

Dr. MYTHILI RAVICHANDRAN M.Sc., Ph.D., NET

Assistant Professor & Head,
Department of Microbiology,
Vivekanandha Arts and Science College for Women,
Sankagiri- 637 303

✉ ms.microhoney@gmail.com; drrmythili@viasrtt.ac.in

☎ +91 9384396855



Area of Specialization
**Archaea, Agricultural
Microbiology & Marine Microbiology**

Google Scholar: <https://scholar.google.com/citations?user=aXUU6tAAAAAJ&hl=en>

Research Gate : <https://www.researchgate.net/profile/Mythili-Ravichandran>

Scopus : 56966361300

Researcher : AAH-8490-2021

ORCID : <https://orcid.org/0000-0002-8432-9764>

Vidwan : <https://vidwan.inflibnet.ac.in/myprofile>

Microbes Rule the
World.....
Microbiologists Rule the
Microbes.....

Career Rationale

✓ As a **dynamic researcher and dedicated professional**, I have accumulated extensive experience as an Assistant Professor and Head. Throughout my career, I have consistently demonstrated my ability to effectively conduct research, manage and lead teams, implement innovative teaching strategies. I desire to reach new heights and take on the role of a **top scientist at a global scale**. It has always been my ultimate goal to make significant contributions to the field and win the **Nobel Prize**. I believe that this position presents an unparalleled opportunity for me to make a lasting impact on the scientific community. I am committed to utilizing my **dynamic research, inventions, and discoveries** to serve and contribute to the development of our country. I firmly believe that my expertise and dedication can greatly contribute to our nation's progress and success. I constantly strive to inspire and guide students to achieve their full potential. I strongly believe in the power of education to shape individuals and society, and I am passionate about creating a positive learning environment. Through my teaching experiences, I have witnessed the transformational power of education firsthand, and I am motivated to continue making a difference in the **lives of students**.

Academic and Professional Credentials

Name of the Course	Specialization	Year	Remarks
Periyar University, India	Ph.D., Microbiology	2018	Highly Commented
ICAR, Agricultural Scientist Recruitment Board, New Delhi	National Eligibility Test (NET)	April 2014 & July 2023	Twice Eligible
Periyar University, India	M.Sc., Applied Microbiology	2009-2011	First Rank Holder
Periyar University, India	B.Sc., Microbiology	2005-2008	74%
State Board, India	HSC	2005	90% (School Second)
State Board, India	SSLC	2003	90%
Lead Auditor	Green, Energy, Environment and Waste Management Audits	2024	Nature Science Foundation, Government of India
Internal Auditor	ISO 22000:2005	2013	Quality Austria Central Asia, Erode
Lead Auditor (FEMS)	ISO 22000:2005	2013	Quality Austria Central Asia, Erode
Diploma in PC Professional	PCP	2007	A Grade
Cell Biology: Cellular Organization, Division and Processes	NPTEL	2022	Elite

Research and Work Experience

Positions Held	Name of the Institute	From	To
Junior Research Fellow	DST, New Delhi (Ref No: IS-STAC/CO2-SR-80/10(G))	05.07.2012	05.07.2015
Senior Research Fellow	DST, New Delhi (Ref No: IS-STAC/CO2-SR-80/10(G))	06.07.2015	30.05.2016
Assistant Professor	K.S.Rangasamy College of Arts and Science, Tiruchengode	01.06.2016	28.02.2022
Assistant Professor	Vivekanandha Arts and Science College for Women, Sankagiri	24.03.2022	17.07.2022
Assistant Professor & Head	Vivekanandha Arts and Science College for Women, Sankagiri	18.07.2022	Till Date

Awards and Honors

Name of the Award	Awarding Agency	Year
Best Teacher Award	Vivekanandha Arts and Science College for Women, Sankagiri	2023
Best Oral Presentation Award	Sathyabama Institute of Science and Technology (Deemed to be University), Chennai	2023
First Rank Holder in Post Graduate	K.S.Rangasamy College of Arts and Science, Tiruchengode	2011
Second Rank Holder	HSC	2005
First Rank with distinction	Shreenikkathan-SSLC	2003

