

SRI SANKARA ARTS & SCIENCE COLLEGE
ENATHUR, KANCHIPURAM
STAFF PROFILE
DEPARTMENT OF BIOTECHNOLOGY



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|-----------|--------------------------------|---|
| 1. | Name of the Staff | Dr. P. Saravanan |
| 2. | Designation | Assistant Professor |
| 3. | Date of Joining | 21.06.2021 |
| 4. | Mobile Number | 9787123829 8610649909 |
| 5. | E-Mail ID | saravanan2k50@gmail.com saravananp@sankaracollege.edu.in |
| 6. | Nationality | Indian |
| 7. | Academic Qualification | M.Sc., Ph. D., |
| 8. | Field of Specialization | Microbial Biotechnology |
| 9. | Ph. D., Thesis Title | Studies on treatment of textile dyes using yeast cultures |
| | Awarding University, | Anna University, Chennai |
| | Year of Award. | July 2013 |

10. Work Experience (in chronological order):

| S. No. | Name of the Institution | Designation | Period |
|---------------|--|----------------------|----------------------------|
| 1 | Sri Sankara Arts and Science College (Autonomous), Kanchipuram | Assistant Professor | June 2021 to till date |
| 2 | Chennai Petroleum Corporation Limited, Chennai | Post-Doctoral Fellow | May 2017 to October 2020 |
| 3 | Chennai Petroleum Corporation Limited, Chennai | Research Associate | March 2015 to March 2017 |
| 4 | Sri Sankara Arts and Science College, Kanchipuram | Assistant Professor | June 2013 to February 2015 |

11. Other Academic and Administrative Responsibilities:

| S. No. | Name of the Institution/Committee | Position | Period |
|---------------|--|-----------------|-----------------|
| 1 | Sri Sankara Arts and Science College/Academics | Coordinator | 2021- Till date |
| 2 | Sri Sankara Arts and Science College/ Biotechnology Board of Studies | Member | 2021- Till date |
| 3 | Sri Sankara Arts and Science College/Attendance committee | Member | 2021- Till date |
| 4 | Sri Sankara Arts and Science College/Autonomous Extension Inspection committee | Member | 2021 |
| 5 | Sri Sankara Arts and Science College/Furniture maintenance committee | Member | 2021- Till date |
| 6 | Sri Sankara Arts and Science College/Research and Seminar committee | Member | 2013 -2015 |
| 7 | Sri Sankara Arts and Science College/Placement committee | Member | 2013 -2015 |
| 8 | Sri Sankara Arts and Science College/Attendance committee | Member | 2013 -2015 |
| 9 | Sri Sankara Arts and Science College/Autonomous Steering committee | Member | 2013 -2015 |

12. Publications:

International Journals:

| S. No | Authors | Title | Journal | Year | Vol. (I), pp./ Art. No. | Impact Factor (2022) |
|-------|--|--|---|------|-------------------------|----------------------|
| 1 | P. Saravanan, S. Kumaran, S. Bharathi, P. Sivakumar, P. Sivakumar, S. R. Pugazhvendan, W. Aruni, S. Renganathan | Bioremediation of synthetic textile dyes using live yeast <i>Pichia pastoris</i> | Environmental Technology & Innovation | 2021 | 22, 101442 | 7.758 |
| 2 | S. Bharathi, B. Ramesh, S. Kumaran, M. Radhakrishnan, D. Saravanan, P. Saravanan, S. R. Pugazhvendan, M. S. Nalinasundari, | Development of nanobiomaterial for wound healing based on silver nanoparticles loaded on chitosan hydrogel | 3 Biotech | 2021 | 11(12), 490 | 2.893 |
| 3 | N. R. Tentu, A.P.B. Balaji, P. Mani, P. Botsa, S. Bharathi, P. Saravanan, A. Wilson, S. Kumaran, S. R. Pugazhvendan, P. Sivakumar | Nanoremediation of dimethomorph in water samples using magnesium aluminate nanoparticles | Environmental Technology & Innovation | 2020 | 20, 101176 | 7.758 |
| 4 | E. Thiyagarajan, P. Saravanan, S. Shiyamala Devi, N. Nagendra Gandhi, S. Renganathan | Biosorption of reactive red 2 using positively charged <i>Metapenaeus monoceros</i> shells | Journal of Saudi Chemical Society | 2017 | 21(1), S1-S6 | 4.712 |
| 5 | N. Praveena, P. Saravanan, M. Dharmendra Kumar, N. Nagendra Gandhi, S. Renganathan | Biosorption of Reactive Red 198 from an aqueous solution using <i>Acalypha indica</i> | Asia-Pacific Journal of Chemical Engineering | 2012 | 7, 761-768 | 1.777 |
| 6 | G. Geoprincy, P. Saravanan, N. Nagendra Gandhi, S. Renganathan | A novel approach for studying the combined antimicrobial effects of silver nanoparticles and antibiotics through agar over | Digest Journal of Nanomaterials and Biostructures | 2011 | 6(4), 1557-1565 | 0.899 |

