Department of Biotechnology

S.NO	NAME	AREA OF SPECILAZATION	LINK
1	Dr. K. Balamurugan Senior Professor and Head	Host pathogen-interactions using C. elegans as model organism Understanding innate immune regulations through functional genomics, proteomics and metabolomics Studying the multigenerational adaptation during bacterial infections through multiOMICS study	https://www.alagappauniversity.ac.in/academics/faculty-of-science/school-of-biological-sciences/docs/54102.pdf
2	Dr. A. Veera Ravi Professor	• Bacterial communication system- Quorum sensing • Identification of Anti- QS compounds against Bacterial pathogens • Probiotics for aquaculture • Marine natural products • Zebrafish model system for understanding bacterial infections • Nanomaterials for aquaculture • Photocatalytic bacterial deactivation • Targeted therapy using bacterial membrane as nanocarriers.	https://www.alagappauniversity.ac.in/academics/faculty-of-science/school-of-biological-sciences/docs/54401.pdf

3	**Dr. M. Ramesh** **Professor**	**Genetic Transformation. Ex situ Conservation. Computational Omics. Elicitation.**	**https://www.alagappauniversity.ac.in/academics/faculty-of-science/school-of-biological-sciences/docs/54402_23062025.pdf**
4	**Dr. K. Pandima Devi** **Professor**	**• Exploring multi target anticancer and anti-Alzheimer's natural product leads through in silico, in vitro and in vivo approaches • Elucidation of molecular mechanisms underlying the anticancer and neuroprotective effect of natural products • Enhancing the bioavailability and drug delivery of natural leads by nano encapsulation.**	**https://www.alagappauniversity.ac.in/academics/faculty-of-science/school-of-biological-sciences/docs/54403.pdf**
5	**Dr. S. Gowrishankar** **Assistant Professor**	**Molecular Epidemiology: Molecular characterization of multidrug resistant clinical pathogens, especially MRSA. Antivirulence Therapy -"Pathoblockers": An alternative approach to combat AMR. Molecular insights into the mode of action of antivirulence agents through OMICS approach. Phage Therapy:**	**https://www.alagappauniversity.ac.in/academics/faculty-of-science/school-of-biological-sciences/docs/54405.pdf**

		Therapeutic characterization of phages against human and aquaculture pathogens. Repurposing of Antifungal Drugs: success through synergistic combination with antivirulence agents.	
6	**Dr. K. Langeswaran** **Assistant Professor**	**Molecular Oncology, Cancer Informatics, Environmental Toxicology**	**https://www.alagappauniversity.ac.in/academics/faculty-of-science/school-of-biological-sciences/docs/54406.pdf**
7	**Dr.V. Balasubramanian** **Assistant Professor**	**Screening of Novel Antibiotics from marine organisms Marine Biofilm and Biofouling Control Strategies Contact Teaching Experience: 8 Years Research Experience: 13 Years Academic and Additional Responsibilities Areas of Research Microbial Ecology Ocean Microbial Metegenomics Small Protein – Ligand Interactions Heavy Metal Bioremediation**	**https://www.alagappauniversity.ac.in/academics/faculty-of-science/school-of-biological-sciences/docs/54407.pdf**