Discoveries and Inventions

- ✓ Discovered new species- *Hahella* sp. MP1013 at NCBI (No KR866142)

Research Grants

Funding Agency	Duration	Role	Title of the Project	Total Cost (Rs.)	Status
Tuticorin Bioplant Private Ltd., Tuticorin	I Year (2022-2023) Dt:02.01.2023	Co-Principal Investigator	Technological development, commercialization and industrialization of marine-seaweeds-sourced biopesticides for agriculture circular economy	1,00,000	On-going
Shrimp Care Solutions, Nagapatinam	I Year (2023-2024) Dt:27.09.2023	Principal Investigator II	Microbiological enhancement and commercialization of microalgal-based probiotic feed for aquaculture Sustainability	1,00,000	On-going

Patents Granted

Application No.	Name of the Product/ Technology	Cbr Number	Remarks
356995-001	Biopesticide mixing rod to identify chemical content	212326	Indian Patent
372511-001	A composition and apparatus for preparing biofertilizer/ biostimulant from seaweeds and seagrass in <i>Abelmoschus esculentus</i> crop	207201	German Patent
424489-001	Smart chemical mixing device for agriculture farm		Indian Patent

Publications

- ✓ **Mythili Ravichandran***, Merlin AD., Muthulaxmi V., Sowdariya M., Ajith Kumar TT, Manoharadas S, Ahmad N, Wahab R., Tamim JAI., R Dineshkumar. 2024. Comparative tracking of *Turbinaria conoides* and *Gelidium elegans* for enhanced bioethanol production International Journal of Environmnet Science and Technology. <https://doi.org/10.1007/s13762-024-06154-x> (IF:3)
- ✓ **Mythili Ravichandran***, Rani Elavarasan Anitha, BT Sureshkumar, TT Ajith Kumar, Salim Manoharadas, Naushad Ahmad, Mohammad Rizwan Khan, R Dineshkumar. 2024. *Cymodocea serrulata* as sources of biopesticides: A novel approach managing crop insects in *Solanum melongena* L.(Solanales: Solanaceae). Sustainable Chemistry and Pharmacy. 42, 101797 (IF: 5.5)
- ✓ **Ravichandran, M.**, Kumar, T.T.A. Dineshkumar, R. 2024. Carbon dioxide capture, sequestration, and utilization models for carbon management and transformation. *Environ Sci Pollut Res* **31**, 55895–55916. <https://doi.org/10.1007/s11356-024-34861-y>
- ✓ Prathaban, M., Prathiviraj, R., **Ravichandran, M.**, Shamila Devi, N., Sobana, M., Selvin, J., Chandrasekar, V. 2024. Integrated bioprocess for carbon dioxide sequestration and methanol production. *Bioresource Technology*. 404, 130847 (IF:9.7)
- ✓ Prathaban, M., Prathiviraj, R., **Ravichandran, M.**, Shamila Devi, N., Sobana, M., Hari Krishna Kumar, S., Chandrasekar, V., Selvin, J. 2024. *Isopterocola haloaureus* sp. nov., a dimorphic actinobacterium isolated from mangrove sediments of southeast India, implicating biosaline agricultural significance through nitrogen fixation and salt tolerance genes. *Antonie van Leeuwenhoek* **117**, 89 (IF:2.2)
- ✓ N Sharmila Devi, **R Mythili**, Tijo Cherian, R Dineshkumar, GK Sivaraman, R Jayakumar, M Prathaban, M Duraimurugan, V Chandrasekar, Willie JGM Peijnenburg. 2024. Overview of antimicrobial resistance and mechanisms: The relative status of the past and current. *The Microbe*. 3: 100083.
- ✓ Abd-Elsalam, KA., Mehmood, MA., Ashfaq, M., Abdelkhalek, TE., Hassan, RK., **Ravichandran, M.** 2024. Liquid nanoclay: Synthesis and applications to transform an arid desert into fertile land. *Soil Systems*. 8(3):73 (IF:2.9)
- ✓ Sivakumar, S.R., **Ravichandran, M.** Dineshkumar, R. 2024. Economical probing of *Chaetomorpha aerea* seaweed biostimulant and harnessing its growth sustainability potential on *Arachis hypogaea* L.. *Biomass Conv. Bioref.* (IF:3.6)
- ✓ Kumar, B.P., **Mythili Ravichandran.**, Varshini, M., Sowtharya, V., Carvalho, F.J., Venkatesh, S., Dineshkumar, R., Gayathri, M. 2023. The enterprising approach of the cyanobacteria and explore its

