikkmar Naik** | Dr. N. Ameresan | Department of Applied Sciences<br>C.G. Bhakta Institute of Biotechnology,<br>Bardoli, Surat 394 350<br>Science<br>January 2019. | Exploitation of medicinal plant associated bacteria for the management of wilt causing plant pathogens: *in vitro, in silico* and *in vivo* analysis |
| 116 | **R. Dhanasekar** | Dr, R. Dhandapani | Dept. of Microbiology<br>Periyar University<br>Salem – 636 011<br>Microbiology - 2019 | Role of probiotics in the control of bacterial and parasitic diseases and biodegradation of organic matter in Shrimp (*Penaeus vannamei*) culture. |
| 117 | ****R.C. Sumangala** | Dr. D. Ganesh | Department of Plant Biotechnology | Population genetic structure of *Saraca asoca*: An |

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| | | | School of Biotechnology<br>Madurai Kamaraj University<br>Madurai – 625 021<br>Biotechnology - 2019 | endangered tree species in the Western Ghats, India: Approaches for conservation. |
| 118 | **M. Vikramathithan** | Dr, R. Dhandapani | Dept. of Microbiology<br>Periyar University<br>Salem – 636 011<br>Microbiology - 2019 | Application of bacterial consortium as probiotics for the control of Blue-green algae and parasitic infection in *Penaeus vannamei* culture. |
| 119 | **B. Sundarapandiyan** | Dr. S. Jayalakshmi | Faculty of Marine Sciences<br>CAS in Marine Biology<br>Annamalai University<br>Parangipettai – 608 502<br>Marine Biotechnology -2019 | Bioprospecting of Marine Anaerobes. |
| 120 | **K. Saranyadevi** | Dr V Mohan | Institute of Forest Genetics and Tree Breeding<br>Coimbatore – 641 002<br>Microbiology - 2019 | Studies on salt tolerant beneficial microbes on growth improvement of tree seedlings under saline condition. |
| 121 | **K. Sujitha** | Dr. Joseph Selvin | Dept. of Microbiology<br>School of Life Sciences<br>Pondicherry University<br>Puducherry – 605 014<br>Microbiology - 2019 | Development of probiotic consortium to contain *Aliivibrio fischeri* SK11, a secondary Etiological agent of WSSV infected shrimp *Penaeus monodon.* |
| 122 | **T. Swetha Thilak** | Dr P.V. Madhusoodanan | KSCSTE – Malabar Botanical Garden and Institute for Plant Science<br>University of Calicut<br>Kozhikode – 673 014<br>Kerala<br>Botany 2019 | Molecular systematics of the Blue-green algae *Nostoc* spp. and *Anabaena* sp. (Nostocales) of Kerala. |
| 123 | **R. Sreerekha** | Dr. K. Padmakumar | Department of Aquatic Biology and Fisheries<br>University of Kerala<br>Thiruvananthapuram<br>May 2019 | Ecology of plankton assemblages along the coastal waters of Trivandrum and adjoining areas. |
| 124 | **Shweta V. Deote** | Dr. Arun B. Ingle | Dept. of Microbiology<br>S.K. Porwal College<br>Kamptee – 441 001, Nagpur<br>(Swami Tukadoji Maharaj Nagpur University)<br>September 2018 | Phylogenetic analysis of bacterial isolates from chromium enriched soil. |
| 125 | ***R. Selvaraj** | Dr. I. Ganesh Moorthy | Dept. of Biotechnology<br>Kamaraj College of Engineering & Technology<br>Virudhunagar – 626 001<br>(Anna University)<br>April 2019 | Production of Biodiesel from used edible oils: Optimization and validation |
| 127 | **G. P. Bhavana** | Dr. Kumudini Belur Satyan | Dept. of Biotechnology,<br>School of Sciences,<br>JAIN (Deemed to be University). Bengaluru<br>May 2020 | Somatic embryogenesis as an efficient method for *in vitro* production of Anthurium |
