

PROFILE SUMMARY

A dynamic and inspiring faculty with extensive experience of nearly 15 years in teaching and research in the field of Microbiology, dedicated to igniting students' passion for academic and personal growth. I have conducted extensive research in various areas of microbiology and phycology, with a focus on algal technology, food and environmental microbiology. To my credit I have authored and co-authored numerous research articles that have been published in reputable scientific journals including book chapters. Also devoted to instilling a fervor for scholarly endeavors, by presenting the research findings at conferences, thus empowering students to excel academically and professionally.

EDUCATION

Ph.D (Microbiology)– Bharathidasan University, Tiruchirappalli , Tamilnadu
2017



M.Phil (Microbiology) – Bharathidasan University, Tiruchirappalli , Tamilnadu
2008



M.Sc (Microbiology) – Bharathidasan University, Tiruchirappalli , Tamilnadu
2006



B.Sc (Microbiology) – University of Madras, Chennai, Tamilnadu
2004



DMLT– AMILTA, New Delhi
2003



SUPPORTIVE COURSES/ CERTIFICATIONS

Food Microbiology and Food Safety - SWAYAM (Govt. of India)
2020



Food Safety Supervisor - EP Infoways Pvt Ltd
2023

PROFESSIONAL EXPERIENCE

Assistant Professor (Biotechnology, Microbiology & Bioinformatics)- National College, Tiruchirappalli
October 2023 to Till date



Research Associate (NRMF-F, DBT)- Bharathidasan University, Tiruchirappalli
May 2021 to September 2023



Responsibilities and Duties

- Organizing workshops and training programs for researchers and students on microalgal cultivation and applications.
- Collaborating with industry partners for the commercialization of microalgal products.
- Monitoring and evaluating the progress of the project to ensure timely completion.
- Presenting research findings at conferences and seminars to disseminate knowledge.
- Developing new research proposals to secure funding for future projects.
- Mentoring and supervising students and junior researchers involved in the project.

Assistant Professor (Microbiology)–Srimad Andavan College, Tiruchirappalli
November 2020 to April 2021



Assistant Professor (Biotechnology & Microbiology) – National College, Tiruchirappalli
July 2018 to May 2020



Dr. M. MOHAMED IMRAN

M.Sc., D.M.L.T., M.Phil., Ph.D. RA (PDF)

Assistant Professor

Biotechnology, Microbiology & Bioinformatics

+91 9443835782

mohamedimran@nct.ac.in

Tiruchirappalli, Tamilnadu

Google Scholar:

<https://scholar.google.co.in/citations?user=84mKae8AAAAJ&hl=en>

Orcid Id:

<https://orcid.org/0000-0002-7045-066X>

Scopus Id:

<https://www.scopus.com/authid/detail.uri?authorId=35230595100>

Vidwan Id:

<https://vidwan.inflibnet.ac.in/profile/455850>

KEY COMPETENCIES

- Inspiring motivation
- Guiding and supporting students through mentoring
- Fostering collaborations within and between institutions
- Strong analytical skills & test analysis
- Good Explanation skills.
- Dedicated to research pursuits
- Excellent communication skills
- Leadership Development
- Curriculum Development
- Decision Making
- Complex problem solver

LANGUAGES KNOWN

English
Tamil
Urdu
Hindi



Junior Research Fellow– Bharathidasan University, Tiruchirappalli

March 2014 to June 2018

“Using flow cytometry and genomics to characterize and optimize microalgal – bacterial consortia cultivated on wastewater to produce biomass for biofuel” Indo-UK collaborative project funded by Department of Biotechnology (Govt. of India), New Delhi, India.

Responsibilities and Duties

- ✓ Optimizing the growth conditions to maximize biomass production and lipid content in the selected microalgal strains.
- ✓ Implementing a harvesting and oil extraction process to obtain biodiesel from the lipid-rich microalgae.
- ✓ Conducting analysis to assess the environmental sustainability and economic feasibility of the microalgal biodiesel production process.
- ✓ Exploring potential co-products or by-products from the microalgal biomass to increase the overall value proposition of the biodiesel production system.