biostimulatory response on *Trigonella foenum-graecum* (Fabales: Fabaceae). *Biomass Conv. Bioref.* (2024). <https://doi.org/10.1007/s13399-023-05246-x> (IF:3.6)

- ✓ Palani Kumar, B., Sowntharya, V., Muthulaxmi, V., Perveen, K., Datta, R., Yogalakshmi, S., Venkatesh, S., **Mythili Ravichandran***, Dineshkumar*, R. 2023. Ingenious enactment of *Halimeda macroloba*-sourced calcium for the improved agro-active response of *Arachis hypogea* L. *Environ Dev Sustain* 16, 404, <https://doi.org/10.1007/s10668-023-03673-4> (IF: 4.7)
- ✓ **Mythili Ravichandran.**, Saranya Chinnadurai, Bakthavachallam Subha, Muthulakshmi, V., Saroja Ramasubbu Sivakumar, Sankaralingam Subbiah. 2023. Ameliorated reclamation potential of *Halimeda microloba* on sodic soil and its impact on the *Vigna radiata*. *Arab J Geosci* 16, 404, <https://doi.org/10.1007/s12517-023-11509-8>
- ✓ **Mythili Ravichandran**, N. RenugaDevi, A. Ahamed Rasheeq, Anand Muthusamy, Sankaralingam Subbiah, B.PalaniKumar, Kannan Rangesh, B. Antrose Preethi, R.Dineshkumar, A.Arumugam. 2022. Spatiotemporal dynamics of physicochemical and sediment parameters in Gulf of Mannar waters, Southeast coast of India. *Regional Studies in Marine Science*. 56 (102603) (IF: 3.9) . <https://doi.org/10.1016/j.rsma.2022.102603>
- ✓ **Mythili Ravichandran**, Sumathi. C.Samiaapan, Rajesh Pandiyan, Rajesh Kannan Velu. 2022. Improvement of crop and soil management practices through mulching for enhancement of soil fertility and environmental sustainability: A review. *Journal of Experimental Biology and Agricultural Sciences*. 10(4), 697-712, [http://dx.doi.org/10.18006/2022.10\(4\).697.712](http://dx.doi.org/10.18006/2022.10(4).697.712)
- ✓ Umamaheshwari Ramasamy, Ramkumar Lakshmanan, **Mythili Ravichandran**, Prabhu Periasamy. 2022. Ameliorating direct blue dye degradation using *trametes versicolor* derived laccase enzyme optimized through Box–Behnken Design (BBD) via submerged fermentation. *Journal of Experimental Biology and Agricultural Sciences*. 10(4),818-830, [https://doi.org/10.18006/2022.10\(4\).818.830](https://doi.org/10.18006/2022.10(4).818.830)
- ✓ Mousa A. Alghuthaymi, Kamel A. Abd-Elsalam, Hussien M. AboDalam, Farah K. Ahmed, **Mythili Ravichandran**, Anu Kalia, Mahendra Rai. 2022. *Trichoderma*: An Eco-Friendly Source of Nanomaterials for Sustainable Agroecosystems. *J. Fungi*. 8(4), 367; <https://doi.org/10.3390/jof8040367> (IF: 5.816)
- ✓ Sharmila Devi Natarajan, Balaji Nagarajan, Ramar Dinesh kumar, **Mythili Ravichandran**, Prathaban Munisamy, Varadharaju Chandrasekar. 2022. Occurrence of multi drug resistance bacteria from raw chicken meat of South India Retail markets. *International journal of Life Science and Pharma Research*. 12(1), 105-111
- ✓ Prathaban Munisamy, **Mythili Ravichandran**, Sharmila Devi Natarajan, Chandrasekar Varadharaju.2017. Biological aspects of anaerobic digestion and its kinetics: an overview. *Journal of Microbiology, Biotechnology and Food Sciences*. 6(4): 1090-1097. (IF:0.98).
- ✓ **Mythili Ravichandran**, Prathaban Munisamy, Chandrasekar Varadharaju, Sharmila Devi Natarajan. 2015. Methanogenic archaea: a multipotent biological candidate focusing toward realizing future global energy. *International Journal of Current Microbiology and Applied Sciences*.4(10): 785-793 (IF: 2.015)
- ✓ **Mythili Ravichandran**, Prathaban Munisamy, Chandrasekar Varadharaju Sharmila Devi Natarajan. 2017. A review on challenging experimental approach for methanogenic archaea cultivation. *Research Journal of Pharmaceutical, Biological and Chemical Sciences*. 8(2): 423-435. (IF: 0.35).
- ✓ **Mythili Ravichandran**, Prathaban Munisamy, Chandrasekar Varadharaju Sharmila Devi Natarajan. 2016. Rare detection and identification of methanogenic bacteria from diverse ecological niches in India for carbon balance and management in our environment. “*International Journal of Advanced Research*” 4(12): 1174-1186. (IF: 5.336).