| 128 | **Indira Priyadarshani** | Dr. Biswajit Rath | Department of Biotechnology<br>North Orissa University<br>Takatpur, Baripada, Odisha-757003, June 2020<br>Life Sciences | Isolation and characterisation of bioactive compounds from cyanobacteria of Orissa coast |

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| 129 | **B.E. Dhanya** | Dr. M. Chandra | Department of Postgraduate Studies and Research in Biosciences,<br>Mangalore University,<br>Mangalagangothri 574199<br>February 2020 | Characterization and Applications of Exopolysaccharides isolated from Marine Bacteria - Someshwar Beach, Dakshina Kannada |
| 130 | **S. Thamizhvanan** | Dr. A.S. Sahul Hameed | Department of Zoology<br>C. Abdul Hakeem College<br>Melvisharam – 632 509<br>Vellore District<br>Thiruvalluvar University<br>December 2019 | Studies on the resistance of *Macrobrachium rosenbergii* against White Spot Syndrome Virus |
| 131 | **Ms. R. Thilagam** | Dr. N. Hemalatha | Dept. of Microbiology<br>Periyar University<br>Salem – 636 011<br>Microbiology - 2020 | Bioactive compounds from Actinobacteria with a potential to inhibit Rice Blast Fungus *Magnaporthe oryzae* (Anamorph *Pyricularia oryzae*) |
| 132 | **Ms. Maneesha George** | Dr. P.W. Ramteke | Department of Biological Sciences<br>Sam Higginbottom University of Agriculture, Technology and Sciences<br>Prayagraj - 211007<br>(U.P.), India | Morphological and Molecular Identification of Pathogenic Oomycete from Lucknow and its Biological Control |
| 133 | **Ms. R. Rashmi** | Dr. S. Sudhakar | Dept. of Biotechnology<br>Manonmaniam Sundaranar University<br>Tirunelveli - 627 012<br>August 2019<br>Bioinformatics - 2019 | Next Generation Sequencing, Validation, Assembly and Annotation of Goat-Pathogenic *Bacillus* species. |
| 134 | **Mr. K.A. Hashim** | Dr. K. Padmakumar | Department of Aquatic Biology and Fisheries<br>University of Kerala<br>Thiruvananthapuram<br>May 2019 | Studies on Seaweed Resources of Selected Coastal Areas of Kerala |
| 135 | **Mr. Saket Siddharth** | Dr. V. Ravishankar Rai | Department of Studies in Microbiology<br>University of Mysore<br>Manasagangotri<br>Mysore – 570 006<br>October 2020 | Isolation, Characterization and Evaluation of Metabolites from Actinomycetes. |
| 136 | **S. Santhosh Kumar** | Dr. A.S. Sahul Hameed | Department of Zoology<br>C. Abdul Hakeem College<br>Melvisharam – 632 509<br>Vellore District<br>Thiruvalluvar University<br>May 2019 | Studies on the emerging diseases of Shrimp encountered in Indian Shrimp culture system |
| 137 | **Ms. Rabiya Sultana** | Dr. M.C. Kalita & Dr. Mojibur R. Khan | Life Science Division<br>Institute of Advanced Study in Science & Technology (IASST)<br>Guwahati – 781 035, Assam<br>November 2020 | Development of an efficient Microbial Fuel Cell system as a source of alternative energy. |
| 138 | **Mr. Soumya Ranjan Dash** | Dr. Mrutyunjay Jena | Post Graduate Department of Botany<br>Berhampur University<br>Berhampur – 760 007<br>Odisha | Algal Diversity of Freshwater Lakes of Odisha |

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| | | | April 2021. | |
