

SRI SANKARA ARTS AND SCIENCE COLLEGE
ENATHUR, KANCHIPURAM

STAFF PROFILE

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| 1. | Name of the Staff | Dr. T. MURUGAN |
| 2. | Designation | Assistant Professor |
| 3. | Date of Joining | 31.07.2019 |
| 4. | Mobile Number | 9894046454 |
| 5. | E-Mail ID | tmurugamb@gmail.com |
| 6. | Nationality | Indian |
| 7. | Academic Qualification | M.Sc., Ph.D., SET |
| 8. | Field of Specialization | Bacteriology, Molecular Biology, Immunology, Microbial Technology |
| 9. | Ph.D. Thesis Title | Production Characterization and to Study the Proficiency of Microbial Surfactants for Biomedical and Pharmaceutical Applications |
| | Awarding University, Year of Award. | Noorul Islam Centre for Higher Education, 2018 |

10. Work Experience (in chronological order):

| S. No. | Name of Company/ Institution | Designation | Period |
|--------|--|---------------------------|--------------------------------|
| 1 | Kamini Biotech, Thuckalay, Tamil Nadu | Research Officer | 16-06-2010 to 30-11-2012 |
| 2 | Noorul Islam Centre for Higher Education, Kumaracoil, Kanyakumari Dt. TamilNadu | Senior Research Fellow | 13-12-2012 to 04-08-2017 |
| 3 | Noorul Islam Centre for Higher Education, Kumaracoil, Kanyakumari Dt. Tamil Nadu | Assistant Professor | 10-08-2017 to 31-05-2019 |
| 4 | Sri Sankara Arts and Science College, Enathur, Kanchipuram | Assistant Professor | 31-07-2019 to Till date |

11. Other Academic and Administrative Responsibilities:

- UG Examiner – University of Madras
- UG Examiner – Adhiparasakthi College of Arts and Science (Autonomous)
- Question Paper Setter – DKM College (Autonomous), Vellore
- Question Paper Setter – Noorul Islam Centre for Higher Education - Thuckalay

12. Publications:

| S. No. | Title of the Paper | Journal Name | Vol.No. & Page Nos. |
|--------|--|--|---------------------------|
| 1 | The extracts of <i>Carica papaya</i> (Linn.): Phytochemical studies, anti infective, antioxidant, and cytotoxic properties against cervical carcinoma | South African Journal of Botany | 2025; 177: 604- 616 |
| 2 | Characterization and antibacterial evaluation of Eco-friendly silver nanoparticles synthesized by halophilic <i>Streptomyces rochei</i> SSCM102 isolated from mangrove sediment | Molecular Biology Reports | 2024, Article No. 730 |
| 3 | Assessment of Plant Nutrients Quality in Vermicompost Processed with <i>Ceiba</i> <i>Pentandra</i> Fruit Waste by <i>Eudrilus Eugeniae</i> | Research Journal of Agricultural Sciences | 2021; 12(4): 1397-1400 |

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| 4 | Production and Characterization of Extra Cellular Pectinase from a Newly Isolated <i>Bacillus</i> Species from Fruit Waste Soil | Materials Today: Proceedings | 2021; 45(2): 2087-2090 |
| 5 | Bio-potent Bacterial Population in the Vermicompost of <i>Eudrilus eugeniae</i> in different Concentrations of Plant Waste with Cow-dung Mixture | Research Journal of Agricultural Sciences | 2021; 12(2), 478-482 |
| 6 | Estimation of Phenolic and Flavonoid Content and <i>In vitro</i> Antioxidant and Antibacterial Activity of <i>Memecylon umbellatum</i> Burn | Journal of Pharmacognosy and Phytochemistry | 2019; 8(2), 1434-1439 |
| 7 | Isolation and Identification of Endophytic Fungi <i>Rhizopus delemar</i> from <i>Memecylon umbellatum</i> in Gudiyum Forest, Tamil Nadu, India | International Journal of Scientific Research and Reviews | 2018; 7(4), 948-955 |
| 8 | Antibacterial Effect of Surface Active Agent Produced by <i>Pseudomonas</i> sp. Isolated from Saltpan | Journal of Pharmaceutical Sciences Research | 2018; 10(1), 196-197 |
| 9 | Rhamnolipid Biosurfactants Produced by <i>Pseudomonas</i> sp. MK5 and its Efficacy on Pharmaceutical Application | Research Journal of Pharmacy and Technology | 2017; 10(8), 2645-2649 |
| 10 | Synthesis and Characterization of Environment Friendly Silver Nanoparticles | Journal of Pharmaceutical Sciences Research | 2017; 9(9), 1545-1548 |
| 11 | Isolation and Screening of Biosurfactant Producing Bacteria from Halophilic Environment | International Journal of Research in Engineering and Bioscience | 2016; 4(2), 9-13 |
| 12 | Assessment of Antibacterial Efficacy of Different Tooth Pastes on Dental Caries Bacteria | Rasayan Journal of Chemistry | 2016; 9(3), 335-339 |