- ✓ Sharmila Devi Natarajan, Viswadevan Viswajith, Mahendran Kandhasamy, **Mythili Ravichandran**, Prathaban Munisamy & Varadharaju Chandrasekar, 2015, An Epidemiological Study on Deadly Drug-Defying Untreatable Carbapenem-Resistant Gram-Negative Bacteria Encountered In South India. (IF: 0.7)
- ✓ Sharmila Devi Natarajan, Viswadevan Viswajith, Mahendran Kandhasamy, **Mythili Ravichandran**, Prathaban Munisamy & Varadharaju Chandrasekar, 2015. Demographical Study of Extensive Drug-Resistant Gram-Negative Bacteria with Precise Attention on XDR Uropathogen *E.coli* ' International Journal of Current Microbiology and Applied Sciences, Volume 4 Number 10 (IF: 2.0)

Book chapters

- ✓ Sumathi C Samiappan, Sharmila Devi Natarajan, Prathaban Munisamy, Rajesh Pandiyan, Suriyaprabha Rangaraj, Mahadevan Kumaresan, **Mythili Ravichandran***. 2024. synthesis and applications of biopharmaceuticals from whole-cell actinobacterial isolates. Whole-Cell Biocatalysis, Apple Academic Press, 221-266, 9781003413134, Publisher: Taylor & Francis
- ✓ R. Dineshkumar, **Mythili Ravichandran**, Durai Murugan, Muniswami, M. Suba Sri, B. Antrose Preethi, Ahamed Rasheeq, and P. Arun .2023. Exploitation of marine microalgae for commercial products, In: Algal Biotechnology, Publisher: Taylor & Francis.
- ✓ Samiappan, S.C., **Mythili, R.** 2023. Characterization of Chlorpyrifos Degrading *Pseudomonas* Sp. Isolated from Contaminated Soil. In: Jeyaseelan, A., Murugasen, K., Sivashanmugam, K. (Eds) Sustainable and Cleaner Technologies for Environmental Remediation. Environmental Science and Engineering. Springer, Cham. https://doi.org/10.1007/978-3-031-29597-3_4
- ✓ Farah K. Ahmed, Mousa A. Alghuthaymi, Kamel A. Abd-Elsalam, **Mythili Ravichandran**, Anu Kalia. 2023. Nano-based robotic technologies for plant disease diagnosis. In: Ki-Taek Lim, Kamal A. Abd-Elsalam, (Eds.). Nanorobotics and nanodiagnostics in integrative biology and biomedicine, Springer, Cham.
- ✓ Samiappan, S.C., Palanisamy, S., **Mythili, R.**, Balasubramanian, B., Issara, U., Arumugam, V.A. 2022. Common bacterial fish diseases and approaches on molecular techniques for characterization and early detection of pathogens. In: Balasubramanian, B., Liu, WC., Sattanathan, G. (eds) Aquaculture Science and Engineering. Springer, Singapore. https://doi.org/10.1007/978-981-19-0817-0_8
- ✓ **Mythili Ravichandran**, Suriyaprabha Rangaraj, Sumathi C. Samiappan, Kasi Murugan, Sharmila Devi Natarajan, Prathaban Munisamy. 2022. Non-ionic green nanoemulsion nano-insecticides/nanopesticides. Formulation, and agro-food applications. In: Kamal A. Abd-Elsalam, Kasi Murugan (Eds.). Green and food-grade nanoemulsions: Concepts, Formulation, and agro-food applications, Elsevier.
- ✓ **Mythili Ravichandran**, Sumathi C. Samiappan, Suriyaprabha Rangaraj, Kasi Murugan, Naif Abdullah Al-Dhabi, Ponmurugan Karuppiyah. 2022. Nanoemulsion formulations with plant growth promoting rhizobacteria (PGPR) for sustainable agriculture. In: Kamal A. Abd-Elsalam, Kasi Murugan (Eds.). Green and food-grade nanoemulsions: Concepts, Formulation, and agro-food applications, Elsevier.
- ✓ **Mythili Ravichandran**, Kasi Murugan, Sharmila Devi Natarajan, Sumathi Samiappan. 2021. The mystery of methanogenic archaea for sustainable development of environment. In: Sanket J. Joshi, Arvind Deshmukh, Hemen Sarma (Eds.). Biotechnology for sustainable environment, Springer. ISBN: 978-981-16-1955-7