Assistant Professor (Microbiology)– Jamal Mohamed College, Tiruchirappalli

November 2007 to Decmeber 2013



Role as Assistant Professor

- Collaborate with other faculty members to design and implement a comprehensive Biotechnology & Microbiology curriculum that meets the needs of students and aligns with industry standards.
- Utilize a variety of teaching methods, including lectures, group discussions, case studies, and hands-on laboratory exercises, to engage students and enhance their understanding of microbiology concepts.
- Integrate new research findings and technologies into the curriculum to provide students with the most up-to-date information in the field of Biotechnology & Microbiology.
- Provide guidance and support to students as they navigate their academic and career paths, offering advice on course selection, internships, and research opportunities.
- Assist students in preparing research proposals and grant applications, helping them develop the necessary skills to secure funding for their projects.
- Contribute to the assessment and evaluation of student learning outcomes, participating in departmental meetings and committees to ensure the quality and effectiveness of the course.
- Stay updated on developments in the field of Microbiology by attending conferences, workshops, and seminars, and sharing this knowledge with students and colleagues.
- Serving as a mentor and role model for students, fostering a supportive and inclusive learning environment that encourages academic and personal growth.
- Collaborate with industry partners and research institutions to create opportunities for students to gain practical experience and build professional networks.
- Engage in professional development activities to enhance teaching skills, stay abreast of emerging trends in microbiology education, and maintain a high level of expertise in the field.

TECHNICAL PROJECTS EXPERIENCE

PhD Researcher with Dr. G. Muralitharan

Apr. 2011 –Dec 2017

➤ **Evaluation, Characterization and Applications of Exopolysaccharides from selected probiotic strains:**

- Isolated the Probiotic strains from different milk sources.
- Screened the efficient exopolysaccharide producing probiotic strains.
- Used Scanning Electron Microscopy and Confocal Laser Scanning Microscopy for analyzing the three-dimensional surface topology of exopolysaccharide.
- Analyzed the biochemical and molecular characterization (16S rRNA gene) EPS producing probiotic strains.
- The exopolysaccharide (EPS) was purified and characterized for the maximum EPS using response surface methodology.
- Employed Thermal analysis (TG-DTA, DSC) for analysing the thermal properties of exopolysaccharide from Lactic acid bacteria.
- Tested the applications of exopolysaccharide and characterized for analyzing its sequence structure.

➤ **Studies on role of anaerobic microbial flora in cattle**

- Biodiversity was tested from the rumen waste of cattle.
- Different anaerobic microorganisms were isolated and tested for their fibre degrading potential
- Different form of fibre in taken by the cattle was analyzed by the isolated organisms.

Master's Researcher

Jun. 2004 – Apr. 2006

➤ **Biodegradation of Textile and Printing dyes by selected microorganisms**

- The microorganisms were isolated from the sewage containing dyes and tested for their dye degradation potentials.

ACHIEVEMENTS

- Awarded 2nd prize winner for proficiency in Microbiology for the year 2006-07 by Jamal Mohamed College (*Autonomous*), Tiruchirappalli – 620 020
- Serving as Reviewer in the Applied Biochemistry and Biotechnology journal
- Guided 28 Postgraduate project students
- Served as Placement corordinator in National College and Srimad Andavan Arts & Science College, Tiruchirappalli
- Granted with students project grant for carrying out M.Sc project funded by Tamilnadu State Council for Science and Technology, Government of Tamilnadu, India
- Responsible for departmental report preparation for University Grants Commission (UGC) Govt. of India

✓ **Subject Specialization**: Food Microbiology, Medical Microbiology
Molecular Biology, Industrial and Environmental
Biotechnology, Algal Technology**PUBLICATIONS**

