

Anna College of Arts & Science
Quality Education for Today & Tomorrow
Kovilacheri, Kumbakonam, 612 503. Ph: 0435 2453007
Accredited by NAAC with 'B' Grade & Recognized by UGC under Section 2(f) & 12(B)
Affiliated to Bharathidasan University, Truchirappalli. E-Mail: acasadm@gmail.com

PG DEPARTMENT OF MICROBIOLOGY

Attainment of Programme outcome,
Programme Specific outcome with
Course outcome


HEAD,
HOD

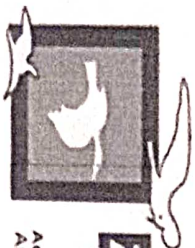
Department of Biotechnology,
Anna College of Arts and Science,
Kovilacheri, Kumbakonam - 612 503


IQAC

Coordinator
IQAC Co-ordinator,
Anna College of Arts & Science
Kovilacheri, Kumbakonam-612 503


PRINCIPAL

Principal
Anna College of Arts & Science
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Mapping of Programme outcome, Programme Specific outcome with Course outcome

PG Programme outcome:

- PO1: Get ability to apply the process of science by formulating hypotheses and design experiments based on the scientific method.
- PO2: Analyze and interpret results from a variety of microbiological methods.
- PO3: Use quantitative reasoning by using mathematical calculations and graphing skills to solve problems in microbiology.
- PO4: Communicate and collaborate with other disciplines by effectively communicating the fundamental concepts of microbiology in written and oral format.
- PO5: Identify credible scientific sources to interpret and evaluate the evidences.
- PO6: Understand the relationship between science and society by recognizing and discussing logical, scientific and ethical issues in microbiology.
- PO7: Apply the Microbiology discipline through involvement in research or internship activities
- PO8: Evaluate examples of the vital role of microorganisms in biotechnology, fermentation, medicine, and other industries important to human wellbeing.
- PO9: Know how viruses are classified, understand the architecture of viruses and know the methods used in studying viruses.



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PG Programme Specific outcome:

- PSO1:** Apply the knowledge of biological, microbial and biochemical fundamentals to find the solution for complex molecular functions and physiology.
- PSO2:** Developing skilled persons in the sector of Disease diagnosis, treatment and prevention.
- PSO3:** Pest control using microbes and improving soil quality and agricultural output through sustainable microbiological applications.
- PSO4:** To train the students in both theory and practical to accommodate them in both higher education and industries.
- PSO5:** To augment problem-solving skills of students through industry oriented training programmes at various levels.
- PSO6:** To enrich the Graduates with solid fundamentals of microbiology and advanced technologies.
- PSO7:** To enable them to employ the acquired theoretical knowledge wherever necessary.
- PSO8:** To occur hands on skills in Industry and/or Institutes, to better placement.

DEPARTMENT OF MICROBIOLOGY

VIROLOGY/ PLASMIDS

Course outcome	Programme outcome								Programme Specific outcome									
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7	PSO 8	
CO1: Understand the architecture of viruses.					✓													
CO2: Explain the historical background of virus, taxonomy, nomenclature, evaluation and classification.														✓				
CO3: Learning the life cycle, replication strategies and application of bacterial and plant viruses.							✓											
CO4: Understanding the strategies of anti-viral agents and viral vaccination.				✓										✓				
CO5: Analyzing the pre-cautions and issues of vaccination.																		
CO6: Explain the basics of cyano, myco and phycophages.							✓											
CO7: Understand the plant viral diseases and its control measures.				✓														
CO8: Analyze the Pre-cautions and issues of Vaccination													✓					
CO9: List out the application of cyano, myco and phycophages.												✓						