- ✓ **Mythili Ravichandran**, Paulkumar Kanniah, Murugan Kasi. 2021. Silver nanoparticles as nanomaterial-based nanosensors in agri-food sector. In: Kamal A. Abd-Elsalam (Eds.). Nanobiotechnology for plant protection, Elsevier. ISBN:9780128235294
- ✓ Selvanayagi Krishnasamy, Ramkumar Lakshmanan, **Mythili Ravichandran**. 2021. Phytoremediation of metal and metalloid pollutants from farmland: An *in-situ* soil conservation: In: Kassio Ferreira Mendes, Rodrigo Nogueira de Sousa and Kamila Cabral Mielke (Eds.). Biodegradation technology of organic and inorganic pollutants, IntechOpen. ISBN:978-1-83968-896-6

NCBI Publications

- ✓ *Bacillus cereus* strain RM1 16S ribosomal RNA gene, partial sequence. <https://www.ncbi.nlm.nih.gov/nucore/ON773412>
- ✓ *Priestia megaterium* strain RM2 16S ribosomal RNA gene, partial sequence. <https://www.ncbi.nlm.nih.gov/nucore/ON773822>
- ✓ *Enterobacter hormaechei* strain PJ 16S ribosomal RNA gene, partial sequence. <https://www.ncbi.nlm.nih.gov/nucore/ON778700>
- ✓ *Bacillus subtilis* strain AS1 16S ribosomal RNA gene, partial sequence. <https://www.ncbi.nlm.nih.gov/nucore/ON778726>

Peer Reviewer/ Guest Editor Experience

- ✓ Guest Editor in Biomass Conversion and Biorefinery; Special Issue Microbial-based Biomass Conversion, Utilization and Valorization. <https://www.springer.com/journal/13399/updates/23932380> (Springer; IF: 4.103)
- ✓ Guest Editor in Environmental Science and Pollution Control Research; Special Issue on Marine microbial-mediated carbon dioxide sequestration, utilization and conversion (CCSU) for blue carbon management and pollution control (MMCBP-2023). <https://www.springer.com/journal/11356/updates/25344504>, (Springer; IF: 5.190)
- ✓ Guest Editor in Aqua International; Special Issue on Marine microbial-mediated carbon dioxide sequestration, utilization and conversion (CCSU) for blue carbon management and pollution control (MMCBP-2023). <https://www.springer.com/journal/11356/updates/25344504>, (Springer; IF: 5.190)
- ✓ Reviewer in Biomass Conversion and Biorefinery Journal (Springer; IF:4.103)
- ✓ Reviewer in Biocatalysis and Agricultural Biotechnology Journal (Elsevier; IF:4)
- ✓ Reviewer in Chemical Papers (Springer; IF:2.2)
- ✓ Reviewer in Discover Environment (Springer)
- ✓ Reviewer in BMC Agriculture (Springer)