: International: 9; National: 4

International Journals: 9

- Gurunathan Subramanian, Umashankar Vetrivel, **Mohamed Imran Mohamedyousuff**. 2022. Deciphering Novel Antimicrobial Targets in Tomato Pathogen *Ralstonia solanacearum* Gmi1000 through Integration of In Silico Subtractive Genomics, Codon Usage and Protein-Protein Interaction Analyses, *Australasian Plant Pathology*, 51:123-133. (IF:1.599)
- **M. Mohamed Imran**, N. Reehana, K. A. Jayaraj, A. Parveez Ahamed, D. Dhanasekaran, N. Thajuddin, Naiyf S. Alharbi and G. Muralitharan. 2016. Statistical optimization of exopolysaccharide production by *Lactobacillus plantarum* NTMI05 and NTMI20, *International Journal of Biological Macromolecules*, 93:731-745. (IF:8.025)
- A. Parveez Ahamed, M.U. Rasheed, K. Peer Muhamed Noorani, N. Reehana, S. Santhoshkumar, **M. Mohamed Imran**, Naiyf S. Alharbi, C. Arunachalam, Sulaiman Ali Alharbi, M. A. Akbarsha and N. Thajuddin. 2017. *In vitro* antibacterial activity of MGDG-Palmitoyl from *Oscillatoria acuminata* NTAPC05 against extended spectrum beta lactamase-producers. *The Journal of Antibiotics. (The Nature Group)*, 00, 1–9. doi:10.1038/ja.2017.40. (IF:3.424)
- D. Vijayan, K. Manivannan, S. Santhoshkumar, D. Pandiaraj, **M. Mohamed Imran**, N. Thajuddin, K. Kala and M. H. Muhammad Ilyas. 2014. Depiction of microalgal diversity in Gundur lake, Tiruchirappalli district, Tamil nadu, South India. *Asian journal of biological sciences*, 7(3):111-121.
- M. Mohamed Mahroop Raja,, A. Raja,, **M. Mohamed Imran** and A. Habeeb Rahman. 2011. Quality Aspects of Cauliflower during Storage. *International Food Research Journal*, 18: 427-432.

- Mohamed Mahroop Raja M., A.Raja, **M. Mohamed Imran** and E.Vani ugin. Anti Mycobacterial activity of Actinomycetes producing Mycothiol. 2011. *Singapore Journal of Scientific Research*, 1(2):144-148. **[IF:1.02]**
- M. Mohamed Mahroop Raja, A.Raja, **M. Mohamed Imran**, A.M.I.Shantha and K.Devasena. Enzymes application in diagnostic prospects.2011. *Biotechnology*, 10(1):51-59.
- M. Mohamed Mahroop Raja, A. Raja and **M. Mohamed Imran**.2009. *Lactobacillus* as a Probiotic Feed for Chickens. *International Journal of Poultry Science*, 8 (8): 763-767.
- A. Raja, P. Gajalakshmi, M. Mohamed Mahroop Raja and **M. Mohamed Imran**.2009. Effect of *Lactobacillus lactis cremoris* Isolated from Kefir against Food Spoilage Bacteria. *American Journal of Food Technology*, 4 (5): 201-209.

National Journals: 4

- Mohd Haseeb , M. S. Khan , Abu baker , **M. Mohamed Imran** and M.S. Mohamed Jaabir.2020. Cytotoxic and Antibacterial Activity Evaluation of MDR Bacteria Mediated Synthesized Silver Nanoparticles, *Bioscience Biotechnology Research Communications*,13(1):139-145.
- **M. Mohamed Imran**, N. Reehana, G. Muralitharan and N. Thajuddin. 2014. Molecular Phylogeny and in silico analysis of 18S rRNA genes from selected microalgal cultures. *Seaweed Research Utilization Journal*, 36 (1 & 2): 126-135.
- M. Mohamed Imran and **N. Reehana**. 2011. Animal feed utilization using anaerobic microbial flora in cattles. *Journal of Pure and Applied Microbiology.*, 5(2):769-774. **[IF:0.073]**
- M. Mahroop Raja, A. Raja, **M. Mohamed Imran**, P. Gajalakshmi, S. Vignesh and J. Sivakumar.2010. Application of Synergetic Microorganisms to Remove Ammonia-Nitrogen and Chemical Oxygen Demand from the Effluent. *Journal of Pure and Applied Microbiology*, 4(2): 659-666.

