

SRI SANKARA ARTS & SCIENCE COLLEGE

ENATHUR, KANCHIPURAM

STAFF PROFILE

DEPARTMENT OF BIOTECHNOLOGY



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|------------|--------------------------------|--|
| 1. | Name of the Staff | Dr.A.SHYAMALA |
| 2. | Designation | Assistant Professor |
| 3. | Date of Joining | 09.10.2019 |
| 4. | Mobile Number | 9150496004 |
| 5. | E-Mail ID | shamphd1989@gmail.com |
| | | shyamalabiotech@sankaracollege.edu.in |
| 6. | Nationality | Indian |
| 7. | Academic Qualification | M.Sc., M.Phil., Ph.D |
| 8. | Field of Specialization | Microbiology Environmental biotechnology Molecular biology Microbial Nanotechnology |
| 9. | Ph.D Thesis Title | Bioprospecting of Actinomycetes: Exploring their Biomedical and Bioremediation Applications |
| 10. | Awarding University, | Thiruvalluvar University |
| | Year of Award | 2018 |

11. Work Experience:

| S.No. | Name of the Institution | Designation | Period |
|-------|--|---------------------|---------------------------|
| 1 | Sri Sankara Arts and Science College (Autonomous), Kanchipuram | Assistant professor | October 2019 to Till date |

12. Other Academic and Administrative Responsibilities:

| S.No. | Name of the Institution/Committee | Position | Period |
|-------|--|-----------|---------------------------|
| 1 | Sri Sankara Arts and Science College /Watson and Crick Forum | In charge | October 2022 to Till date |

13. Publications:

| S.No. | Title | Journal | Pages |
|-------|--|-------------------------------------|------------------|
| 1 | Biodegradation and Detoxification of Congo Red by Intuitive Bacterial Strain TVU-CR4 | <i>Int.J.Curr.Microbiol.App.Sci</i> | 9(11):3772-3781 |
| 2 | Bioremediation of Textile and Tannery Effluents – An Overview | <i>Int.J.Curr.Microbiol.App.Sci</i> | 9(11): 3782-3790 |
| 3 | Bioremediation of Methyl Orange, a synthetic textile azo dye by a halotolerant bacterial strain | <i>Int.J.Curr.Res.Acad.Rev</i> | 2(8):373-381 |
| 4 | Prodigiosin mediated biosynthesis of silver nanoparticles (AgNP'S) and evaluation of its antibacterial efficacy | <i>Int.J.Curr.Microbiol.App.Sci</i> | 4(11): 868-874 |
| 5 | Response Surface Modelling through Box-Behnken approach to optimize bacterial quorum sensing inhibitory action of Tribulus terrestris root extract | <i>Rhizosphere</i> | 6:134–140 |

14. Awards and Achievement:

| S.No | Program Attended | Place | Awards | Period |
|------|--|--|------------------------|--------------------------------|
| 1. | National seminar on “Emerging trends in medical and environmental biotechnology” | Kanchi Sri Krishna College of Arts and Science | Best Oral Presentation | 6 th March 2015 |
| 2. | State level conference on “Bio-World (Biological Wisdom of Resilient Life Science Diversity” | MMES College for Women | Best Oral Presentation | 13 th February 2015 |

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| 3. | International conference on “Creativity and Innovation for Business Sustainability” | Periyar Maniammai university | Best Oral Presentation | 6 th and 7 th November 2014 |
| 4. | National Conference on “Wonders of the small: Exploring the Microbial world” | Pondicherry University | Best Poster Presentation | 3 rd & 4 th April 2014 |
| 5. | State Level Conference on “Advancements in Biotechnology for Human Welfare and Environmental Safety” | MMES College for Women | Best Poster Presentation | 18 th February 2014 |
| 6. | National Level Seminar on ‘Emerging multiple drug resistant (MDR) and Extensively Drug Resistant(XDR) Microbes’ | DKM College for Women | Best Poster Presentation | 10 th January 2014 |
| 7. | National Seminar on “Challenges for Microbiologists to become Bio-Entrepreneurs” | Periyar university, Salem | Best Poster Presentation | 27 th August 2014 |

15. Membership in Professional Bodies:

| S.No | Name of the Membership | Venue | Period |
|------|-------------------------------|-------------------|-------------------|
| 1. | Member of UG Evaluation Board | Madras University | 2022 to Till date |

16. Seminars Conferences organized:

| S.No | Program Attended | Place | Organized | Period |
|------|---|--|-----------|---|
| 1. | National science academies’ lecture workshop in “Biotechnology – Principles and Practice” | Sri Sankara Arts & Science College, (Autonomous) | Organized | 10 th and 11 th August 2022 |