| 139 | **Ms. C. Geethadevi** | Dr. R. Rajendran | Department of Microbiology<br>PSG College of Arts & Science<br>(Bharathiar University<br>Coimbatore – 641014<br>March 2021. | Enhanced microbial bioremediation of textile effluents with electrochemical pre-treatment followed by enzyme loaded nanofiber mediated process |
| 140 | **Ms. T. Rajeshwari** | Dr. C. Srinivas | Department of Microbiology & Biotechnology<br>Bangalore University<br>Bangalore 560 056<br>Microbiology<br>August 2021 | Isolation, Identification and Bioactive Potential of Endophytic Fungus from selected Aromatic Plants of Karnataka (Bhadra Wildlife Sanctuary) |
| 141 | **Ms. Neha Srivastava** | Prof. (Dr.) Rubina Lawrence | Department of Industrial Microbiology<br>Sam Higginbottom University of Agriculture, Technology and Sciences<br>Prayagraj - 211007<br>(U.P.), India<br>2021 | Algal Diversity and Antimicrobial Activity of Potential Algal Strain of Bundelkhand Region of Uttar Pradesh, India |
| 142 | **Ms. S. Sasirekha** | Dr. R. Balagurunathan | Department of Microbiology<br>Periyar University<br>Salem – 636 011<br>April - 2022 | Validation of Epigenetic Enzyme as cancer drug target and evaluation of Actinobacterial compound against cancer. |
| 143 | **Ms. Sreemanti Banerjee** | Dr. Ruma Pal | Department of Botany<br>University of Calcutta<br>Kolkata – 700 073<br>2021 | Diversity of Cyanobacteria from West Bengal and Bioprospecting in relation to Iron Nano -particle synthesis and its application. |
| 144 | **Ms. Tabassum Siddiqui** | Dr Tasneem Fatma | Department of Biosciences<br>Faculty of Natural Sciences<br>Jamia Millia Islamia<br>(Central University)<br>New Delhi – 110 025<br>2022 | Biosynthesis and Characterization of titanium dioxide nanoparticles using cyanobacteria and evaluation of its bioactivity |
| 145 | **Rahul Bose** | Dr. Ruma Pal | Department of Botany<br>University of Calcutta<br>Kolkata – 700 073<br>2022 | Diversity Study and Growth Performances of Diatom (Bacillariophyta) with Special Reference to Biotechnological Applications |
| 146 | **Mr. V. Rajasekar** | Dr R. Saravanan | Biomedical Engineering Research Foundation<br>Periyar University,<br>Salem – 636 122. | A sero-study on human Leptospirosis of Salem district, Western blot standardization for the diagnosis, *L. autumnalis* protein damage by SDS-PAGE, 'SphH' gene damage by PCR due to extracts of *Andrographis paniculata* and *Evolvulus alsinoides* with their Cytoprotectivity of human RBC. |
| 147 | **Mr. Animesh Sen** | Dr. Jnanendra Rath | Applied Phycology Laboratory<br>Department of Botany<br>Visva-Bharati | Characterization of bioactive secondary metabolites of marine cyanobacteria for novel anti-infectives |

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| | | | Santiniketan-731235 | |
| 148 | **Mr. G. Rajesh Gandhi** | Dr. Ch. Paramageetham | Dept. of Microbiology<br>Sri Venkateswara University<br>Tirupati – 517 502 | Influence of physico-chemical parameters on lipid content of four marine planktonic Diatom species for biodiesel production |
| 149 | **Ms. Subarna Saha** | Dr. Jnanendra Rath | Applied Phycology Laboratory<br>Department of Botany<br>Visva-Bharati<br>Santiniketan-731 235 | Novel bioactive secondary metabolites of crust Cyanobacteria using chemical epigenetics approach to Trigger cryptic natural product biosynthesis for drug Development |
