

SRI SANKARA ARTS & SCIENCE COLLEGE

ENATHUR, KANCHIPURAM

STAFF PROFILE

DEPARTMENT OF BIOTECHNOLOGY

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
5	LifeCell International Private Limited, Chennai	Laboratory Technologist	May 2008 to July 2009

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 (2023)
1	S. Bharathi, S. Kumaran, P. Saravanan , S. Reshma, G. Suresh, G. Sundararajan, R. Lakshmipathy,	Harnessing the potential of marine bacteria: Production, kinetics, and characterization of bacterial nanocellulose	Biocatalysis and Agricultural Biotechnology	2024	58, 103156	4
2	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	7.1
3	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	2.8
4	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	7.1
5	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	5.6
6	N. Praveena, P. Saravanan , M. Dharmendira 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	1.8

7	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 layer method and disk diffusion method	Digest Journal of Nanomaterials and Biostructures	2011	6(4), 1557-1565	0.9
8	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	1.7
9	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	5.7
10	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	2.8

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</i>	Asian Journal of Chemistry	2014	26(15), 4801-4806

		<i>reinhardtii</i>			
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
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	Environmental Sustainability Using Green Technologies (V. Sivasubramanian Editor)	2016, 213-240	Boca Raton, CRC Press	978-1-315-36433-9
2	S. Sivakumar, P. Punniyakotti, K. Kavitha and P. Saravanan	Concepts and types of vaccines	Fish Vaccines: Heath Management for Sustainable Aquaculture (E. Preetham et al., Editors).	2023, 49-64	Boca Raton, CRC Press	978-1-003-38854-8

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
2.	Member in Indian Association of Applied Microbiologist	Chennai, Tamilnadu	2023

15. Seminars Conferences organized /Participation:

S. No	Name of the Program	Place	Organized/ Participated	Period
1	National conference on Biotechnological Advances in Biomedical, Environmental and Agricultural Technology (BEAT 2024)	Department of Biotechnology, Hindustan College of Arts & Science, Kelambakkam, Chennai	Participated and Paper Presented	13 th February, 2024.
2	2 nd International conference on Molecular Basis of Cancer & Prevention (MBCP-2024)	Department of Life Sciences, School of Arts and Science, PRIST Deemed to be University, Thanjavur,	Participated and Paper Presented	07 th -08 th February, 2024.
3	2 nd International conference on Unraveling Therapeutic Resources from Nature's Treasure	PG & Research Department of BioSciences, Mohamed Sathak College of Arts and Science, Sholinganallur, Chennai.	Participated and Paper Presented	21 st -22 nd September, 2023
4	National Conference on Revolutionary Applications of Nutraceuticals and Functional Foods as Next-Generation Metabolites - A Biotechnological approach via sustainable Agriculture	Department of Biochemistry and Crop Physiology, SRM College of Agricultural Sciences Baburayanpettai – 603201, Chengalpattu Dist, Tamilnadu, India	Participated and Paper Presented	7 th - 8 th September, 2023
5	International Conference on “Concerns and threats of micobial contamination in aquatic ecosystems: sustainable restoration techniques (ICSRT’23)”	Centre for Environmental Studies (CES), Anna University, Chennai	Participated	5 th - 6 th May, 2023
6	Two days National Conference on Biotechnology for Sustainable Agriculture and Health Care NCBSAH -2023	School of Biotechnology, Madurai Kamaraj University	Participated and Paper Presented	23 rd -24 th March, 2023
7	International Conference on Advances in Biotechnology - Research, Innovations and Entrepreneurial Venues – An Outlook” (ICAB - 2022)	Department of Biotechnology, Dwaraka Doss Goverdhan Doss Vaishnav College (Autonomous), Chennai	Participated	19 th - 20 th October, 2022
8	National Webinar on “Avenues & Challenges in Tuberculosis research” in commemoration of	Centre for Drug Discovery and Development, Sathyabama Institute of Science and Technology	Participated	25 th March, 2022

	World TB Day			
9	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 th -18 th November, 2021
10	National Conference on "Frontiers in translational Microbiology"	PG Department of Microbiology, Sri Sankara Arts and Science College, Kanchipuram	Organized	8 th January, 2015
11	National Seminar on “Immunological Techniques and Applications”	CAS Marine Biology, Faculty of Marine Science, Annamalai University, Parangipettai	Participated	12 th -13 th September, 2014
12	National Conference on Sustainable Innovations in Industrial Waste Management,	Hidustan College of Arts & Science, Padur, Kelambakkam	Participated and Paper Presented	28 th January, 2014
13	ETOB- 2011	Presidency College and IIT Madras, Chennai	Participated and Paper Presented	14 th -16 th July, 2011
14	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
15	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
16	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
17	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
18	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	Online Capacity Building Programme on “ICT Tools for Teaching and	E&ICT Academy, Indian Institute of Information Technology Design and	Participated	5 th -17 th December, 2022

	Research” under “Empowering Girls to Reduce the Gender Gap in IT and ITES Sectors in South Asia Region: Training and E-Content Development Programme”	Manufacturing, Jabalpur		
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	30 th 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	Studies on isolation and	M.Sc.	2013-2014	Nil

	(2320185)	characterization keratinase producing bacteria from feather dumping area			
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. Guru Prasath (2001212047011)	Microbial enhanced oil recovery (MEOR) process culture nutrient optimization study	M.Sc.	2021-2022	TNSCST
4	G. Monika (2101212047014)	Production of biosurfactant from microbes for microbial enhanced oil recovery (MEOR)	M.Sc.	2022-2023	Nil
5	P. Nivetha (2101212047015)	Natural pigment extraction and purification from microbes for textile dyeing	M.Sc.	2022-2023	Nil
6	R. Sathiya (2101212047019)	Extraction and purification of collagenase enzyme from fish waste	M.Sc.	2022-2023	Nil
7	V. Tamilvanan (2201212047004)	Isolation, optimization and characterization of biosurfactant from oil contaminated soil sample for Microbial Enhanced Oil Recovery (MEOR)	M.Sc.	2023-2024	Nil
8	V. Bothika (2201212047005)	Production of microbial enzyme from industrial effluent for textile industry applications	M.Sc.	2023-2024	Nil

19. Any other Details:

S. No.	Description	ID	URL
1	Scopus	36632858500	https://www.scopus.com/authid/detail.uri?authorId=36632858500
2	ORCID	0000-0001-7775-5709	https://orcid.org/0000-0001-7775-5709
3	Web of Science (ResearcherID)	AAK-2303-2021	https://www.webofscience.com/wos/author/rid/AAK-2303-2021
4	Google Scholar		https://scholar.google.com/citations?user=kkItZ-EAAAAJ&hl=en
5	Vidwan	229927	https://vidwan.inflibnet.ac.in/profile/229927
6	Research Gate		https://www.researchgate.net/profile/Pannerselvam-Saravanan
7	Loop		https://loop.frontiersin.org/people/2613382/overview
8	SciProfiles	3330352	https://sciprofiles.com/profile/3330352

GenBank Submissions: Accession Numbers: KJ590495, KM091675