Organizer-Conference/ Seminar/ Workshop/ FDP

Title	National/ International	Nature of the Program	Date & Year	Role
-------	-------------------------	-----------------------	-------------	------

Emerging opportunities and challenges in management of aquaculture and agriculture productivity and economic resilience (EOCMAA-2024) & Marine bioresource conservation and sustainable utilization marine-based products (MBCSUM-2024)	National Funded by Indian council of Agricultural Research (ICAR) & Ministry of Earth Sciences (MoES)	Conferences	15.03.2024 & 16.03.2024	Convener
Marine Conservation and Commercialization of marine-based products for bio-Sustainability	National	Conference	23.02.20 23 & 24.02.20 23	Convener
Microbizz	National	Quiz	2022	Organizing Secretary
Responsibilities of Microbiologists in Combating Pandemic Diseases	National	FDP	08.07.20 20- 10.07.20 20	Organizing Secretary
Global pandemic burden- COVID-19	National	Quiz	18.07.20 20	Organizing Secretary

Research Projects Guided

Year	No.of Students Guided			
	UG	PG	M.Phil	Ph.D
2016-2017	5	2	-	-
2017-2018	6	2	-	-
2018-2019	5	3	-	-
2019-2020	6	3	-	-
2020-2021	7	3	-	-
2021-2022	6	3	-	-
2022-2023	-	3	-	-
2023-2024	-	3	-	-

Membership in Professional Bodies

- ✓ Life time member in Indian Association of Applied Microbiologists (IAAM) (No. 503).
- ✓ Online member in American Society of Microbiology (ASM).
- ✓ Online member in South Indian Microbiologist Association (SIMA)
- ✓ Online member in Indian Initiative for Management of Antibiotic Resistance (IIMAR).

Invited Talks

- ✓ Served as a resource person for “Bio-based Therapeutics against COVID-19 crisis” webinar on 11th May 2021 at PPG College of Arts & Science, Coimbatore-35.
- ✓ Served as a resource person for “Infodemiological overview on bio-based therapeutic measures to combat overwhelming pandemic COVID-19 waves” webinar on 13th March 2021 at Namakkal Kavignar Ramalingam Government Arts College (W), Namakkal- 637 001.
- ✓ Served as a resource person for “Mushroom Cultivation” workshop on January 2016 at Nandha College of Arts and Science.

Computer Literacy

- ✓ Completed Diploma courses : HDFC, PCP, Tally9
- ✓ Packages : MS- Office, Tally9
- ✓ Operating System : Windows XP
- ✓ Language : C, C++, HTML
- ✓ Database : Foxpro
- ✓ Softwares : SPSS, SCILAB, MATLAB , Bio-Render
- ✓ Bioinformatics Tools : DNA Sequencing, FASTA, BLAST, PDB, NCBI, Algorithms
ALIGNMENTS (Local and Global), Drug designing

Leisure pursuit

- ✓ Discovery of novel microorganisms and plants
- ✓ Discovery and inventions of novel technology in life science
- ✓ Herbarium, Fungarium and Algarium preparation
- ✓ Scientific photographer
- ✓ Reading reputed scientific journals

