

**SRI SANKARA ARTS & SCIENCE COLLEGE ENATHUR, KANCHIPURAM**

**STAFF PROFILE**

**DEPARTMENT OF BIOTECHNOLOGY**

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

**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 <sup>th</sup> March 2015     |
| 2.   | State level conference on “Bio-World (Biological Wisdom of Resilient Life Science Diversity” | MMES College for Women                         | Best Oral Presentation | 13 <sup>th</sup> February 2015 |

|    |   |                              |                          |   |
|----|---|------------------------------|--------------------------|---|
| 3. | International conference on “Creativity and Innovation for Business Sustainability”                             | Periyar Maniammai university | Best Oral Presentation   | 6 <sup>th</sup> and 7 <sup>th</sup> November 2014 |
| 4. | National Conference on “Wonders of the small: Exploring the Microbial world”                                    | Pondicherry University       | Best Poster Presentation | 3 <sup>rd</sup> & 4 <sup>th</sup> April 2014      |
| 5. | State Level Conference on “Advancements in Biotechnology for Human Welfare and Environmental Safety”            | MMES College for Women       | Best Poster Presentation | 18 <sup>th</sup> 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 <sup>th</sup> January 2014                     |
| 7. | National Seminar on “Challenges for Microbiologists to become Bio-Entrepreneurs”                                | Periyar university, Salem    | Best Poster Presentation | 27 <sup>th</sup> 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 <sup>th</sup> and 11 <sup>th</sup> August 2022 |

## 17. Oral & Poster presentation

| S.No. | Program Attended  | Place                                      | Presented   | Period   |
|-------|---|--|---|--|
| 1.    | National Conference on Biotechnological Advances in Biomedical, Environmental and Agricultural Technology (BEAT 2024) | Hindustan College of Arts and Science      | Bioactive Potential of Actinobacteria Isolated from the Gut of Marine Fishes  | 13 <sup>th</sup> February 2024                       |
| 2.    | International Conference on Unraveling Therapeutic Resources from Nature's Treasure                                   | Mohamed Sathak College of Arts and Science | Exhortation and optimization of marine actinomycetes in Biocuration of textile azo dye by response surface modeling     | 21 <sup>st</sup> and 22 <sup>nd</sup> September 2023 |
| 3.    | 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 <sup>rd</sup> and 24 <sup>th</sup> March 2023     |
| 4.    | 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 <sup>th</sup> and 28 <sup>th</sup> February 2018  |
| 5.    | International Conference on "CTECBS - 18  | DKM College for Women                      | Marine actinomycetes, bioremediation of azo dye and toxicity studies"   | 15 <sup>th</sup> and 16 <sup>th</sup> February 2018  |
| 6.    | 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 <sup>th</sup> October 2017                         |
| 7.    | International conference "Recent Advances in Bioresource Technology   | Thiruvalluvar University                   | Bioprospecting of soil actinomycetes from forests for anti-Mycobacterial activity"                                      | 15 <sup>th</sup> and 17 <sup>th</sup> February 2017  |
| 8.    | 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 <sup>st</sup> & 22 <sup>nd</sup> September 2016   |

|    |   |                          |   |   |
|----|---|--------------------------|---|---|
| 9. | National Symposium on "Recent Advances in Biomedical Technology | Thiruvalluvar University | Bacterial Detoxification of Textile Azo Dye by Halotolerant– Bacillus Sps. TVU S2 | 26 <sup>th</sup> and 27 <sup>th</sup> 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 <sup>th</sup> & 18 <sup>th</sup> February 2021   |
| 2      | Virtual workshop on Disease Models of Laboratory Animal Experimentation  | D.K.M College for Women, Vellore.                      | 15 <sup>th</sup> February 2021                      |
| 3      | National E- Conference on Medical Laboratory in the COVID ERA  | Vinayaka Mission's Research Foundation, Salem.         | 12 <sup>th</sup> 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 <sup>th</sup> January 2021                       |
| 5      | National webinar on "Research, Innovation and Entrepreneurship in the Biotechnology Sector                         | ST. MARY'S COLLEGE Thrissur, Kerala.                   | 28 <sup>th</sup> August 2020                        |
| 6      | National faculty development program on a perspective of Emerging Advances in Life Science                         | Ethiraj College for Women, Chennai.                    | 27 <sup>th</sup> to 29 <sup>th</sup> July 2020      |
| 7      | Employability Enhancement Webinar Series on Patent Professional - as a Career                                      | Bharathidasan University, Tiruchirappalli.             | 18 <sup>th</sup> May 2020                           |
| 8      | National Symposium on Recent Headway in Biotechnology  | Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai. | 5 <sup>th</sup> February 2020                       |
| 9      | Workshop on "Mining Metabolites: From Plants to Microbes" Organized by the School of Biosciences and Technology    | VIT University, Vellore.                               | 29 <sup>th</sup> to 31 <sup>st</sup> August 2016    |
| 10     | International Conference on "Recent Trends in Life Science   | Auxilium College for Women, Vellore.                   | 12 <sup>th</sup> and 13 <sup>th</sup> December 2013 |
| 11     | "Biotechnology for Safe Health and Secure Environment"   | Sri Ramachandra University, Chennai.                   | 23 <sup>rd</sup> 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 <sup>th</sup> -10 <sup>th</sup> 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 <sup>rd</sup> - 12 <sup>th</sup> February 2022 |

21. Projects Completed:

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

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>