Book Chapters

- N. Reehana,**M. Mohamed Imran**, M. Mohamed Mahroop Raja, Thajuddin, N. and D. Dhanasekaran. (2023), **NRPS and PKS Gene Analysis in Cyanobacteria Using PCR**. In: **Protocols for Cyanobacteria Sampling and Detection of Cyanotoxin** (Eds) by N. Thajuddin, A. Sankara narayanan, D. Dhanasekaran ISBN No 978-981-99-4513-9. **Springer Nature Singapore Pte Ltd.**, pages 381-386.
- N. Reehana,**M. Mohamed Imran**, Thajuddin, N. and D. Dhanasekaran. (2023), **Small-scale Production and Business Plan for Phycocyanin from Cyanobacteria**. In: **Food Microbiology Based Entrepreneurship Making Money From Microbes** (Eds) by Natarajan Amaresan, Dhanasekaran Dharumadurai, Olubukola Oluranti Babalola ISBN No 978-981-19-5040-7. **Springer Nature Singapore Pte Ltd.**, pages 253-277.
- N. Reehana and **M. Mohamed Imran**. (2022), **Innovation in Food Product Development**. In: **A Multidisciplinary Approach in Innovation Paradigm**(Eds) by Dimple Saproo, Seema, Ramesh Chandra Panda ISBN NO. 978-93-5470-823-7. Swaranjali Publication, pages 137-153.
- N. Reehana,**M. Mohamed Imran**, Thajuddin, N. and D. Dhanasekaran. (Editors.) (2022), **Molecular symbiotic interactions of cyanobacterial association in nonvascular seedless plants**.In: **Developments in Applied Microbiology and Biotechnology, Microbial Symbionts Functions and Molecular Interactions on Host** (Eds) by D. Dhanasekaran, ISBN No 978-0-323-99334-0. **Academic Press, Elsevier**, London Wall, United Kingdom, pages 295-309.
- N. Reehana,**M. Mohamed Imran**, Thajuddin, N. and D. Dhanasekaran. (Editors.) (2021), **Synbiotics in Nutrition**. In: **Advances in Probiotics Microorganisms in Food and Health** (Eds) by D. Dhanasekaran, A. Sankaranarayanan. ISBN No: 978-0-12-822909-5. **Academic Press, Elsevier**, London Wall, United Kingdom, pages 149-161.
- **M. Mohamed Imran**,N. Reehana, G. Muralitharan, Thajuddin, N. and D. Dhanasekaran. (Editors.) (2021), **New Formulations and Products in Prebiotic Food**. In: **Advances in Probiotics Microorganisms in Food and**

Health(Eds) by D. Dhanasekaran, A. Sankaranarayanan. ISBN No: 978-0-12-822909-5. **Academic Press, Elsevier**, London Wall, United Kingdom, pages 437-447.

- N. Reehana, **M. Mohamed Imran**, Thajuddin, N. and D. Dhanasekaran. (Editors.) (2021), **Role of Human Gut Microbiome in Health and Disease. In: Microbiome-Host Interactions** (Eds) by D. Dhanasekaran Dhiraj Paul, N. Amaresan, A. Sankaranarayanan, Yogesh S. Shouche. ISBN No: 978-1-003-03752-1. **CRC press, Taylor & Francis Group**, Boca Raton, FL, USA, pages 101-112.
- **M. Mohamed Imran**, N. Reehana, G. Muralitharan, Thajuddin, N. and D. Dhanasekaran. (Editors.) (2019), **Fermented Indigenous Milk Products. In: Fermented Food Products** (Eds) by A.Sankaranarayanan, N.Amaresan and D.Dhanasekaran. ISBN No: 13: 978-0-367-22422-6. **CRC press, Taylor & Francis Group**, Boca Raton, FL, USA, pages 269-286.
- N. Reehana, **M. Mohamed Imran**, Thajuddin, N. and D. Dhanasekaran. (Editors.) (2019), **Cider Production Techniques in North America and Europe. In: Fermented Food Products** (Eds) by A. Sankaranarayanan, N. Amaresan and D. Dhanasekaran. ISBN No: 13: 978-0-367-22422-6. **CRC press, Tailor & Francis Group**, Boca Raton, FL, USA, pages 329-340.
- N. Reehana, **M. Mohamed Imran**, N. Thajuddin and D.Dhanasekaran. (2018), **Cyanobacterial Toxins as Bolarvicides for Blood Sucking Vectors. In: Microbial Control of Vector Borne Diseases. (Eds) by B.K.Tyagi and D.Dhanasekaran** . ISBN No: 13: 978-1-138-05581-0. CRC press, Taylor & Francis Group, Boca Raton, FL, USA, pages 315-334.
- Contributed a book chapter on **Biological Techniques: A Laboratory Manual** (2016), under the title **“Fourier Transform Infrared Spectroscopy (FT-IR)**. ISBN No.978-93-80622-41-5 edited by N.Thajuddin, T. Senthil Kumar and D. Dhanasekaran. Yazhini Publications, Cuddalore, pages 114-118.