17. Oral & Poster presentation

| S.No. | Program Attended | Place | Presented | Period |
|-------|--|----------------------------|---|---|
| 1. | National Conference on 'Biotechnology for sustainable agriculture and healthcare' | Madurai Kamaraj University | Bioremediation of reactive orange 16 synthetic textile azo dye by marine actinomycetes strain | 23 rd and 24 th March 2023 |
| 2. | International Conference on "Emerging Trends in Biosciences" | MMES College for Women | Biogenic synthesis of silver nanoparticle by <i>streptomyces globisporus</i> and its anti larvicidal activity" | 27 th and 28 th February 2018 |
| 3. | International Conference on "CTECBS - 18 | DKM College for Women | Marine actinomycetes, bioremediation of azo dye and toxicity studies" | 15 th and 16 th February 2018 |
| 4. | National Symposium on "Recent Scenario of Environmental Pollution in India" | Thiruvalluvar University | "Eco-friendly Biodegradation of azo dye, metanil yellow by <i>streptomyces variabilis</i> isolated from marine sediment | 5 th October 2017 |
| 5. | International conference "Recent Advances in Bioresource Technology | Thiruvalluvar University | Bioprospecting of soil actinomycetes from forests for anti- Mycobacterial activity" | 15 th and 17 th February 2017 |
| 6. | National conference on "Public health Microbiology: Issues, Challenges, and Prevention | Madras Christian College | Eco-friendly biodegradation of azo dye Rhodamine B by <i>Streptomyces variabilis</i> isolated from marine sediment | 21 st & 22 nd September 2016 |
| 7. | National Symposium on "Recent Advances in Biomedical Technology | Thiruvalluvar University | Bacterial Detoxification of Textile Azo Dye by Halotolerant– Bacillus Sps. TVU S2 | 26 th and 27 th February 2015 |

18. Seminars Conference Participated:

| S. No. | Program Attended | Venue | Period |
|--------|--|--|---|
| 1 | International Web Conference on Advances in Biotechnology - Gene Technology | Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai. | 17 th & 18 th February 2021 |
| 2 | Virtual workshop on Disease Models of Laboratory Animal Experimentation | D.K.M College for Women, Vellore. | 15 th February 2021 |
| 3 | National E- Conference on Medical Laboratory in the COVID ERA | Vinayaka Mission's Research Foundation, Salem. | 12 th February 2021 |
| 4 | International Webinar on "Sustainable alternative for replacing Plastics to avoid the effects of Plastic Pollution | D.K.M College for women (Autonomous), Vellore. | 12 th January 2021 |
| 5 | National webinar on "Research, Innovation and Entrepreneurship in the Biotechnology Sector | ST. MARY'S COLLEGE Thrissur, Kerala. | 28 th August 2020 |
| 6 | National faculty development program on a perspective of Emerging Advances in Life Science | Ethiraj College for Women, Chennai. | 27 th to 29 th July 2020 |
| 7 | Employability Enhancement Webinar Series on Patent Professional - as a Career | Bharathidasan University, Tiruchirappalli. | 18 th May 2020 |
| 8 | National Symposium on Recent Headway in Biotechnology | Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai. | 5 th February 2020 |
| 9 | Workshop on "Mining Metabolites: From Plants to Microbes" Organized by the School of Biosciences and Technology | VIT University, Vellore. | 29 th to 31 st August 2016 |
| 10 | International Conference on "Recent Trends in Life Science | Auxilium College for Women, Vellore. | 12 th and 13 th December 2013 |
| 11 | "Biotechnology for Safe Health and Secure Environment" | Sri Ramachandra University, Chennai. | 23 rd September 2010 |

19. Participated as Resource Person: NIL

20. Workshop & Training Programmes:

| S.No | Program Attended | Venue | Period |
|------|--|---|--|
| 1 | Faculty Development Programme on Research Prospects and Progress in Biological Science (RPPB - 2022) | Department of Biotechnology, SRM Institute of Science and Technology, Ramapuram Campus, Chennai | 4 th -10 th July 2022 |
| 2 | Faculty Development Programme on Directions and 'Dimensions of Accrediation criteria in the light of NEP for HEIS' | ICT Academy, IITDM, Jabalpur | 3 rd - 12 th February 2022 |

21. Projects Completed:

| S.No | Name of the project | Period | Grant Received/Status |
|------|------------------------|--------|-----------------------|
| 1 | TNSCST Student Project | 2023 | 10,000/Till date |

22. Any other Details: Orcid Id: <https://orcid.org/0000-0002-3402-2801>

Scopus Id: Sc: <https://www.scopus.com/authid/detail.uri?authorId=57202683614>