SRI SANKARA ARTS & SCIENCE COLLEGE (AUTONOMOUS)

ENATHUR, KANCHIPURAM - 631 561

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	Assistant Professor	June 2021 to
	(Autonomous), Kanchipuram		till date
2	Chennai Petroleum Corporation Limited,	Post-Doctoral Fellow	May 2017 to
	Chennai		October 2020
3	Chennai Petroleum Corporation Limited,	Research Associate	March 2015 to
	Chennai		March 2017
4	Sri Sankara Arts and Science College,	Assistant Professor	June 2013 to
	Kanchipuram		February 2015
5	LifeCell International Private Limited,	Laboratory	May 2008 to
	Chennai	Technologist	July 2009

11. Other Academic and Administrative Responsibilities:

S. No.	Name of the Institution/Committee	Position	Period
1	Arcot Sri Mahalakshmi Women's College (Autonomous), Villapakkam / Board of Studies in Biotechnology	Expert Member	2025-2026 to 2027-2028
2	Sri Sankara Arts and Science College (Autonomous) /Center for Advanced Statistics and Research Methodology	Faculty	2025 – Till date
3	Sri Sankara Arts and Science College (Autonomous) /Academics	Coordinator	2021- Till date
4	Sri Sankara Arts and Science College (Autonomous) / Board of Studies in Biotechnology	Member	2021- Till date
5	Sri Sankara Arts and Science College (Autonomous) / Attendance committee	Member	2021- Till date
6	Sri Sankara Arts and Science College (Autonomous) / Autonomous Extension Inspection committee	Member	2021
7	Sri Sankara Arts and Science College (Autonomous) /Furniture maintenance committee	Member	2021- Till date
8	Sri Sankara Arts and Science College/Research and Seminar committee	Member	2013 -2015
9	Sri Sankara Arts and Science College/Placement committee	Member	2013 -2015
10	Sri Sankara Arts and Science College/Attendance committee	Member	2013 -2015
11	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 (2024)
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	3.8
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	2.9
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	5.8
6	N. Praveena, P. Saravanan, M. Dharmendira Kumar, N. Nagendra Gandhi, S. Renganathan	Biosorption of Reactive Red 198 from an aqueous solution using Acalypha indica	Asia-Pacific Journal of Chemical Engineering	2012	7, 761- 768	1.6

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	1.3
8	G. Saranya, P. Saravanan, M. Dharmendira Kumar, S. Renganathan	Equilibrium uptake and bioaccumulation of basic violet 14 using submerged macrophyte Hydrilla verticillata	Clean -Soil, Air, Water	2011	39(3), 283–288	1.4
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</i> verticillata	Journal of the Taiwan Institute of Chemical Engineers	2011	42(3), 463–469	6.3
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	2.3

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 Chlamydomonas	Asian Journal of Chemistry	2014	26(15), 4801- 4806

		reinhardtii			
4	J. Sivapriya, P. Saravanan, P. Saranya, N. Nagendra Gandhi, S. Renganathan	Kinetic studies on biosorption of acid blue 15 using nuisance weed Salvinia minima	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</i> vulgaris	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</i> <i>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 Rhodotorula glutinis 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</i> glutinis	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.	Authors	Title	Journal	Year	Volume
No					(Issue),
					Pages
	B. Sivasankari,	A critical review on	Bhamathi		5(1) 10
1	A. Baskaran,	alternate fuel from various	Microbiology	2015	5(1), 18-
-	E. Praveen Kumar,	sources	News Letter	2013	31
	P. Saravanan				
2	P. Saravanan, S. Renganathan,	Equilibrium and kinetic studies on the removal of reactive red 11 dye using	Bhamathi Microbiology News Letter	2013	3(1), 9- 15
	<i>§</i> ,	dried <i>Rhodotorula glutinis</i> biomass			

Book Chapter:

S.	Authors	Chapter	Book	Year	Publisher	ISBN
No				Pages		
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,	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,	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.,	University of Madras,	2008
1	Applied Microbiology	Chennai	2008
2	Service Award for the successful	Sri Sankara Arts and Science	2013
2	completion of Doctorate Degree	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	3 rd International Conference on "Unraveling Therapeutic Resources from Nature's Treasure"	Department of Biosciences, Mohamed Sathak College of Arts and Science, Sholinganallur, Chennai.	Participated and Paper Presented	13 th – 14 th August, 2025
2	National Conference on Bioprospecting of Natural Resources for the Betterment of Society (BNRBS'25)	PG Department of Microbiology, Bharathidasan College of Arts and Science (Autonomous), Erode.	Participated and Paper Presented	8 th August, 2025
3	National Conference on Biotechnological Advances in Biomedical, Environmental and Agricultural Technology (BEAT 2025)	Department of Biotechnology, Hindustan College of Arts & Science, Kelambakkam, Chennai	Participated and Paper Presented	12 th February, 2025
4	4 th International Conference on Advances in Biotechnology-"Microbial Innovations for a Sustainable Future" 2025 (ICAB-MISF' 25)	Post Graduate Department of Biotechnology, Dwaraka Doss Goverdhan Doss Vaishnav College (Autonomous), Chennai	Participated and Paper Presented	3 rd - 4 th February, 2025
5	International Conference on Interdisciplinary Approaches in Biological Science for Innovation Research (ICIBIR-2024)	PG & Research Department of Microbiology and Department of Biotechnology, Shrimati Indira Gandhi College, Tiruchirappalli	Participated and Paper Presented	27 th September, 2024
6	International Conference on Current Trends in Biotechnology	Department of Biotechnology, Stella Maris College, Chennai	Participated and Paper Presented	11 th - 12 th September, 2024
7	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.
8	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.
9	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
10	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

11	International Conference on "Concerns and threats of microbial contamination in aquatic ecosystems: sustainable restoration techniques (ICSRT'23)"	Centre for Environmental Studies (CES), Anna University, Chennai	Participated	5 th - 6 th May, 2023
12	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
13	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
14	National Webinar on "Avenues & Challenges in Tuberculosis research" in commemoration of World TB Day	Centre for Drug Discovery and Development, Sathyabama Institute of Science and Technology	Participated	25 th March, 2022
15	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	Participated and Paper Presented	17 th -18 th November, 2021
16	National Conference on "Frontiers in translational Microbiology"	PG Department of Microbiology, Sri Sankara Arts and Science College, Kanchipuram	Organized	8 th January, 2015
17	National Seminar on "Immunological Techniques and Applications"	CAS Marine Biology, Faculty of Marine Science, Annamalai University, Parangipettai	Participated	12 th -13 th September, 2014
18	National Conference on Sustainable Innovations in Industrial Waste Management,	Hidustan College of Arts & Science, Padur, Kelambakkam	Participated and Paper Presented	28 th January, 2014
19	ETOB- 2011	Presidency College and IIT Madras, Chennai	Participated and Paper Presented	14 th -16 th July, 2011
20	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
21	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
22	One-day conference and CME programme on "Newer antituberculosis drugs: antibiotics from untapped	L&T Microbiology Research Centre, Vision Research Foundation, Sankara Nethralaya and IAMM,	Participated	24 th February, 2007

	sources and from	Chennai		
	synthesized compounds			
	National Symposium on	Department of Microbiology,		12 th
23	"Emerging and Re-emerging	Asan Memorial College of	Participated	October,
	Viral Diseases"	Arts and Science, Chennai	_	2006
	Recent trends in microbial	Sri Sankara Arts and Science		29 th - 30 th
24			Participated	December,
	biotechnology	College, Kanchipuram	_	2003

16. Participated as Resource Person:

S. No.	Programme	Venue	Period
1	Judge for the event Article on Introduction of Mathematics on National Mathematics Day Celebration- 2024	Department of Mathematics, Sri Sankara Arts and Science College, Enathur, Kanchipuram	20 th – 21 st December, 2024
2	Delivered an invited talk entitle Healthy life Leads to Wealth in Vyasa Literary Club	Sri Sankara Arts and Science College, Enathur, Kanchipuram	21 st December, 2023
3	Delivered an invited talk entitle Microbiology: An Introduction in Vyasa Literary Club	Sri Sankara Arts and Science College, Enathur, Kanchipuram	25 th September, 2013