CONFERENCE PRESENTATIONS

- Presented paper in National Seminar on **“Frontiers in Bio-Mimicry Medicine (FBM 2019)”** held at Srinivasan College of Arts & Science, Perambalur – 621 212, Tamilnadu on 01st February 2019.
- Presented paper in International Seminar on **“Emerging Trends in Biological Research (ETBR) 2018”** held at Jamal Mohamed College (Autonomous), Tiruchirappalli – 620 020, Tamilnadu on 03rd March, 2018.
- Presented paper in International Seminar on **“Life Science-Recent Trends & Applications”** held at Dhanalakshmi Srinivasan College of Arts & Science for Women, Perambalur on 09th February, 2018.
- Presented paper in two days National Symposium on **“Recent Advances in Modern Biology and Rural Development”** held at A.V.V.M Sri Puspham College, Poondi – 613 503, Thanjavur District, Tamilnadu on 5th& 6th October, 2017.
- Presented paper in two days National Symposium on **“Prospects and Retrospects in Microbial Technology”** held at Cauvery College for Women, Tiruchirappalli, Tamilnadu on 17th&18th February, 2012.
- Presented paper in two days National Conference on **“Advances in Nanotechnology – Emphasis on Environmental Health and Therapeutics”** held at J.J. College of Arts & Science, Pudukkottai, Tamilnadu India on 6th& 7th August, 2009.

SEMINARS / WORKSHOPS ORGANIZED

- Organized Hands on training in ‘**PCR applications and Gel Documentation**’ at Jamal Mohamed College (Autonomous), Tiruchy, Tamilnadu, India 25th January, 2011
- Organized Hands on training in ‘**PCR applications, 2D PAGE, Nikon Photomicroscopy and Gel Documentation**’ at Jamal Mohamed College (Autonomous), Tiruchy, Tamilnadu, on 24th& 25th September 2009

SEMINARS PARTICIPATED

- Participated in National Seminar on **‘Future of Algal Biotechnology (FAB-2022)’** organized by Department of Microbiology, Bharathidasan University, Tiruchirappalli in Association with Microbiologists Society of India, Tamilnadu on 18th June 2022.

- Participated in two days 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 19th& 20th February, 2014.
- Participated in three days National Conference on '**Frontiers in Algology and Algal Biotechnology (NCFAAB)**' organized by the Vishva-Bharathi (A Central University), Santiniketan - 713 235 during 15th to 17th November, 2013.
- Participated in two days National Symposium on '**Fundamental and Applied Phycology**' held at Punjabi University, Punjab on 25th& 26th March, 2013.
- Participated in 3rd International Conference on '**Food Processing Technologies – challenges & Solutions for Sustainable Food Security**' conducted by Indian institute of Crop Processing Technology (IICPT), Thanjavur on 4th& 5th January, 2013.
- Participated in two days UGC & DST sponsored National Seminar on '**Role of Microbes in Health, Agriculture and Industry**' held at Alagappa University, Karaikudi on 26th& 27th March, 2012.
- Participated in A One Day Seminar on '**Teaching, Learning and Research In Higher Education – Excellence and Beyond Excellence**' held at Jamal Mohamed College (*Autonomous*), Tiruchirappalli - 620 020 on 7th March, 2012.
- Participated in UGC sponsored One day State Level seminar on '**Examination Forums**' held at Jamal Mohamed College (*Autonomous*), Tiruchirappalli - 620 020, Tamilnadu on 24th February, 2012.
- Participated in UGC sponsored National Seminar on '**Application of Nanotechnology in Current Agricultural Practices**' held at Dr. Zakir Hussain College, Ilayangudi, Sivagangai District on 9th& 10th February, 2011.
- Participated '**One Day National Seminar on Diagnosis of Infectious Diseases by Molecular Biological Methods**' held at Department of Microbiology, Bharathidasan University, Tiruchirappalli on 29th November, 2010.
- Participated one day Seminar on '**Creating Competitiveness to Excel in Higher Education – A TQM Approach**' organised by Internal quality Assurance Cell, Jamal Mohamed College (*Autonomous*), Tiruchirappalli - 620 020 on 8th December, 2010.
- Participated in State level Seminar on '**Progression in Biosciences**' held at Dhanalakshmi Srinivasan College of Arts & Science, Perambalur, Tamil Nadu, on 9th September 2009.
- Participated in '**National Symposium on Microbial Plant Biotechnology**' held at Loyola College, Chennai, Tamilnadu, on 17th – 19th February, 2005.

