

DEPARTMENT ACTIVITIES

Courses

The department consists of six faculty members and offers two years M.Sc. and one year M.Phil. Courses in Microbiology with intake of 24 and 18 students respectively.

Thrust Areas

- ❖ Bioactive compounds from Actinomycetes and its applications,
- ❖ Microbial Gene Technology,
- ❖ Environmental Microbiology,
- ❖ Bioremediation and Biogeochemistry,
- ❖ Medical Mycology and Ocular Microbiology,
- ❖ Enzyme technology,
- ❖ Immunomodulation,
- ❖ Cancer Biology and Infectomics.

Infrastructure

- ❖ The infrastructure includes basic instruments and modern analytical equipment for both teaching and research needs for the cost of Rs. 50 lakhs.
- ❖ The Equipment present in the department caters all the needs of the research scholars in various fields of Microbiology.

Projects

- ❖ Within five years of period, the Department has received funding for research from various national agencies like DBT, DST, ICMR, CSIR and UGC for about 1.30 crores.

Patent

- ❖ Within a short span of 5 years the department has made tremendous contribution to academics and research. Eight national level seminar / conferences were conducted in the thrust areas of research by the faculty members.
- ❖ The Head of the Department Dr. R. Balagurunathan, has discovered a new anti TB, anti HIV antibiotic named “Transitmycin” in collaboration with TB Research Centre (ICMR), Chennai and Department of Biotechnology, IIT, Chennai, and applied for Indian patent and International patent through PCT.

Memorandum of Understanding (MoU)

- ❖ MoU was made between Periyar University, Department of Microbiology and IPCA Pharmaceuticals, Mumbai on Development of antibiotics from Actinomycetes.
- ❖ MoU between Periyar University, Microbiology Department and National Institute for Research in Tuberculosis (ICMR) on Anti TB compounds from Actinomycetes.
- ❖ MoU was made between Periyar University, Microbiology Department and Green Chem Herbal Extracts and Formulations Company, Bangalore on Bioactive herbal products against resistant pathogens

Research Publications

The faculty members have published about 179 research papers in the national and International journals.

The department has also dreamed to develop young researchers to enlighten their knowledge with a view to conduct research, addressing the ongoing problems in the field of Microbiology and to develop innovative technologies from Industries, and to create awareness about the utilization of microbial resources present in the world. The department also strives to become one of the prominent centres for excellence in Microbial Technology field in the country in the upcoming years.

Experts visited our department during 2009 to 2014

S. No	Name the Persons
1	Dr. Ilavazhagan Director, DRDO, New Delhi
2	Dr. Sasibalasingh Director, HRD, DRDO, New Delhi
3	Dr. P. Rajendran Professor, Department of Microbiology, Sri Ramachandra Medical College & Research Institute, Chennai
4	Dr. Vanaja Kumar , Scientist – F & Head Department of Bacteriology, Tuberculosis Research Centre [ICMR], Chennai
5	Dr. P. Lakshmanaperumalsamy Registrar, Karpagam University, Coimbatore
6	Dr. R.C. Dubey Department of Botany and Microbiology, Gurukul Kangri University, Haridwar, Uttarakhand
7	Dr. K. Kathiresan , Centre of Advanced Study in Marine Biology, Faculty of Marine Sciences, Annamalai University, Parangipettai
8	Dr. P. Gunasekaran Prof. & Head in Genetics, Madurai Kamaraj University, Madurai.
9	Dr. P.T. Kalaichelvan , Professor, Centre of Advanced study in Botany, University of Madras, Chennai
10	Dr. N. Thajuddin , Associate Professor, Department of Microbiology, Bharadhidasan University, Trichirappalli
11	Dr. K. Nataraja Seenivasan , Head, Department of Microbiology, Bharadhidasan University, Trichirappalli
12	Sri. P.M. Pantulu , Scientist F., Head marks Division, BIS Regional Office, Chennai
13	Dr. P. Devanandhan , MBBS, DO, Ph.D., Vasan Eye Hospital, Salem
14	Dr V. Elangovan , Dean, Govt Mohan Kumaramangalam Medical College Salem
15	Dr. D.V.R Sai Gopal Prof & Head, Department of virology, Sri Venkateshwara University, Tirupati
16	Prof. Dr. K. S. Sastry , Sri Venkateshwara University, Tirupati
17	Dr. B. Sekar , Director, Pasteur Institute of India, Coonoor
18	Dr. S. Manian , Dean, Bharathiar University, Coimbatore
19	Dr. Soumya Swaminathan , Director, Scientist G, NIRT (ICMR), Chennai.
20	Dr. Babu Rajendran , Associate Professor, Department of Environmental Biotechnology, Bharadhidasan University, Trichirappalli
21	Dr. K. Swaminathan , Professor and Head, Department of Microbial Biotechnology, Bharathiar University, Coimbatore
22	Dr. K. Kadirvelu , Joint Director, DRDO, Bharathiar University campus, Bharathiar University,

