SRI SANKARA ARTS AND SCIENCE COLLEGE ENATHUR KANCHIPURAM
PG AND RESEARCH DEPARTMENT OF MICROBIOLOGY

1.	**Name of the Staff**	**Dr. M. Nithyalakshmi M.Sc., M.Phil., Ph.D.,**
2.	**Designation**	**Assistant Professor**
3.	**Date of Joining**	**27/11/2025**
4.	**Mobile Number**	**7397091356**
5.	**E-Mail ID**	**nithyalakshmi0596@gmail.com**
6.	**Nationality**	**Indian**
7.	**Academic Qualification**	**M.Sc., M.Phil., Ph.D.,**
8.	**Field of Specialization**	**Microbiology**
9.	**Ph.D Thesis Title**	**Biogenic Synthesis, Characterization and Sustainable Applications of Metal Nanocomposite using Marine Actinobacterium *Streptomyces viridosporous* PV41**
10.	**Awarding University, Year of Award.**	**Periyar University, 2026**

11. Work Experience (in chronological order):

S.No.	Name of the Institution	Designation	Period
1.	**Auxilium college (Autonomous), Vellore**	**Assistant Professor**	**August 2021-January 2022**
2.	**Sri Sankara arts and science college, Enathur, Kanchipuram**	**Assistant professor**	**November 2025-Till Date**

12. Publications: Paper and Book Publications

H- index- 4 i10- index- 3 Citation – 53 (Total impact factor – 20.8)

PAPER PUBLICATION:

S.No.	Title	Journal	Pages
1.	Synthesis of biogenic cadmium sulfide nanoparticles (MR03-CdSNPs) using marine *Streptomyces kunmingensis* - MR03 for in-vitro biological determinations and in silico analysis on biofilm virulence proteins: A novel approach	*Environmental Research*	116698

2.	Exploring Antibacterial Properties of Bioactive Compounds Isolated from Streptomyces sp. in Bamboo Rhizosphere Soil	*ACS Omega*	36333–36343
3.	Biosynthesis of actinobacterial mediated silver nanoparticle (AgNPs): therapeutic potential and in-silico docking analysis on targeted virulence receptor	*Journal of Sol-Gel Science and Technology*	293–308
4.	Fabrication of Palladium Nanoparticles and rGO-Pd Nanocomposite by Streptomyces maritimus: Antimicrobial, Antioxidant, and Scalable Applications	*Waste and Biomass Valorization*	3449–3465
5.	Facile Synthesis of Reduced Graphene Oxide using Streptomyces rochei Ra3: Characterization, Biological Applications and In Silico Analysis of Diabetes-Related Proteins	*Waste and Biomass Valorization*	13–29

13. NCBI SEQUENCE SUBMISSION

Streptomyces fradiae strain S10-1 (16S rRNA partial sequence) OQ980288

Streptomyces viridosporus strain PVSE41 (16S ribosomal RNA gene) PV459689

Ferrimicrobium acidiphilum CW22 (16S ribosomal RNA gene) ON629740

Streptomyces albus (16S rRNA partial sequence) ON629751

Streptomyces maritimus Ra19 (16S rRNA partial sequence) MZ045836

Streptomyces rochei Ra3 (16S rRNA partial sequence) MZ045838

Streptomyces sp. strain CW11 (16S rRNA partial sequence) ON629616

14. Seminars Conferences organized/Participation:

S.No.	Program Attended	Place	Organized/ Participated	Period
1.	National Academy of Biological Sciences (NABS)	Periyar University	Presented paper	January-2023
2.	International Conference on translational research in Drug Discovery and Development for sustainable Healthcare	Sathyabama University	Presented paper	May-2023
3.	Emerging Infectious diseases and human health-	Vivekanandha College of Arts and Science For women	Presented paper	January-2025

15. Workshop &Training Programs:

S.No.	Program	Venue	Period
1.	STUTI training program	CIL & Dpt. of Physics, DCRUST, associated with SAIF, Panjab University, Chandigarh	12-19 July, 2022
2.	HPLC, GCMS, SEM and RT-PCR Techniques	Periyar University, Salem	8-9 Dec, 2022
3.	Statistics and Data analysis using SPSS	Periyar University, Salem	8-9 Feb, 2024