| 150 | **Mr. R. R. Arun Renganathan** | Dr. V. Ravishankar | Department of Studies in Microbiology<br>University of Mysore<br>Manasagangotri<br>Mysore - 576 006 | Studies on Endophytic Fungi from medicinal plants and their biological activity. |
| 151 | **Mr. Ratul Bhattacharya** | Dr. Jai Prakash Keshri | Department of Botany<br>The University of Burdwan<br>Burdwan – 713 104<br>West Bengal | Investigations on the locally available strains of BGA for pigments exploring its economic potentials. |
| 152 | **Ms. T. J. Sushmitha** | Dr. S. Karuthapandian | Department of Biotechnology<br>Alagappa University,<br>Karaikudi – 630 003<br>Biotechnology | Assessment of micro-and macro-fouling community composition in the vicinity of a coastal power plant and evaluation of their antagonistic potential. |
| 153 | **Mr. Rahul Chandrakant Gaykhe** | Dr. K. N. Gaikwad | PG Department of Botany,<br>MVP'S KRTArt's<br>BH Commerce and AM Science (KTHM) College,<br>Nashik-422 002 | Studies on diversity of Blue Green Algae (BGA) from Trimbakeshwar Tehsil of Nashik District |
| 154 | **Ms. Shehzadi** | Dr Nadeem Ahmed | Department of Biosciences<br>Faculty of Life sciences<br>Jamia Millia Islamia<br>New Delhi-110025 | Synthesis and Characterization of Cyanobacterial Gold Nanoparticles |
| 155 | **Ms. Humaira Parveen** | Dr. Syed Shams Yazdani | Microbial Engineering Group<br>International Centre for Genetic Engineering and Biotechnology<br>Jawaharlal Nehru University<br>New Delhi – 110 067 | Molecular dissection of Hydrocarbon production mechanism in cyanobacteria |
| 156 | **Mr. Avinash Singh** | Dr. R.K. Asthana | Department of Botany<br>Banaras Hindu University<br>Varanasi 221005 | Deciphering the Carbon Flux using Enzymatic and Metabolomic Approaches in *Chlamydomonas reinhardtii* under Two-Stage Photoautotrophic and Mixotrophic Cultivation Strategy: Characterization of Biomass and Lipids for Bioenergy Attributes |
| 157 | **Ms. Pushpita Nath** | Dr. Jayashree Rout | Department of Ecology & Environmental Science<br>E.P. Odum School of Environmental Sciences<br>Assam University, Silchar-788011, Assam, India | Freshwater Algal Blooms of Barak Valley, Assam and their Bioprospection Potentials |

## 48. Details of Students guided by Prof. N. Thajuddin and their present positions

| S.No | Scholars | Name and Course Studied | Current Position | Contact Details |
|---|---|---|---|---|
| 1 |  | ***Dr. A. Nagasathya*** *(Ph.D)* | Associate Professor & Head, Dept. of Zoology, Govt. Arts College for Women, Pudukkottai – 622 001. | vishu11@hotmail.com 9443476541, 7904970177 |
| 2 |  | **Dr. R. Shyam Kumar** (Ph.D) | Professor, Department of Biotechnology, Kamaraj College of Engineering and Technology, Virudhunagar – 625 701 | kingshyam2003@gmail.com 8610058770 |
| 3 |  | **Dr. V. Thiyagarajan** (Ph.D) | Associate Professor & Head, Dept. of Microbiology, Govt. Arts College for Women, Salem 636 008 | 9790491541 |
| 4 |  | **Dr. G. Muralitharan** (Ph.D) | Professor, Dept. of Microbiology, Director, NFMC Bharathidasan University, Tiruchirappalli 620 024 | gmuralitharan2002@ yahoo.co.in 9677627259 |
| 5 |  | **Dr. A. Anandavalli** (Ph.D) | Associate Researcher, Faculty of Dentistry, Kuwait University, Safat-13110, Kuwait | drannie@hsc.edu.kw +965 24986945 |
| 6 |  | **Dr. H. Syed Jahangir** (Ph.D) | Associate Professor & Head Department of Botany, Jamal Mohamed College Tiruchirappalli 620 020 | syedsanu@yahoo.co.in 9443817623 |
