

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



1	Name of the Staff	Dr. RAJESH K
2	Designation	Assistant Professor
3	Date of Joining	16.03.2022
4	Mobile Number	9865033970
5	Email ID	rajmicro1985@gmail.com
6	Nationality	Indian
7	Academic Qualification	M.Sc., M.Phil., Ph.D., NET., (ASRB)
8	Field of Specialization	Actinobacteriology, Immunology, Medical Bacteriology, Mosquito biology, Industrial Microbiology
9	Ph.D., Thesis title	Diversity, Characterization of Mosquitoes and Marine Actinobacteria for Mosquitocidal Bioactive Compound against <i>Culex quinquefasciatus</i> and <i>Aedes aegypti</i> (Diptera: Culicidae)
	Awarding University Year of Award	Bharathidasan University, Tiruchirappalli 2016

10. Work Experience (in chronological order):

S. No	Name of the Company/Institution	Designation	Period
1	Thiruvalluvar Arts and Science College, Kurinjipadi, Cuddalore district, Tamil Nadu.	Assistant Professor	June 2010 to August 2012
2.	Bharathidasan University	Junior Research Fellow (JRF): Indian Council of Medical Research	2012 to 2014
3	Adhiparasakthi College of Arts Science, G.B. Nagar, Kalavai, Ranipet district.	Assistant Professor	June 2016 to February 2022
4	Sri Sankara Arts and Science College, Enathur, Kanchipuram.	Assistant Professor	March 2022 – Till Date

11. Other Academic and Administrative Responsibilities:

- Internal Exam Committee member
- Attendance committee member
- Board of Studies Member

12. Publications:

S. No	Title of the Paper	Journal Name	Vol. No. & Page Nos.
1	Characterization and antibacterial evaluation of Eco-friendly silver nanoparticles synthesized by halophilic <i>Streptomyces rochei</i> SSCM102 isolated from mangrove sediment	Molecular Biology Reports	2024
2	Histological validation of <i>in-vivo</i> larvicidal efficacy of marine <i>Streptomyces</i> sp. RD06 secondary metabolites against filariasis causing <i>Culex quinquefasciatus</i> and statistical media optimization for larvicidal derivatives production	Acta tropica	2024

3	Mosquito Survey and Larvicidal activity of Actinobacterial isolates against <i>Culex</i> Larvae (Diptera: Culicidae)	Journal of Saudi Society of Agricultural Science	2015; 14: 116– 122
4	Survey of Container Breeding Mosquito Larvae (Dengue vector) in Tiruchirappalli District, Tamil Nadu, India	Journal of Entomology and Zoology studies	2013; 1(6): 88-91.
5	Green Synthesis, Characterization and Larvicidal Activity of AgNPs against <i>Culex quinquefasciatus</i> and <i>Aedes aegypti</i> Larvae.	American Journal of Drug Discovery and Development	2013; 3(4): 245- 253
6	Phytochemical Screening and Biological Activity of Medicinal Mushroom <i>Ganoderma</i> Sp.,	Malaya Journal of Biosciences	2014; 1(2):67–75
7	Isolation and Taxonomic Characterization of Medicinal Mushroom <i>Ganoderma</i> sp.	Academia Journal of Microbiology Research	2014; 2(2): 061-070.
8	Diversity of Silver Nanoparticles Synthesizing Actinobacteria Isolated from Marine Soil Tamil Nadu, India.	Arabian Journal of Science and Engineering.	2016: .41, 25–32
9	<i>Ganoderma</i> A bioresource of antimicrobial, In Antimicrobials: Synthetic and Natural Compounds.	Taylor & Francis Group, CRC Press.	189-201
10	Actinobacteria: A Promising Biocontrol Agent for Filariasis Vector, <i>Culex quinquefasciatus</i> Say, 1823 (Insecta: Diptera:Culicidae).	Springer	2018
11	Antimicrobial efficacy of medicinal mushroom <i>Ganoderma lucidum</i>	International Journal of Trends in Scientific Research and Development	2019; 3(3):1798-1800
12	Effect of Indole acetic acid (IAA) produced Rhizobium sp. on groundnut and black gram seed germination.	International Research Journal of Pharmaceutical and biosciences	2019; 5(2): 1-9

13. Membership in Professional Bodies: Nil

14. Seminars Conferences organized /Participation:

S. No.	Program Attended	Place	Organized/ Participated	Period
1	Recent Advance in Bioresource Technology (RABT 2025)	Thiruvalluvar University, Vellore	Participation	13.08.2025 To 14.08.2025
2	National conference on Innovation in Microbial diagnosis: Bridging Biology and Technology	Sri Sankara Arts and Science College	Participation	06.02.2025 To 07.02.2025
3	Biocontrol of Dengue Vector Aedes Mosquito Larvae using <i>Streptomyces</i> sp.	Chennai Medical College Hospital & Research Centre, Tiruchirappalli	Presented poster	26.11.2012 to 27.12. 2012
4	Mosquito Larvicidal Activity of Actinobacterial Isolates against <i>Anopheles</i> and <i>Culex</i> larvae	Centre for Research in Medical Entomology (CRME), Madurai.	Presented poster	18.09.2012 to 19.09. 2012
5	Taxonomic Characterization and Biological Activity of <i>Ganoderma</i> sp.	Bharathidasan University, Tiruchirappalli	Presented poster	25.02.2013 to 26.02. 2013
6	Survey of Container Breeding Mosquito Larvae (Dengue vector) in Tiruchirappalli district, Tamil Nadu, India.	Centre for Research in Medical Entomology (ICMR), Madurai.	Presented poster	25.07.2013 to 26.07.2013
7	Mosquito Larvicidal Activity of <i>Streptomyces</i> sp. Derived AgNPs against <i>Culex</i> and <i>Aedes</i> Mosquito Larvae	St. Teresa's College, Ernakulam, Kerala.	Oral presentation	07.10.2013 To 08.12.2013
8	Spectroscopic Characterization and Mosquitocidal activity of Metabolites from <i>Streptomyces</i> sp.	A.V.V.M Sri Pushpam College (Autonomous), Poondi, Thanjavur	Oral presentation	29.12.2014 To 30.12.2014
9	Occurrence, Distribution and Mosquitocidal Activity of	Jamal Mohamed College		

	Actinobacterial Metabolites against Dengue and Filarial Vector at Kulathur taluk, Pudukkottai dt.	(Autonomous), Tiruchirappalli- 20.	Oral presentation	25.02. 2015
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15. Workshop & Training Programmes:

S.No.	Programme	Venue	Period
1	Mosquito Larval Sample Collection, Taxonomical Identification and Larval Bio Assay Method	VCRC, Pondicherry.	25.08.2012 to 30.08.2012

16. Any other Details: - Nil