WEBINARS ATTENDED

- Attended and completed 21 Days online '**Summer Training Course on Advances in Life Sciences**' organized by PG & Research Department of Zoology, Jamal Mohamed College (*Autonomous*), Tiruchirappalli between 29th March 2020 to 18th April, 2020.
- Attended International Webinar on "**Silver Diamine Fluoride: A Silver Renaissance in Dentistry**" organized by Mohamed Bin Rashid University of Medicine and Health Sciences, Dubai on 13th April 2020.
- Attended E-Conference on "**Contagious Disease Management: Perspective to COVID-19**" held on 16th April, 2020 organized by Biological Science Forum (A Scientific Community of India).
- Attended Webinar on "**Why Train Faculty**" organized by Biocon Academy, Bengaluru on 30th April 2020.
- Attended in National level Workshop (Webinar) on "**Cyber Security During Covid-19**" organized by Smt.K.G.Mittal College (IQAC Committee) & IAA-TB held on 3rd May 2020.
- Attended International Webinar on "COVID 19 Vaccine Development" organized by Department of Microbiology, Ayya Nadar Janaki Ammal College (*Autonomous*), Sivakasi held on 15th May 2020.
- Attended Webinar on "**Investigations of Nano-Crystals**" organized by Department of Chemistry and Research & Development Cell, MASS College of Arts and Science, Kumbakonam on 25th May 2020.
- Attended Webinar on "**Metal complexes to metal nanoparticles for efficient catalysis**" organized by School of Chemical and Biotechnology, SASTRA Deemed to be University held on 28th May 2020.

- Attended in International Webinar Conference on **“Biomaterials on Healthcare Applications”** conducted by Department of Biotechnology, Karunya Institute of Science and Technologies, Coimbatore during 28th -30th May, 2020.

FACULTY DEVELOPMENT PROGRAMMES ATTENDED

- Participated in seven days Faculty Development Programme on **“Recent Scenario in Biological Science”** held on 12th February 2024 to 18th February 2024 organized by PG and Research Department of Zoology, V.O Chidambaram College, Thoothukudi.
- Participated in eight days National level Faculty Development Programme on **“Research Methodology and Pedagogy of Writing, Project Funding”** held on 29th January 2024 to 06th February 2024 organized by Department of Science and Humanities, Mohamed Sathak A.J College of Engineering, Chennai.
- Participated in one week Faculty Development Programme on **“Recent Trends in Bioprocess Technology”** held on 15th January 2024 to 19th January 2024 organized by Department of Biotechnology, Sinhgad College of Engineering, Pune, Maharashtra.
- Participated in one week Faculty Development Programme on **“Road Map for Intellectual Property Rights”** held on 8th January 2024 to 12th January 2024 organized by IPRC, IQAC and IIC of Jamal Mohamed College (Autonomous), Tiruchirappalli.
- Attended Faculty Development Program **“Novel Microbes and Newer Threats”** organized by Sathyabama Institute of Science and technology in association with Indian Association of Applied Microbiologists (IAAM) & California Institute of Science and Medicine, USA during 20th April - 2nd May 2020.
- Attended Two days Online Faculty Development programme on **“SPSS for U- Writing a Research Article”** organized by Academy of Maritime Education and Training (AMET)- Deemed to be University, Kanathur, Chennai, Tamilnadu & DK International Research Foundation, Perambalur, Tamilnadu held during April 25th& 26th, 2020.
- Attended Online Faculty Development program - Webinar on **“Trends and opportunities in Life Science Sector”** organized by PG Department of Microbiology, Cauvery College for Women (Autonomous), Tiruchirappalli held on 3rd May 2020.
- Attended Five days Online Faculty Development program on **“Evolution of Teaching Learning Process- POST COVID 19”** organized by Bharath Institute of Higher Education and Research held during 11th May to 15th May 2020.