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| 13 | Study of <i>Vibrio</i> species and its Occurrence Frequency in Collected Seafood Samples | Asian Journal of Pharmaceutical and Clinical Research | 2016; 9 (S11), 229-231 |
| 14 | Screening, Production and Antibacterial Potential of Biosurfactant from <i>Bacillus subtilis</i> Isolated from Oil Contaminated Soil | International Journal of Pharmaceutical Sciences Review and Research | 2016; 38(2), 115-118 |
| 15 | Isolation and Identification of Chitinase Producing Native Fungi from Saltpan of Puthalam, Kanyakumari District, Tamil Nadu, India | Journal of Applied Biology and Biotechnology | 2016; 4(3), 1-5 |
| 16 | Study of Bacterial Dominance and its Occurrence Frequency in Dental Plaque Sample | International Journal of Pharmaceutical and Clinical Research | 2016; 8 (6), 548-550 |
| 17 | Production and Characterization of Alkaline Phosphatase Produced by <i>Bacillus</i> Species | Journal of Applied Biology and Biotechnology | 2015; 3(5), 31-34 |
| 18 | Study of Freshwater Fish Fauna in Periyakulam Riverine Wetland, Kanyakumari District | International Journal of Fisheries and Aquatic Studies | 2015; 2(5), 150-152 |
| 19 | Quantification of DNA in Preserved and Fresh Specimen of Cyprinid Fish – <i>Puntius arulius</i> | Crossion Resonance | 2014; 5 (2), 185-187 |
| 20 | Screening of Marine Green Algae <i>Ulva</i> Species for Anticoagulant Activity | International Journal of research in Engineering and Bioscience | 2013; 1 (1), 101-109 |
| 21 | In-vitro Antibacterial Activity and Phytochemical investigation on Leaf Extracts of <i>Cassia fistula</i> | International Journal of research in Engineering and Bioscience | 2013; 1, 32-41 |

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| 22 | Isolation and Characterization of Probiotic Lactic Acid Bacteria from Milk and Curd Samples | International Journal of Pharma and Bio Sciences | 2013; 4(1), 317-324 |
| 23 | Antimicrobial Activity and Phytochemical Constituents of Leaf Extracts of <i>Cassia auriculata</i> | Indian Journal of pharmaceutical sciences | 2013; 75(1), 122-125 |
| 24 | Antibacterial and Antifungal Activities of Actinobacteria Isolated from Rathnagiri Hills | Journal of Applied Pharmaceutical Science | 2012; 2(10), 99-103 |
| 25 | Production and Optimization of Single Cell Oil by Oleaginous Bacteria Isolated from Oil Contaminated Environments | International Journal of Current Research and Review | 2012; 4(8), 175-184 |