Training and short term courses

- ✓ Participated National level workshop on “Southern Blotting & Southern Hybridization” organized by the Department of Microbiology, K.S.Rangasamy College of Arts and Science, Tiruchengode on 29.12.2023
- ✓ FDP Programme on “Basic Services in Lab Instruments” conducted by PG & Research Department of Physics, Vivekanandha College of Arts and Sciences for Women, Tiruchengode on 19 & 20.05.2022
- ✓ FDP Programme on “Recombinant DNA Techniques” conducted by Department Biochemistry, K.S.Rangasamy College of Arts and Science, Tiruchengode on 07.03.2020
- ✓ Participated in one day hands on training on “Animal Cell Culture Techniques” conducted by PG & Research Department of Biotechnology, Mahendra Arts & Science College, Tiruchengode on 14.09.2019
- ✓ FDP Programme on “CRISPR-Gene Editing and its Future” conducted by Department Biochemistry, K.S.Rangasamy College of Arts and Science, Tiruchengode on 22.08.2019
- ✓ Participated National Workshop on “Green Initiatives in Energy and Environment (GIEE-2014)” conducted by Department of Environmental Science, Periyar University, Salem on 12 & 13.11.2018
- ✓ FDP Programme on “Computer for Biologists and Chemists” conducted by Department of life science (Biochemistry, Biotechnology & Microbiology) & Chemistry K.S.Rangasamy College of Arts and Science, Tiruchengode on 27.11.2015
- ✓ Training programme on “Bee Keeping” conducted by Department of Agricultural Entomology, TNAU, Coimbatore on 06.02.2015
- ✓ Participated National Workshop on “Analytical and Preparative HPLC Techniques” conducted by Department of Microbiology, Periyar University, Salem on 11.09.2014
- ✓ TEQIP II Sponsored One week FDP Programme on “Principles of Bioreactor Engineering”

conducted by Department of Biotechnology, Anna University, Bharathidasan Institute of Technology, Tiruchirappalli on 16.12.2013- 22.12.2013.

- ✓ One week Training programme on “Instrumentation and Analytical Techniques” conducted by Division of Ecotoxicology, Salim Ali Center for Ornithology and Natural History (SACON) at Coimbatore on 16.08.2010- 20.08.2010
- ✓ One week summer workshop on “Fermentation Technology”, conducted by K.S.Rangasamy College of Arts and Science, Tiruchengode on 27.05.2010- 04.06.2010
- ✓ Participated State level workshop on “Therapeutic uses and cultivation of Medicinal plants” organized by the Department of Biochemistry, K.S.Rangasamy College of Arts and Science, Tiruchengode on 26&27.03.2010.

Noteworthy

- ✓ A paper presented on “Methanogenic archaea: A multipotent biological candidate” in the National conference on Biological research & Innovations in Food, Agriculture, Health & Environment (NCBRI 2023) organized by Department of Microbiology, Karpagam Academy of Higher Education on 17.03.2023.
- ✓ A paper presented on “Role of Methanogenic archaea in biological sequestration of carbon dioxide and climate change mitigation” in DST-SERB Sponsored National conference on Integrative-Omics in the Ocean Climate Change conducted by Centre for Ocean Research, Col. Dr. Jeppiaar Research Park, Sathyabama University on 09& 10.02.2023.
- ✓ A paper presented on “Methanogenic archaea: A multipotent biological candidate” in National conference on Biological Research & Innovations in Food, Agriculture, Health & Environment (NCBRI-2023) conducted by Department of Microbiology, Karpagam Academy of Higher Education on 17.03.2023
- ✓ A paper presented on “Investigation of agroactive compounds from plant rhizospheric actinomycetes” in CSIR sponsored national conference on Translating the Science of Nutrition into Art of Healthy Living conducted by Department of Biological Sciences, K.S.Rangasamy College Of Arts And Science, Tiruchengode on 30 & 31.01.2019.
- ✓ Participated in a Three days National Conference on “Empowering Mankind with Microbial Technologies” held at Tamil Nadu Agricultural University, Coimbatore on 12-14.11.2014.
- ✓ A paper presented on “Cultivation of methanogenic archaea for biofuel production” in International conference on Nanobiotechnology in Cancer Research (NCR- 2014) conducted by Department of Biotechnology, Periyar University, Salem on 21.07.2014.
- ✓ A paper presented on “Archeal-based biofuel production for sustainable future” in National conference on Universal Panorama in Mastering Microbes conducted by Department of Microbiology and Biotechnology, Sengunthar Arts and Science College, Tiruchengode on 28.02.2014
- ✓ Participated in two days AICTE sponsored National Seminar on “Innovative Green Technologies for Geologic Sequestration of Carbon Dioxide (CO₂) and to protect Atmosphere” conducted by Department of Chemical Engineering, Erode Sengunhar Engineering College, Erode on 7 &8.01.2014.
- ✓ A paper presented on “Isolation of methanogens from environmental samples to enhance the production of methane fuel” in IAAM national conference held at PSG college of arts and science, Coimbatore, TN on 29 &30.11.2013.
- ✓ A paper presented on “Carbon dioxide sequestration using anoxic microbial consortium for the production of Methane fuel” in International symposium on Bioscience research for present and future conducted by Department of Biosciences, Vivekanandha Arts And Science College For Women, Tiruchengode, on 18.11.2013.
- ✓ Participated in a two day National Seminar on “Textile Dye Effluents and its Health Impacts- a Bioremedial Approach” organized by Department of Microbiology, K.S.Rangasamy College of Arts And Science, Tiruchengode on 15 & 16.02.2012.
- ✓ A poster presented on “Antiaging herbs” in National Level seminar on Vistas in Plant and Microbial Biotechnology conducted by PG and Research Department of Microbiology,

