

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



1.	Name of the Staff	Dr N PRASANNABALAJI.
2.	Designation	ASSISTANT PROFESSOR
3.	Date of Joining	26-JUNE-2017
4.	Mobile Number	9786602703, 9042365169
5.	E-Mail ID	applenpb@gmail.com ; sairamnpb@gmail.com
6.	Nationality	INDIAN
7.	Academic Qualification	M.Sc., M.Phil., Ph.D. (ICAR-NET)
8.	Field of Specialization	General Microbiology, Phycology, Microbial Genetics, Research Methodology, Medical Microbiology.
9.	Ph.D., Thesis Title	“Pharmacognostical Characterization of Cyanobacterial Secondary Metabolites and Phycocyanin Pigment for Biomedical Applications”
	Awarding University, Year of Award.	Bharathidasan University, Tiruchirappalli, 2018.

10. Work Experience (in chronological order):

S.No.	Name of the Institution	Designation	Period
1	Sri Sankara Arts & Science College, PG Department of Microbiology, Enathur, Kanchipuram, Tamil Nadu, India.	Lecturer	2001 – 2006
2	Apollo arts & science college, Department of Microbiology, Chennai, Tamilnadu, India.	Lecturer	2008 – 2011
3	Sri Sankara Arts & Science College, PG Department of Microbiology, Enathur, Kanchipuram, Tamil Nadu, India.	Assistant professor	June'2017 – Till date

11. Other Academic and Administrative Responsibilities:

S.No.	Name of the Institution/Committee	Position	Period
1.	EOSEAS, Muscat, Sultanate of Oman.	Project assistant	June 2006 - June 2008

12. Publications:

S.No.	Title	Journal	Pages
1	Antibacterial activities of some Indian traditional plant extracts.	Asian Pacific Journal of Tropical Disease	S291-S295
2	Synthesis, characterization and antimicrobial studies on 13-membered-N 6-macrocyclic transition metal complexes containing trimethoprim.	Arabian Journal of Chemistry	00310-4
3	In vitro assessment of Lyngbya sp. and Phormidium sp. extracts for antibacterial and antioxidant properties. Journal of Algal Biomass Utilization	Journal of Algal Biomass Utilization,	16-29
4	Antioxidant, Antimicrobial Potential of Caulerpa racemosa Collected from Gulf of Mannar Marine Biosphere Reserve.	Journal of Current Perspectives In Applied Microbiology	035-040
5	Isolation of colicinogenic E. coli, optimization of colicin production and transformation of Col plasmid	Journal of Applied Pharmaceutical Science	047-049
6.	Synthesis, Characterization and Biological Screening of Unsymmetrical 11-Membered Tetraaza Macrocyclic Complexes containing Urea Synthesis	International Journal of ChemTech Research	1028-1038.

7.	Design, Spectral Characterization and Biological Evaluation of Unsymmetrical 11-Membered Tetraaza Macrocyclic Complexes containing Thiourea	International Journal of ChemTech Research	1039-1050
8.	"β-elemene: Mechanistic studies on cancer cell interaction and its chemosensitization effect."	Frontiers in Pharmacology	8: 105.
9.	Unraveling the presence of multi-class toxins from Trichodesmium bloom in the Gulf of Mannar region of the Bay of Bengal.	Toxicon	43-50
10	Influence of diet and dietary nanoparticles on gut dysbiosis	Microbial Pathogenesis	61-65
11	Encapsulation and in vitro Drug Release Studies of Anti Tuberculosis Drug Using Chitosan Nanoparticles.	World Journal of Medical Sciences	116-120
12	Isolation, Screening and characterization of potential streptomyces sp., against clinical pathogens	International Journal of Research and Analytical Reviews	365-373
13	Applications of Feather Keratin Hydrolysate in Divergent Fields	Bioscience Biotechnology Research Communication	12(4)-2019
14	Green synthesis of gold nanoparticles using extracellular metabolites of fish gut microbes and their antimicrobial properties	Brazilian Journal of Microbiology	51(5)-2020
15	Novel Coronavirus (Covid-19): A Review on Epidemiology, Pathophysiology, Molecular Mechanism, Therapeutic Evidence and Preventive Measures	Oriental Journal of Chemistry	36(4)-2020
16	Bioconversion of chitin and concomitant production of chitinase and N-acetylglucosamine by novel Achromobacter xylosoxidans isolated from shrimp waste disposal area	Nature - Scientific Reports	10.1-2020
17	Bioactive metabolites produced from <i>Streptomyces enissocaesilis</i> SSASC10 against fish pathogens	Biocatalysis and Agricultural Biotechnology	29-2020
18	<i>In vitro</i> screening of antimicrobial, antioxidant, cytotoxic activities, and characterization of bioactive substances	Biocatalysis and Agricultural Biotechnology	29 -2020