13. Membership in Professional Bodies: Nil

14. Seminars Conferences organized /Participation:

| S. No. | Programme Attended | Place | Organized/ Participated | Period |
|--------|--|---|-----------------------------------|-----------------|
| 1 | Recent trends in biotechnology and its ethical implications | Auxilium College, Vellore | Participated | 9 &10 Jan, 2008 |
| 2 | Microbial ecology biodiversity, molecular techniques and prospects | Kandaswami Kandar's College, Namakkal | Participated and Presented Poster | 12&13 Dec, 2008 |
| 3 | Recent trends in Microbiology and biotechnology | Dept. of Microbiology, Sri Adhi Parasakthi College, Kalavai | Participated | 11 Mar, 2009 |
| 4 | Recent Trends in Biotechnology | Holy Cross College, Nagercoil | Participated | 13 Jan, 2010 |

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| 5 | Emerging novel avenues and opportunities in modern biological sciences | Dept. of Microbiology, MR Govt. Arts College, Mannarkudi | Participated | 1&2 Mar, 2013 |
| 6 | Drug discovery, threatened medicinal plants & strategies for sustainable use | St. Andrew's College, Gorakhpur | Participated | 25&26 Sep, 2013 |
| 7 | Recent advances in biotechnology and applied microbiology | Kanchi Sri Krishna College of Arts & Science | Participated | 3&4 Mar, 2014 |
| 8 | Emerging trends in medical and environmental biotechnology | Dept. of Microbiology, Kanchi Sri Krishna College of Arts & Science, Kanchipuram | Participated and Presented Paper | 6 Mar, 2015 |
| 9 | Impact of climate change on Environmental and Biodiversity | Sri Paramakalyani centre for Excellence in Environmental Sciences, M.S. University, Alwarkurichi | Participated and Presented Paper | 26 & 27 Mar, 2015 |
| 10 | Changing Environment, Plants, diseases and Human Health- Vulnerability and Impact assessment for Adaptation to Climate change: The road to Future | St. Andrew's College, Gorakhpur | Participated | 9 &10 Nov, 2016 |

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| 11 | Transitional and Translational Scenarios in Biological Sciences | Dept. of Microbiology, Dr. N.G.P. Arts and Science College, Coimbatore | Participated and Presented Paper | 9 & 10 Sep, 2016 |
| 12 | Recent Advances in Engineering, Science and Technology | Dept. of Biomedical engineering, Noorul Islam University | Participated | 28 Mar 2017 |
| 13 | Microbes, Microbial processes and Products | PG Dept. of Microbiology, STET Women's College, Sundarakkottai | Participated and Presented Paper | 12 Sep, 2017 |
| 14 | Future trends in Marine Biotechnology | CMST, Manonmaniam Sundaranar University | Participated and Presented Paper | 14th & 15th February 2019 |
| 15 | Webinar on How to Diagnosis COVID 19 diagnose Novel Corona Virus (COVID19) | Immugenix Biosciences | Participated | 4 th May 2020 |
| 16 | “Webinar Series 2020” On Peptide Microarray and COVID 19 diagnosis | Government Arts College for Women, Krishnagiri | Participated | 20 th June 2020 |
| 17 | National on Webinar NAAC – Revised Accreditation Framework: Pathway to Excellence in HEI | IQAC, Sri Sankara Arts and Science College | Participated | 19 th February 2021 |

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| 18 | Webinar on “Road to Success: Handling Stress to Reach your Goal” | Institution Innovation Council, Holy Cross College (Autonomous), Nagercoil | Participated | 24-05-2021 |
| 19 | National level Webinar on “Biodiversity Conservation and Challenges” | Department of Zoology, Holy Cross College (Autonomous), | Participated | 28-05-2021 |
| 20 | National Webinar on “Industrial Spirulina Production Technology” | Department of Microbiology, Ayya Nadar Janaki Ammal College | Participated | 02-06-2021 |
| 21 | International Webinar on “Stem cell and its Therapeutic Applications” | Department of Microbiology, Ayya Nadar Janaki Ammal College | Participated | 04-06-2021 |
| 22 | National Webinar on “Orientation Programme for Re-Accreditation of Autonomous Colleges | The National College (Autonomous), Bangalore | Participated | 03-06-2021 |
| 23 | International Virtual Conference on “Genetic Technology-2021 (ICGT-2021)” | Department of Allied Health Sciences, Noorul Islam Centre for Higher Education, | Participated | 28-05-2021 |
| 24 | Webinar on “Research Indicators, Publishing Ethics and Predatory Journals” | Library of Holy Cross College, Nagercoil | Participated | 14-07-2021 |