| 7 |  | **Dr. R. Nazeerullah** (Ph.D) | Associate Professor in Microbiology & Immunology, College of Medicine, Gulf Medical University, Ajman, U.A.E | dr.nazeer@gmu.ac.ae +91 9003915471/ +9710503201047 |
| 8 |  | **Dr. K. Moorthy** (Ph.D) | Professor in Medical Microbiology, School of Pharmacy and Medical Laboratory Science, Institute of Health, Bule Hora University, Ethiopia. | moormicro@gmail.com abbaikannamoorthy@ gmail.com 9442545967 |
| 9 |  | **Dr. M. Satheesh Kumar** (Ph.D) | Assistant Operation Manager, Badr Al Samaa Hospital P. O. Box 443, P. C. 112 Ruwi, Muscat Sultanate of Oman | shatheeshkumar.m@ gmail.com |

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| 11 |  | **Dr. Mohd. Rasheeduddin**<br>(Ph.D) | Centre for Biotechnology & Bioinformatics, Jawaharlal Nehru Institute of Advanced Studies,<br>Secunderabad – 500 003 | hmzrshd@yahoo.co.in<br>8374911409 |
| 12 |  | **Dr. D. MubarakAli**<br>(Ph.D) | Assistant Professor,<br>School of Life Sciences,<br>B. S. Abdur Rahman Crescent Institute of Science and Technology<br>Chennai – 600 048 | mubinano@gmail.com<br>9943535774 |
| 13 |  | **Dr. V. Thennarasu**<br>(Ph.D) | Laboratory Support Technecian<br>Glasgow Caledonian University<br>Glasgow,<br>Scotland | thennarasumnr@gmail.com<br>94432 66664 |
| 14 |  | **Dr. R. Praveen Kumar**<br>(Ph.D) | Leader, Microalgae Section<br>Bioresource Center<br>Food and ProductionDivision<br>Danish Technological Institute<br>Taastrup<br>Denmark | prkr@teknologisk.dk<br>+45 91981785 |
| 15 |  | **Dr. N. Anandakumar**<br>(Ph.D) | Assistant Professor (on Contract)<br>Department of Education,<br>The Gandhigram Rural Institute<br>(Deemed to be University)<br>Gandhigram - 624 302 | drnanandakumar@gmail.com<br>94431 20955 |
| 16 |  | **Dr. A. Ilavarasi**<br>(Ph.D) | Managing Director<br>MOTT Bio Research Lab<br>16,Quide Milleth Street<br>Sozhapuram, Ariyankuppam<br>Pudhucherry – 605007<br>GSTIN: 34ACXPI1901M1ZC | ilavarasiasokaraja@gmail.com<br>94864 16938 |
| 17 |  | **Dr. D. Vijayan**<br>(Ph.D) | National Post-Doctoral Fellow<br>CSIR-National Institute for Interdisciplinary Science and Technology (NIIST),<br>Thiruvananthapuram- 695019,<br>Kerala | vijayan.mibi@gmail.com<br>9865550200 |

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| 19 |  | **Dr. N. Reehana**<br>(Ph.D) | Assistant Professor,<br>Department of Microbiology,<br>Jamal Mohamed College (Autonomous)<br>Tiruchirappalli – 620 020 | nreehana@gmail.com<br>9688367970 |
| 20 |  | **Dr. E. Baldev**<br>(Ph.D) | Research Associate<br>Research and Development<br>Chennai Petroleum Corporation LTD.<br>Manali,<br>Chennai – 600 068 | ballu.pnr@gmail.com<br>9894403113 |
| 21 |  | **Dr. F. Lewis Oscar**<br>(Ph.D) | Post-Doctoral Research Associate<br>Division of Infectious Diseases,<br>Alpert Medical School of Brown University,<br>Rhode Island, USA | kepler619@gmail.com<br>lewis_oscar_felix_raj_lucas@brown.edu<br>9600402197 |
| 22 |  | **Dr. Anju Majeed**<br>(Ph. D) | Director & Senior Scientist<br>SAMI Labs<br>2nd Phase, 19/1, 1st Main Rd,<br>Nalagadderana halli, Peenya,<br>Bengaluru – 560 058,<br>Karnataka | anjumajeed@hotmail.com<br>99021 66021 |