	from freshwater cyanobacteria <i>Oscillatoria</i> sp. SSCM01 and <i>Phormidium</i> sp. SSCM02		
19	Chitin derivatives of NAG and chitosan nanoparticles from marine disposal yards and their use for economically feasible fish feed development	Chemosphere.	28, 130746 - 2021
20	Applications of Natural Violet Pigments from Halophilic <i>Chromobacterium violaceum</i> PDF23 for Textile Dyeing with Antimicrobial and Antioxidant Potentials	Journal of Nanomaterials	23, 2022

13. Awards / Distinction:

S.No.	Name of the Award	Venue	Period
1	Best presentation award in National seminar	Cauvery College for Women, Tiruchirappalli, Tamilnadu, India.	February, 2012.
2	Best presentation award in National seminar	Bharathidasan University, Tiruchirappalli, Tamilnadu, India.	July, 2013.
3.	Best Publication presentation award	Sri sankara arts and science collece, Enathur, Kanchipuram	May, 2020

14. Membership in Professional Bodies:

S.No.	Name of the Membership	Venue	Period
1.	Member in Indian Association of Applied Microbiologist of India	India	Lifetime
JOURNAL PEER-REVIEWING			
1.	Journal of Bioorganic chemistry - (ELSEVIER)		
2.	Chemosphere - (ELSEVIER)		
3.	Journal of Materials Science and Engineering: C - (ELSEVIER)		
4.	Oriental Journal of Chemistry – NAAS, India.		
5.	International Journal of Biological Macromolecules (ELSEVIER)		

15. Seminars Conferences organized /Participation:

S.No.	Program Attended	Place	Organized/ Participated	Period
1	“Trends in Molecular Biology and Biotechnology” conducted by the University of Madras	Chennai, India.	Participated	Aug, 1999
2	“40 th Annual Conference of Association of Microbiologist of India”	Bhubaneshwar, India.	Participated	Jan, 2000.
3	“National Seminar On The Emerging Trend In Bio-Diversity and Bio-Technology in The Indian Context” organized by Christ College.	Banglore, India.	Participated	25 th to 27 th September, 2003
4	“National Level Bioconsorsia On Recent Trends In Biological Sciences” Organized by Vysya College.	Salem, India.	Participated	20 th and 21 st February, 2004.
5	“3 rd National Conference of Indian Association of Applied Microbiologists (Iaam)” organized by Adhiparasakthi college of arts and science college,	Kalavai, Tamil Nadu, India.	Presented	5 th -7 th January, 2005
6	“National Symposium On Molecular Basis Of Diseases conducted at Department Of Biotechnology” at Indian Institute of Technology Madras (IIT),	Chennai, India.	Participated	8 th and 9 th January, 2005
7	“1 st Symposium on Medical Ethics & Law” conducted by National Organization for Bioethics & Law (NOBEL).	Chennai, India.	Participated	19 th and 20 th March 2005
8	“Isolation and Identification and Optimization of Alkaline Protease Producing <i>Bacillus Spp</i> ” organized by Sankara Arts and Science College, kanchipuram, India.	Kanchipuram, India.	Participated	29 th and 30 th December, 2005.
9	“National conference on Marine Fish Immunology and Immunotechnology” organized by at Annamalai University.	Parangipettai, India.	Participated	1 st to 8 th December 2011
10	National symposium on ‘Prospects and Retrospects in Microbial Technology’ organized at Cauvery College for women,	Tiruchirappalli, India.	Participated	17 th and 18 th February, 2012
11	National conference on ‘Microbiological Research in 21 st Century’ organized by Bharathidasan University,	Tiruchirappalli. India.	Participated	27 th and 28 th February, 2012
12	National conference on “Marine Fish and Shellfish Immunology and Immunotechnology” September by Annamalai University.	Parangipettai, India.	Participated	30 th to 31 st March, 2012