biotechnology and Biochemistry held at Sengunthar Arts and Science College, Tiruchengode on 19.02.2010

- ✓ A poster presented on “Impact of gold nanoparticles in the treatment of Tuberculosis” in national level seminar on recent trends in microbiology and microbial nanotechnology conducted by D.K.M College of Arts and Science for Women at Vellore held on 12.02.2010
- ✓ Participated in National Level Seminar on “Impact of Research on Medicinal Plants” organized by PG and Research Department of Botany, Arignar Anna college of Arts and Science at Namakkal held on 12.09.2009.
- ✓ Participated in Waters Company’s presentation over instrumentation at Coimbatore.
- ✓ Participated in one day International conference on “Frontiers in Biotechnology” at Department of Biotechnology, Nandha Arts and Science College, Erode on 03.02.2017.
- ✓ Participated in two day International conference on “Technical advances in Textiles, Physical & Biological Sciences” conducted by Department of CDF, Physics and Biotechnology, Nandha Arts and Science College, Erode on 05 &06.02.2015.
- ✓ A paper presented on “PCR amplification and gene coding” in National level conference on Advancement in Transgenic Technology conducted by Department of Biosciences, Vivekanandha College of Arts and Sciences for Women, Tiruchengode on 25.09.2009.

Social Welfare

- ✓ A Grade merit certificate in NCC.
- ✓ Actively participated in many combined annual training camp programme
- ✓ Active candidate in JRC
- ✓ Active volunteer in Leprosy awareness (ILEF) and donating organization.
- ✓ Enthusiastic member in Bharath Scouts and Guides and participate many Rally Camps and got merit certificates

Strength

- ✓ Hard Worker Round the Clock and Fast Learner
- ✓ Highly Analytical thinker
- ✓ Zealous and eager to learn new techniques
- ✓ Self-motivator and quality consciousness
- ✓ Holistic approach in problem solving
- ✓ Excellent project management skill

Referees

Dr. V. Chandrasekar, Laboratory
Director,
Bioline Research Institute,17-A,
Airport main Road, Civil
Aerodrome Post,
Coimbatore- 641 014
Mobile: 0091-9976380300

Prof. Dr. M. Krishnan,
Vice Chancellor,
Central University of Tamil Nadu,
Thiruvarur.

Dr.K.Murugan,
Additional Controller of
Examinations (DD&CE), Professor,
Bioprocesses and Biofilm
Laboratory, Department of
Biotechnology, Manonmaniam
Sundaranar University,
Tirunelveli – 627012
Tamil Nadu, India
Email: murutan@gmail.com
Mobile: +91 9443696309

Dr.P.M.Ayyasamy, Associate Professor,
Department of Microbiology, Periyar
University,
Salem- 636 011, Tamil Nadu, India
Email: pmayyasamy@gmail.com
Mobile: +91 9486327103

Declaration

I hereby declare that all the statements made in curriculum vitae are true and complete to the best of my knowledge and belief.

Station : Sankari
Date : 1

Yours sincerely,



(MYTHILI RAVICHANDRAN)