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|---|--|--|---|------|------------------|-------|
| | | layer method and disk diffusion method | | | | |
| 7 | G. Saranya, P. Saravanan , M. Dharmendira Kumar, S. Renganathan | Equilibrium uptake and bioaccumulation of basic violet 14 using submerged macrophyte <i>Hydrilla verticillata</i> | Clean -Soil, Air, Water | 2011 | 39(3), 283–288 | 2.404 |
| 8 | N. Naveen, P. Saravanan , G. Baskar, S. Renganathan | Equilibrium and kinetic modelling on the removal of reactive red 120 using positively charged <i>Hydrilla verticillata</i> | Journal of the Taiwan Institute of Chemical Engineers | 2011 | 42(3), 463–469 | 5.477 |
| 9 | R. M. Reema, P. Saravanan , M. Dharmendira Kumar, S. Renganathan | Accumulation of methylene blue dye by growing <i>Lemna minor</i> | Separation Science and Technology | 2011 | 46(6), 1052-1058 | 2.799 |

Indian Journal:

| S. No | Authors | Title | Journal | Year | Volume (Issue), Pages |
|-------|--|---|--|------|-----------------------|
| 1 | G. Saranya, P. Saravanan , N. Nagendra Gandhi, M. Dharmendira Kumar, S. Renganathan | Biosorption kinetics and equilibrium uptake of reactive red 120 dye onto <i>Nelumbo nucifera</i> | Journal of Environmental Science and Engineering | 2016 | 58(4), 239-246 |
| 2 | N. Naveen, P. Saravanan , N. Nagendra Gandhi, S. Renganathan, | Equilibrium and kinetic modeling for the biosorption of reactive red 120 by <i>Ludwigia peploides</i> biomass | Journal of Environmental Science and Engineering | 2015 | 57(3), 183-189 |
| 3 | Sneha Yadav, P. Saravanan , S. Renganathan | Accumulation of malachite green and crystal violet dye from synthetic effluents using single cell microalgae <i>Chlamydomonas reinhardtii</i> | Asian Journal of Chemistry | 2014 | 26(15), 4801-4806 |
| 4 | J. Sivapriya, P. Saravanan , P. Saranya, N. Nagendra Gandhi, S. Renganathan | Kinetic studies on biosorption of acid blue 15 using nuisance weed <i>Salvinia minima</i> | Indian Journal of Environmental Protection | 2014 | 34(3), 189-198 |

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|----|--|---|--|------|--------------------------|
| 5 | Sneha Yadav, P. Saravanan , P. Saranya, S. Renganathan | Accumulation of crystal violet using <i>Chlorella vulgaris</i> | Indian Journal of Environmental Protection | 2014 | 34(7), 559-564 |
| 6 | P. Saranya, P. Saravanan , N. Nagendra Gandhi, S. Renganathan | Bioremediation of textile dyes using terrestrial and aquatic plants- A Review | Indian Journal of Environmental Protection | 2013 | 33(7), 567-577 |
| 7 | J. Jisha, G. Baskar, P. Saravanan , P. Saranya, S. Shiyamala Devi, N. Nagendra Gandhi, S. Renganathan | Equilibrium and kinetic modeling on biosorption of Acid Red 88 from aqueous solution using <i>Typha latifolia</i> | Indian Journal of Environmental Protection | 2013 | 33 (10), 793-803 |
| 8 | J. Sivapriya, P. Saravanan , N. Nagendra Gandhi, S. Renganathan | Kinetics and equilibrium uptake on biosorption of acid black 24 using <i>Azolla caroliniana</i> | Indian Journal of Environmental Protection | 2013 | 33(12), 1014- 1023 |
| 9 | M. Divyamahalakshmi, P. Saravanan , P. Saranya, N. Nagendra Gandhi, S. Renganathan | Phytoaccumulation of Basic Red 23 dye using fresh water submerged live <i>Ceratophyllum demersum</i> plant | Indian Journal of Environmental Protection | 2013 | 33(7), 593-601 |
| 10 | M. Reema, P. Saravanan , P. Saranya, N. Nagendra Gandhi, S. Renganathan | Equilibrium and kinetic studies on the removal of acid green 27 dye using positively charged biosorbent <i>Ocimum tenuiflorum</i> | Indian Journal of Environmental Protection | 2013 | 33(3), 194 – 205 |
| 11 | P. Saravanan , P. Sivakumar, G. Geoprincy, N. Nagendra Gandhi, S. Renganathan | Biosorption of acid green 1 using dried <i>Rhodotorula glutinis</i> biomass | Indian Journal of Environmental Protection | 2012 | 32(3), 207 – 214 |
| 12 | P. Saravanan , P. Sivakumar, T. Suganya, N. Nagendra Gandhi, S. Renganathan | Bioaccumulation of reactive red 11 using live yeast <i>Rhodotorula glutinis</i> | Indian Journal of Environmental Protection | 2012 | 32(3), 249 – 255 |
| 13 | J. Kalpana, P. Saravanan , N. Nagendra Gandhi, S. Renganathan | Equilibrium modelling on biosorption of basic violet 1 dye using <i>Calotropis gigantea</i> biomass | Indian Journal of Environmental protection | 2011 | 31(10), 825-832 |