	Coimbatore.
23	Dr. K. Lily Therese , Professor & HOD of Microbiology, Sankara Nethralaya, Vison Research Foundation, Chennai
24	Dr. K. Kumar , Prof and Head, Department of Microbiology, Tamil Nadu Agricultural University, Coimbatore.
25	Dr. Dr. Thilagavathy Daniel , Professor, Department of Biology, Gandhigram Rural Institute, Gandhigram
26	Dr. L. Kannan , Professor in Marine Biology, Former Vice-Chancellor, Thiruvalluvar University
27	Dr. M. Krishnan , Professor & Head, Department of Eco-Biotechnology, Bharathidasan University, Trichy
28	Dr. N. Kannan , Principal, KSR College of Arts & Science, Tiruchengode
29	Dr. A. Michael , Associate Professor & Head, Department of Microbiology, PSG College, Coimbatore
30	Dr. S. Jayaraman , Professor & Head, Department of Microbiology, Mahatma Gandhi Government Dental College, Pondicherry
31	Dr. T. Tholkappain , Professor, Department of Microbiology, Agriculture College, Annamalai University, Annamalai nagar
32	Dr. Subha Gopal , Associate Professor & Chairperson, Dept. of studies in Microbiology, University of Mysore, Mysore.
33	Dr. P. Sathiyamoorthi , Directorate of Agribusiness Development, TNAU, Coimbatore.
34	Dr. T. Muthukumar , Assistant Professor, Department of Botany, Bharathiar University, Coimbatore
35	Dr. G. Gurusubramanian , Associate Professor, Dept. of Zoology Mizoram University, Mizoram
36	Dr. R. Selvakumaran , Principal, Muthayammal college of arts and science, Rasipuram
37	Dr. S. Balakumar , Director (i/c), National Centre for Nanoscience and Nanotechnology, University of Madras, Guindy Campus, Chennai
38	Mr. K. Sundaramoorthi Consultant-Alco-Eco Mission, Coimbatore.
39	Dr. Krupakar Parthasarathy , Research scientist, national University of Singapore, Singapore.
40	Dr. P. Sathiyamoorthy , Director, Moon Foods, Vinzperri, Coimbatore.
41	Dr. Selvaraj Kandasamy , Associate Professor, College of Ocean & Earth Sciences, Xiamen University, China.
42	Prof. Dr. N. Mohan , Dean, Govt. Medical College & Hospital, Salem.
43	Dr. Ln. D.J. Rajendran , Founder & chairman, Vijay Sree Builders, Salem.
44	Mr. K. Retna Rajasingam , Program Coordinator, Spirulina Research Centre, Chennai.
45	Dr. R. Murugan , Research Scientist (fmr.), Medox Biotech Pvt. Ltd., Chennai.
46	Dr. D. Ramesh Kumar , CEO, Salem Microbes Pvt. Ltd., Salem.