13	“Workshop on Microbial Enzyme Technology” organized by Pondicherry University,	Pondicherry, India.	Presented	19 th to 22 nd June, 2012
14	National seminar on ‘Cutting Edge Microbial Research and Challenges’ September by Bharathidasan University,	Tiruchirappalli, India	Participated	25 th and 26 th February, 2013
15	National Symposium on ‘Fundamental and Applied Phycology’ held at Punjabi University.	Patiala, Punjab, India.	Participated	25 th and 26 th March, 2013
16	National seminar on ‘Microbes and Human Welfare’ jointly organized by National Academy of Biological Sciences, Chennai and Bharathidasan University,	Tiruchirappalli , India.	Participated	20 th and 21 st July, 2013.
17	National conference on “Innovations, Implementations and Controversies of Animal Biotechnology” organized by Department of Animal science, Bharathidasan University.	Tiruchirappalli, India.	Participated	20 th and 21 st March, 2014.
18	National Seminar on “Immunomolecular Techniques and Applications” conducted at CAS, Annamalai University.	Parangipettai, India.	Participated	12 th and 13 th September, 2014
19	“National Seminar on Recent Trend in Life sciences” conducted at Jamal Mohamed College,	Tiruchirappalli, India.	Participated	25 th February, 2015
20	International conference “Biotechnology and its Applications in Aquaculture and Fisheries”, organized by Centre of advanced study in marine sciences, Annamalai University,	Chidambaram, India	Participated	23 rd – 25 th , August, 2017.
21	National conference “Recent advances in microbial technology for renewable energy, bioremediation, health and sustainable agriculture” organized by Department of Microbiology, Periyar university.	Salem, India.	Participated	24 th -25 th January, 2018.
22	International conference “Recent advances in biomedical technology ”(RABT-2018), organized by Department of Biotechnology, Thiruvalluvar University.	Vellore, India.	Participated	29 th – 31 st August, 2018
23	National conference on “Microbial Diseases: Emerging trends” organized by Department of Microbiology, Dr A.L.M Post graduate institute of Basic Medical Sciences, University of Madras.	Chennai, India.	Participated	13 and 14 th November, 2018.
24	The Art of Writing Winnable Project Proposals, Jointly Organized by PG & Research Department of Biotechnology, Sri Sankara Arts & Science College and Centre for Intellectual Property Rights (CIPR), Anna university	Kanchipuram, India.	Participated	12 th july, 2019.

25	National seminar on Marine natural products as Pharmaceutical agents (NSMNP-2019)” organized by Centre for Ocean Research, Sathyabama Institute of science & technology	Chennai, Tailmnadu, India	participated	17 th and 18 th September, 2019.
26	Microbes in our life organized by Sri Kailash womens college, Thalaivasal,	Salem, India	Participated	16 th -18 th March, 2020.
27	International online conference on Covid-19, organized by Manipal university.	Jaipur, India	participated	30 th April 2020
28	Emerging respiratory viruses, including COVID-19: methods for detection, prevention, response and control	World Health Organization.	participated	1 st May, 2020
29	Infection Prevention and Control (IPC) for Novel Coronavirus (COVID-19)	World Health Organization.	participated	2 nd May, 2020
30	Standard precautions: waste management	World Health Organization.	participated	15 th May, 2020
31	Two-Day Online Industry Led Training on Amazon Web Services (AWS) organised by department of computer science and information technology, R.M.K Engineering college.	Chennai, Tailmnadu, India	participated	4 th – 5 th June, 2020.
32	Decontamination and sterilization of medical devices	World Health Organization.	participated	7 nd June, 2020
33	Webinar On Networks Matter! Estimating The Spread Of Disease In Heterogeneous organised by National centre for cell culture	Pune, India	participated	25 th June, 2020
34	Faculty Enrichment Program on "Transcending From Fixed To Growth Mindset In Turbulent Times”, organised by IQAC, Sri Sankara Arts and Science College.	Enathur, kanchipuram	participated	4 th July, 2020
35	Yoga for mental and respiratory health organized by Centre for drug discovery and development, Sathyabama Institute of science & technology	Chennai, Tailmnadu, India	Participated	20 th -22 nd july 2020
36	Nanoparticles for Biomedical Applications organized by Centre for drug discovery and development, Sathyabama Institute of science & technology	Chennai, Tailmnadu, India	Participated	23 rd July, 2020
37	Virtual conference On marine natural products – 2020 organized by Centre for Ocean Research, Sathyabama Institute of science & technology	Chennai, Tailmnadu, India	Participated	17 th to 21 st August, 2020.
38	Virtual conference on Aquaculture techniques and disease management organized by Centre for Ocean Research, Sathyabama Institute of science & technology	Chennai, Tailmnadu, India	Presented	14 th – 17 th September, 2020