WORKSHOPS ATTENDED

- Attended National workshop on **‘Molecular Methods in Taxonomy to Biotechnology of Actinobacteria and Cyanobacteria (MoMeTBAC-22)’** organized by Department of Microbiology, Bharathidasan University, Tiruchirappalli – 620 024 during 08th–10th March 2022.
- Attended National workshop on **‘Conservation of Indigenous Knowledge in Current Medicine System’** organized by Department of Microbiology, Kongu College of Arts and Science, Karur on 22nd February, 2020.
- Attended National workshop on **‘Bioinformatics: Future role of Computing in Biology (FRCP-2020)’** organized by Department of Microbiology, Srinivasan College of Arts & Science, Perambalur - 621212 on 13th February, 2020.
- Attended DST –PURSE sponsored workshop on **‘Edible Mushroom Cultivation for Self Employment of Rural Population’** organized by Department of Microbiology, Bharathidasan University, Tiruchirappalli – 620 024 on 22nd& 23rd February, 2018.
- Participated in State Level Workshop on **‘Organic Farming Production’ (An Entrepreneurship Programme)** organized by P.G.& Research Department of Microbiology, Jamal Mohamed College, Trichy-20 on 27th& 28th January 2017.
- Attended training workshop on **‘Biodiesel from Marine Algae’** held at Annamalai University, Parangipettai –

608 502 on 18th February 2016.

- Attended training workshop on ‘**Marine Bioresource Utilization**’ held at Annamalai University, Parangipettai – 608 502 on 17th February 2016.
- Attended workshop on ‘**Thermal & Elemental Analysis of Solids**’ held at National Institute of Technology (NIT), Tiruchirappalli on 21st February 2015.

AS RESOURCE PERSON/WORKSHOP TRAINEE

- Delivered a lecture in One day workshop on the topic “ **How to guide school students to do Research-based Science Fair Projects following the Scientific Methodology**” held on 13th July 2024 conducted in connection with National Science Fair (NSF-OGJ-2024) & in commemoration of the OMEIAT Golden Jubilee Celebrations organized jointly by Elite Public School, Madurai and The Organization of Muslim Educational Institutions and Associations of Tamilnadu (OMEIAT).
- Delivered a lecture in One day workshop on the topic “ **Preparation of Biological Science Projects**” held on 6th July 2024 organized by Al-Ameen Mat. Hr. Sec. School, Kumbakonam-612001 and The Organization of Muslim Educational Institutions and Associations of Tamilnadu (OMEIAT).
- **Young Student Scientist Program – YSSP 2018** organised by National College, Tiruchirappalli supported by Tamilnadu State Council for Science & Technology (TNSCST), Department of Higher Education, Government of Tamilnadu, held during 24th December 2018 – 07th January 2019.
- ‘**Advanced Molecular Techniques – 2015**’ held at Bharathidasan University Constituent College for Women, Orathanadu – 614 625, Thanjavur District on 31st October 2015.
- ‘**DNA finger printing**’ held at A.V.V.M Sri Puspham College, Poondi – 613 503, Thanjavur District on 03rd October 2015.

AS JUDGE / EVALUATOR

- Acted as a Judge for poster presentation in the **3rd International Conference on Emerging Trends in Microbial Technology (ICETMT) 2024** held at PG and Research Department of Microbiology, Jamal Mohamed College, Tiruchirappalli jointly with Microbiologists Society, India on 24th January 2024.
- Acted as a Judge for the **16th Annual Science Fair** to scrutinize the synopsis of the science projects for Final selection for displaying in the National Science Fair (NSF-2024) held on 20th and 21st January 2024 organized by Organisation of Muslim Educational Institutions and associations of Tamilnadu (OMEIAT) at B.S.Abdur Rahman Crescent Institute of Science and Technology, Chennai-48.
- Acted as Evaluator in State Level **31st National Children’s Science Congress-2023** co-ordinated by Taminadu Science Forum (TNSF) during 25th November 2023 held at Nehru Memorial College, Puthanampatti Tiruchirappalli.
- Acted as Evaluator in District Level **31st National Children’s Science Congress-2023** co-ordinated by Taminadu Science Forum (TNSF) during 30th October 2023 held at Jamal Mohamed College (Autonomous), Tiruchirappalli.
- Acted as Jury in ‘**NAC-ECO MEET-2020**’ organized by Department of PG & Research Department of Economics, National College (Autonomous), Tiruchirappalli-620001 on 25th February 2020.
- Acted as Evaluator in **State Level 27th National Children’s Science Congress-2019** co-ordinated by **Tamilnadu Science Forum (TNSF)** during 15th&16th November 2019 held at Arcot Sri Mahalakshmi College for Women, Vilappakkam, Arcot.
- Acted as Evaluator in ‘**The Future Scientist**’ programme for school students organized by **Tamilnadu Science Forum (TNSF)** jointly with The Hindu and VIT, Vellore on 13 October, 2019 held at National College (Autonomous), Tiruchirappalli – 620 001.