Regional Journal:

| S. No | Authors | Title | Journal | Year | Volume (Issue), Pages |
|-------|---|---|-----------------------------------|------|-----------------------|
| 1 | B. Sivasankari, A. Baskaran, E. Praveen Kumar, P. Saravanan | A critical review on alternate fuel from various sources | Bhamathi Microbiology News Letter | 2015 | 5(1), 18-31 |
| 2 | P. Saravanan , S. Renganathan, | Equilibrium and kinetic studies on the removal of reactive red 11 dye using dried <i>Rhodotorula glutinis</i> biomass | Bhamathi Microbiology News Letter | 2013 | 3(1), 9-15 |

Book Chapter:

| S. No | Authors | Chapter | Book | Year Pages | Publisher | ISBN |
|-------|---|--|--|---------------|-----------------------|---------------|
| 1 | S. Renganathan, P. Saravanan , G. Baskar, M. Vijay, M. Shyamasundari | Treatment of textile dyes using biosorption and bioaccumulation techniques | (Editor: V. Sivasubramanian) Environmental Sustainability Using Green Technologies | 2016, 213-240 | Boca Raton, CRC Press | 9781315364339 |

13. Awards / Distinction:

| S. No. | Name of the Award/ Distinction | Venue | Period |
|--------|---|---|--------|
| 1 | Obtained 41 st Rank in M.Sc., Applied Microbiology | University of Madras, Chennai | 2008 |
| 2 | Service Award for the successful completion of Doctorate Degree | Sri Sankara Arts and Science College, Kanchipuram | 2013 |

14. Membership in Professional Bodies:

| S. No. | Name of the Membership | Venue | Period |
|--------|-------------------------------|-------------------------------|--------|
| 1 | Member in UG Evaluation Board | University of Madras, Chennai | 2022 |

15. Seminars Conferences organized /Participation:

| S. No | Name of the Program | Place | Organized/ Participated | Period |
|--------------|---|---|-----------------------------------|---|
| 1 | Virtual – National Conference on “Transforming Trends in Life Science and Health Care” | Department of Biotechnology, Dwaraka Doss Goverdhan Doss Vaishnav College (Autonomous), Chennai in association with Indian Science Congress Association (Chennai chapter) | Participated and Paper Presented | 17-18 November 2021 |
| 2 | National Conference on "Frontiers in translational Microbiology" | PG Department of Microbiology, Sri Sankara Arts and Science College, Kanchipuram | Organized | 08 January 2015 |
| 3 | National Seminar on “Immunological Techniques and Applications” | CAS Marine Biology, Faculty of Marine Science, Annamalai University, Parangipettai | Participated | 12-13 September, 2014 |
| 4 | National Conference on Sustainable Innovations in Industrial Waste Management, | Hidustan College of Arts & Science, Padur, Kelambakkam | Participated and Paper Presented | 28 th January 2014 |
| 5 | ETOB- 2011 | Presidency College and IIT Madras, Chennai | Participated and Paper Presented | 14 th -16 th July 2011 |
| 6 | National seminar on “Mycotic diseases in the 21 th century” | Department of Microbiology, Sri Sankara Arts and Science College, Kanchipuram | Participated and Paper Presented | 28 th February 2008 |
| 7 | 5 th National Conference of IAAM | Department of Microbiology, Sri Sankara Arts and Science College, Kanchipuram | Participated and Poster Presented | 11 th – 12 th January 2007 |
| 8 | One-day conference and CME programme on “Newer antituberculosis drugs: antibiotics from untapped sources and from synthesized compounds | L&T Microbiology Research Centre, Vision Research Foundation, Sankara Nethralaya and IAMM, Chennai | Participated | 24 th February 2007 |
| 9 | National Symposium on “Emerging and Re-emerging Viral Diseases” | Department of Microbiology, Asan Memorial College of Arts and Science, Chennai | Participated | 12 th October 2006 |
| 10 | Recent trends in microbial biotechnology | Sri Sankara Arts and Science College, Kanchipuram | Participated | 29 th - 30 th December 2003 |