| 23 |  | **Dr. D. Pandiaraj**<br>(DST Project Fellow) | Technical Scientist,<br>Production Department,<br>Star Algae,<br>Solagron Joint Stock Company<br>Tra Vinh Province<br>Vietnam | pandian.ocean@gmail.com<br>99438 48511 |
| 24 |  | **Dr. A. Suresh**<br>(Post-Doctoral Fellow) | Project Scientist II<br>Atal Centre for Ocean Science and Technology for Islands (ACOSTI) – NIOT, Industrial Estate Road, Dollygunj Port Blair,<br>Andaman & Nicobar Islands - 744103 | sureshcyano@gmail.com<br>96550 70984 |
| 25 |  | **Dr. S. Santhosh Kumar**<br>(DBT: Project Fellow) | PG Assistant in Botany,<br>Vetri Vinayagar Matric Higher Secondary School<br>271, Ellaimedu,<br>Kupuchipalayam Post<br>Vangal Road, Karur – 639 116 | san16111987@gmail.com<br>86083 98615 |

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| 27 |  | **Dr. D. Dhanasekaran**<br>(Ph. D – Co-Guidance) | Professor & Head<br>Department of Microbiology<br>Principal Investigator, NRMC-F<br>Bharathidasan University<br>Tiruchirappalli- 620 024 | dhansdd@gmail.com<br>9486258493 |
| 28 |  | **Dr. R. Vijayakumar**<br>(Ph.D – Co-Guidance) | Associate Professor<br>Department of Microbiology<br>Bharathidasan University<br>Tiruchirappalli – 620 024 | rvijayakumar1979@gmail.com<br>9944882720 |
| 29 |  | **Dr. K. Jeyachitra**<br>(Ph.D – Co-Guidance) | Assistant Professor<br>Department of Microbiology<br>CMS College of Science and Commerce,<br>Chinnavedampatty.<br>Coimbatore – 641049. | chitrakj@hotmail.com<br>8754935245 |
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| 32 |  | **Dr. C. Muthukumar**<br>(DOD Project Fellow) | Associat Professor<br>Department of Botany<br>National College<br>(Autonomous)<br>Tiruchirappalli – 620 001 | cmkumar1979@gmail.com<br>9791996106 |
| 33 |  | **Dr. R. Aravind Prasanth**<br>(M.Sc - Project ) | Associate Professor,<br>Dept. of Microbiology,<br>Periyar University,<br>Salem – 630 011 | prasanthvi@periyaruniversity.ac.in<br>9444080796 |
| 34 |  | **Dr. Radha Krishnakumar**<br>(M.Sc. Self-Study Review) | Staff Scientist, J. Craig Venter Institute (JCVI), Rockville, Maryland 20850. USA | rkrishnakumar@jcvi.org |

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| 45 |  | **Dr. Ngo Mback Madeleine N.L.** (Ph.D. scholar)<br>6 months overseas training through C V Raman International Fellowship for African Researchers (DST, Govt. of India) | Senior Lecturer in Biochemistry<br>Academic Coordinator<br>Department of Processing and Quality Control of Fishery Products<br>Institute of Fisheries and Aquatic Sciences - University of Douala<br>B.P. 24157 Douala, Cameroon | ngombackmanilo@yahoo.fr<br>+237 696319858 |
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| 48 |  | **Dr. A. Hemalatha**<br>(UGC – Post-doctoral Fellowship for Women's Candidate) | UGC Post-Doctoral Fellowship<br>CAS in Marine Biology<br>Faculty of Marine Sciences<br>Annamalai University<br>Parangipettai - 608 502. | hemalatha.cas@gmail.com<br>9597220580 |
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| 54 |  | **Ms. S. Padma Priya**<br>(M.Sc. Project) | Environmental Activist<br>Founder - Vidhai Vidhaipom & Chennai Herbs<br>Brand Ambassador – ExNoRa Chennai. | 86084 88817 |
| 55 |  | **Dr. C. Arutselvan**<br>**(Ph.D)** | Project Leader<br>Kwalitee Algae Farms,<br>Manmangalam Taluk,<br>Karur - 639 003 | Arunrn10@gmail.com<br>63830 81294 |
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