✓ **As Journal Reviewer** : Applied Biochemistry and Biotechnology (Springer)

✓ **Book Chapters** Published : 11 (Elseiver, Taylor & Francis)

✓ Cumulative Impact	:	14.06
✓ Citations (As on 01.08.2024)	:	416
✓ h – index	:	09
✓ Paper Presentations at Seminar/Symposia/Conferences	:	06
✓ Seminars/Workshops Organized	:	03
✓ Seminars Participated	:	13
✓ Faculty Development Program	:	08
✓ Workshops Attended	:	08
✓ Acted as Resource person/ Workshop Trainee	:	05
✓ As Judge / Evaluator	:	07
✓ Genbank Accession Numbers (NCBI)	:	41
✓ Computer Proficiency	:	MS-Word , Excel

List of GenBank Accession Numbers

S.No	Name of the organisms and codeno.	AccessionNo.
1.	<i>Lactobacillus casei</i> NTMI01	KT696583
2.	<i>Enterococcus casseliflavus</i> NTMI04	KT696584
3.	<i>Lactobacillus plantarum</i> NTMI05	KP901272
4.	<i>Lactobacillus delbrueckii</i> NTMI12	KT696586
5.	<i>Lactobacillus delbrueckii</i> NTMI13	KT696587
6.	<i>Enterococcus</i> sp. NTMI17	KT696588
7.	<i>Enterococcus casseliflavus</i> NTMI18	KT696589
8.	<i>Lactobacillus plantarum</i> NTMI20	KP901273
9.	<i>Enterococcus</i> sp. NTMI21	KT696590
10.	<i>Enterococcus faecium</i> NTMI22	KT696591
11.	<i>Bacillus cereus</i> TMDIB1	KJ621681
12.	<i>Lactobacillus plantarum</i> TMDIM7	KJ621680
13.	<i>Klebsiella pneumoniae</i> NTMIK1	KT696585
14.	<i>Pseudomonas</i> sp. NTAAB1	KX078777
15.	<i>Pseudomonas plecoglossicida</i> NTAAB2	KX078778
16.	<i>Fictibacillus nanhaiensis</i> NTAAB3	KX078779
17.	<i>Oscillatoria calcuttensis</i> NTRI19	KF985040
18.	<i>Oscillatoria tenuis</i> NTRI20	KP030747
19.	<i>Phormidium</i> sp. NTRI60	KP030749
20.	<i>Leptolyngbya</i> sp. NTRI37	KP030752
21.	<i>Leptolyngbya</i> sp. NTRI66	KP030750
22.	<i>Geitlerinema</i> sp. NTRI12	KF752437
23.	<i>Geitlerinema pseudocutissimum</i> NTRI18	KF985039
24.	<i>Geitlerinema</i> sp. NTRI68	KP030751
25.	<i>Nodosilinea</i> sp. NTRI45	KP030748
26.	<i>Chlorella vulgaris</i> NTIND01	KX257360
27.	<i>Scenedesmus bijugatus</i> NTIND02	KX257361
28.	<i>Limnospira fusiformis</i> NRMI02	PP092152
29.	<i>Arthrospira platensis</i> NRMI01	PP035752

30.	<i>Pediococcus acidilactici</i> NTDIR	ON429037
31.	<i>Fusarium lichenicola</i> NTRIR01	ON307228
32.	<i>Chromobacterium violaceum</i> NTAIR01	ON195257
33.	<i>Limosilactobacillus fermentum strain</i> MRPS	MH175491
34.	<i>Heyndrickxia coagulans</i> NRMI03	PP327422
35.	<i>Brevibacillus brevis</i> NRMI04	PP328457
36.	<i>Paenibacillus polymyxa</i> NRMI05	PP330017
37.	<i>Enterobacter sp.</i> NRMI06	PP572907
38.	<i>Paenibacillus odorifer</i> MNCT02	PP572904
39.	<i>Bacillus subtilis</i> MNCT01	PP572903
40.	<i>Enterococcus durans</i> NRMI06	PP572975
41.	<i>Enterococcus faecium</i> NRMI07	PP573017