16. Participated as Resource Person:

Nil

17. Workshop & Training Programmes:

| S. No | Name of the Workshop | Place | Organized/ Participated | Period |
|-------|--|--|-------------------------|---|
| 1 | International Conference on Advances In Biotechnology - “Research, Innovations and Entrepreneurial Venues – An Outlook” (ICAB - 2022), organized by, held from | Department of Biotechnology, Dwaraka Doss Goverdhan Doss Vaishnav College (Autonomous), Chennai | Participated | 19 th - 20 th October, 2022 |
| 2 | National Science Academies’ Lecture workshop in “Biotechnology – Principles and Practice” | Sri Sankara Arts and Science College (Autonomous), Kanchipuram -631561 | Organized | 10 th – 11 th August, 2022. |
| 3 | Online 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 -600 089 | Participated | 4 th – 10 th July 2022. |
| 4 | Online Faculty Development Programme on Directions and Dimensions of Accreditation Criteria in the light of NEP for HEIs | E&ICT Academy, Indian Institute of Information Technology Design and Manufacturing, Jabalpur and Sri Sankara Arts and Science College (Autonomous), Kanchipuram - 631561 | Participated | 3 rd – 12 th February 2021 |
| 5 | Faculty Development Programme on “Computer Applications for effective Teaching & Research” | Sri Sankara Arts and Science College, Kanchipuram | Organized | 15 th – 28 th October, 2014 |
| 6 | National Workshop on “Recent Techniques in Marine Fish Immunology”, | CAS Marine Biology, Faculty of Marine Science, Annamalai University, Parangipettai | Participated | 01 st -02 nd March 2014 |
| 7 | Workshop for College Faculty Development | National Intellectual Organization, Tamilnadu and Sri Sankara Arts and Science Collage, Kanchipuram -631561 | Participated | 30th January 2014. |
| 8 | National Workshop on “Biofuels and Bioenergy” | Department of Biotechnology and Chemical Engineering, St. Joseph’s College of Engineering, Chennai | Participated | 04 th September 2014 |
| 9 | workshop on “Virological Techniques” | Department of Microbiology, Sri Sankara Arts and Science College, Kanchipuram -631561 | Participated | 29 th February 2008 |

18. Students Project Guided:

| S. No | Name of the Student (Reg. No.) | Title of the Project | Degree | Academic Year | Funding Source |
|-------|----------------------------------|---|--------|---------------|----------------|
| 1 | G. Jayasrilatha (2320185) | Studies on isolation and characterization keratinase producing bacteria from feather dumping area | M.Sc. | 2013-2014 | Nil |
| 2 | S. Suresh Balaji (2001212047005) | Antibacterial, DPPH radical scavenging activity, Alpha Amylase inhibition assay of <i>Mukia madaraspatana</i> | M.Sc. | 2021-2022 | Nil |
| 3 | S. Guruprasath (2001212047011) | Microbial enhanced oil recovery (MEOR) process culture nutrient optimization study | M.Sc. | 2021-2022 | TNSCST |

19. Any other Details: -

Scopus Author URL : <https://www.scopus.com/authid/detail.uri?authorId=36632858500>

Scopus Author ID : 36632858500

ORCID URL : <https://orcid.org/0000-0001-7775-5709>

ORCID ID : 0000-0001-7775-5709

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

Vidwan Profile URL : <https://vidwan.inflibnet.ac.in/profile/229927>

Vidwan-ID : 229927

GenBank Submissions: Accession Numbers: KJ590495, KM091675