39	Webinar On Naturopathy and Yoga In Commemoration of World Yoga Day Organized by Centre for Drug Discovery and Development, Sathyabama Institute of Science and Technology.	Chennai, Tailmnadu, India	Participated	22 nd Jun, 2021
40	International Webinar on “Role of Long Non-coding RNAs in Airway Mucoinflammation” organized by Department of Microbiology, Sri Sankara Arts and Science College,	Kanchipuram, Tailmnadu, India	Participated	29 th May, 2021
41	Webinar On “Group Decision Using Neural Data Fusion”, organized by MANAV, National centre for cell Science.	Pune, India.	Participated	5 th August, 2021.
42	National webinar series -1 on Industry – Institution Collaboration, Organized by IQAC, Sri Sankara Arts and Science College.	Kanchipuram, Tamilnadu, India.	Participated	28 th August, 2021.
43	National seminar on ‘ COVID-19, Pre and Post Covid impact on Physical and Mental Health’, organized by I QAC, Gurukula Kangri Deemed to be University, Haridwar.	Haridwar, India.	Participated	14 th to 15 th March, 2022.
44	National webinar on ‘Avenues & Challenges in Tuberculosis Research’ organized by the Centre for Drug Discovery and Development, Sathyabama Institute of Science and Technology.	Chennai, Tailmnadu, India.	Participated	25th March, 2022.
45	VSD program on ‘Challenges and Opportunities in Food Industries’, organized by Centre for Drug Discovery and Development, Sathyabama Institute of Science and Technology.	Chennai, Tailmnadu, India.	Participated	27 th May, 2022.

16. Participated as Resource Person:

S.No.	Program	Venue	Period
1	National conference on applications of computational biology in Omics, Organized by Dept. of biotechnology, Sri sankara arts and science college, kanchipuram.	Kanchipuram, Tamilnadu India.	11 th and 12 th October, 2018.

17. Workshop & Training Programmes:

S.No.	Programe	Venue	Period
1.	Advanced Training in “Chromatographic methods of separation” in Advanced Training Institute , Govt Of India.	Chennai, India.	12 th to 16 th March, 2012.
2.	Short Term Training course on “Biomedical Applications of RNA i Technology” conducted at Anna University.	Tiruchirappalli, India.	28 th January to 10 th February 2015
3	Faculty Development Programme on Data Science Using Python Programming organized by E&ICT Academy IIT Guwahati in association with Sri Sankara Arts and Science college.	Kanchipuram, India.	28 th January to 01 st February 2019.
4	FDP in Directions and Dimensions of Accreditation Criteria in the light of NEP for HEIs, organized by the Electronics and ICT Academy at PDPM IITDM Jabalpur with Sri Sankara Arts and Science College.	Kanchipuram, Tamilnadu, India	3 rd February to 12 th February 2022.
5	International Faculty Development Programme in Research methodology, organized by Amar sewa mandal kamla Nehru mahavidyalaya.	Nagpur, Maharashtra.	2 nd to 7 th May, 2022

18. Any other Details:

Qualified for ICAR-NET -2019, Agricultural Scientists Recruitment Board, Government of India.