17. Workshop & Training Programmes:

S. No	Name of the Workshop	Place	Organized/ Participated	Period
1	FDP on "Role of Artificial Intelligence in Biosciences"	Department of Biotechnology and Department of Bioinformatics, Stella Maris College (Autonomous), Chennai - 86	Participated	4 th – 8 th August, 2025
2	7-Days Research Methodology and Hands-on Workshop on SEM	Statistical Point, Birbhum, West Bengal, India	Participated	2 nd – 8 th June, 2025
3	10-Days Research Methodology and Hands-on online Workshop on JAMOVI	Statistical Point, Birbhum, West Bengal, India	Participated	21 st – 30 th April, 2025
4	7-Days Research Methodology and Hands—on Workshop on R	Statistical Point, Birbhum, West Bengal, India	Participated	1 st -7 th April, 2025
5	7-Days Research Methodology and Hands—on Workshop on JAMOVI	Statistical Point, Birbhum, West Bengal, India	Participated	23 rd – 29 th March, 2025
6	National Level Workshop on Computer Aided Drug Design and Discovery (CADDD)	Center For Drug Design and Discovery (CDDD), PG and Research Department of Biotechnology, Sri Sankara Arts and Science	Organized	27 th February, 2025 to 1 st March, 2025

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		College (Autonomous)		
		Enathur, Kanchipuram -		
		631561		
7	Online Capacity Building Programme on "ICT Tools for Teaching and Research" under "Empowering Girls to Reduce the Gender Gap in IT and ITES Sectors in South Asia Region: Training and E-Content Development Programme"	E&ICT Academy, Indian Institute of Information Technology Design and Manufacturing, Jabalpur	Participated	5 th -17 th December, 2022
8	National Science Academies' Lecture workshop in "Biotechnology – Principles and Practice"	PG and Research Department of Biotechnology, Sri Sankara Arts and Science College (Autonomous), Kanchipuram -631561	Organized	10 th – 11 th August, 2022
9	Online Faculty Development Programme on Research prospects and progress in biological science (RPPB - 2022)	Research prospects SRM Institute of Science and	Participated	4 th – 10 th July, 2022
10	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
11	Faculty Development Programme on "Computer Applications for effective Teaching & Research"	Sri Sankara Arts and Science College, Kanchipuram	Organized	15 th – 28 th October, 2014
12	National Workshop on "Recent Techniques in Marine Fish Immuonolgy",	CAS Marine Biology, Faculty of Marine Science, Annamalai University, Parangipettai	Participated	01 st -02 nd March, 2014
13	Workshop for College Faculty Development	National Intellectual Organization, Tamilnadu and Sri Sankara Arts and Science Collage, Kanchipuram - 631561	Participated	30 th January, 2014
14	National Workshop on "Biofuels and Bioenergy"	Department of Biotechnology and Chemical Engineering, St. Joseph's College of Engineering, Chennai	Participated	04 th September, 2014
15	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. Guru Prasath (2001212047011)	Microbial enhanced oil recovery (MEOR) process culture nutrient optimization study	M.Sc.	2021- 2022	TNSCST
4	G. Monika (2101212047014)	Production of biossurfactant 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
9	K. Sudharsanan (2301212047007)	Sustainable synthesis of silver nanoparticles from indigenous plant: Ecotoxicity characterization and potential for wastewater treatment	M.Sc.	2024- 2025	Nil
10	S. Tamilarasan (2301212047008)	Biosurfactant production by bacteria, media optimization, application in oil spill remediation and microbial enhanced oil recovery	M.Sc.	2024- 2025	Nil
11	N. Vishnu (2301212047009)	Microbial screening, optimization and production of cellulase enzyme producing bacteria from contaminated soil	M.Sc.	2024- 2025	Nil

19. Any other Details:

S.	Description	ID	URL
No.			
1	Scopus	36632858500	https://www.scopus.com/authid/detail.uri?authorId=36632858500
2	ORCID	0000-0001-	https://orcid.org/0000-0001-7775-5709
		7775-5709	
3	Web of	AAK-2303-	https://www.webofscience.com/wos/author/rid/AAK-2303-2021
	Science	2021	
	(ResearcherID)		
4	Google		https://scholar.google.com/citations?user=kkItZ-EAAAAJ&hl=en

	Scholar		
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

Qualification Approval Reference: No. A-II/ Special Drive 2021/AP/QA/2022/282

Dated: 07 November 2022 Effective Date: 08.03.2022