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| 25 | Virtual Student Development Program on CHALLENGES AND OPPORTUNITIES IN FOOD INDUSTRIES | Centre for Drug Discovery and Development, Sathyabama Institute of Science and Technology, Chennai | Participated | 27-05-2022 |
| 26 | National Seminar on "COVID -19: Pre and Post Covid Impact on Physical and Mental Health | Gurukula Kangri, Haridwar | Participated | 14-05-2022 to 15-05-2022 |
| 27 | International Webinar on "A Peek into using Next Generation Sequencing (NGS) | Department of Physiology, Saveetha Dental College & Hospitals, Chennai | Participated | 19-10-2022 |
| 28 | International Conference on Genome Biology (ICGB-6): Cell - Organism - Environment & 56th Aqua-Terr Annual Day | School of Biological Sciences, Madurai Kamaraj University | Participated | 28-02-2025 to 01-03-2025 |
| 29 | National Conference on "Innovations in Microbial Diagnostics: Bridging Biology and Technology" | Department of Microbiology, Sri Sankara Arts and Science College, Kanchipuram | Organizing person | 06 & 07 February 2025 |

15. Workshop & Training Programmes:

| S. No. | Programme | Venue | Period |
|--------|---|--|--------------------------|
| 1 | Lab Animal handling and Research | CLATR, Sathyabama University, Chennai | 28-30 Sep, 2015 |
| 2 | Advances in Microscopy, Histochemistry and Plant Microtechniques | Dept. of Plant Science, M.S. University, Tirunelveli | 26-28 Dec 2016 |
| 3 | Fundamental of Biomedical Instrumentation | Dept. of Biomedical Science and Technology, Noorul Islam Centre for Higher Education | 6 Apr 2018 |
| 4 | Outcome Based Education | Internal Quality Assurance Cell, Noorul Islam Centre for Higher Education | 2 Nov 2018 |
| 5 | Attended Faculty Development Program “Certificate Course in Bioinformatics (CCBI) | Association of Indian Biologists (AIB), Tamil Nadu | 1 to 28 Jun 2021 |
| 6 | Attended Faculty Development Program “Certificate Program in Herbal Technology (CPHT) | Association of Indian Biologists (AIB), Tamil Nadu | 3 to 30 Jun 2021 |
| 7 | Attended five-day FDP on “New Era of Biotechnological Research” | Dept. of Biotechnology, Sree Narayanaguru college, Coimbatore | 20-09-2021 to 24-09-2021 |
| 8 | Attended International one week Faculty Development Program on Research Methodology | Amar Sewa Mandal’s Kamla Nehru Mahavidyalaya, Nagpur | 02-05-2022 to 07-05-2022 |
| 9 | FDP on Directions and Dimensions of Accreditation Criteria in the light of NEP for | E & ICT ACADEMY, PDPM IIITDM, JABALPUR | 03-02-2022 to 12-02-2022 |

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| 10 | FDP on Current Trends and Development in Research in Biosciences | Dept. of Medical Laboratory Technology, Sathyabama Institute of Science and Technology, Chennai | 22-08-2023 to 26-08-2023 |
| 11 | Attended two days National Level Workshop on “Intellectual Property Rights for Life Sciences” | Department of Biotechnology, Mother Teresa Women’s University, Kodaikanal. | 27-02-2023 to 28-02-2023 |
| 12 | FDP on Diseases Due to Lifestyle Changes | Dept. Allied health Sciences, Noorul Islam Centre for Higher Education | 15-05- 2024 to 22-05-2024 |
| 13 | Attended Two-day Workshop on “Policies, Procedures and Practices” | IQAC cell, Sri Sankara Arts and Science College, Kanchipuram | 26-12-2024 to 27-12-2024 |