

Programme: M.Sc. (Microbiology)

Course Code: MIO 125

Title of the Course: MARINE MICROBIAL INTERACTIONS [P]

Number of Credits: 1

Effective from Academic Year: 2018-19

Prerequisites	Students must have a background about the basic concepts of Marine Microbiology, and the techniques involved for sampling and processing of water, sediment, flora and fauna from the marine environment.	
Objective:	This Course emphasizes the techniques used to study the interactions between microorganisms and marine organisms, and also screening of enzymes for degradation of litter.	
Content:		(24)
1.	Determining <i>E. coli</i> in shellfish –MPN/ EC-MUG medium.	
2.	Isolation of luminescent bacteria from fish/shellfish.	
3.	Screening of enzymes involved in deterioration of wood/litter in marine environments.	
Pedagogy:	Experiments in the laboratory	
References/ Readings	As given under Theory Course MIO 113-T	
Learning Outcomes	Expertise in isolation and characterization of marine bacteria associated with fish/shellfish and enzyme studies.	