



St. Mary's College (Autonomous)
Reaccredited with 'A+' Grade by NAAC (Cycle IV)
Thoothukudi



Criterion: I – Curricular Aspects
1.1 – Curriculum Design and Development
Year: 2018-2023

Programme: M.Sc. Microbiology

SEMESTER – II			
Core VIII -Marine Microbiology			
Code :19PMIC24	Hrs/ Week: 4	Hrs/ Sem: 60	Credits:4

Course outcome:

CO No	Upon completion of this course, students will be able to	PSO addressed	CL
CO-1	describe the basic knowledge on marine ecosystem.	1	Re
CO -2	acquire the knowledge about diversity of marine ecosystem	1,2	Kn
CO-3	can analyses the aware of bio fouling and prevention.	2,3,4	Ev
CO-4	interpret the knowledge on marine microorganisms.	1,2	Ap
CO-5	determines the microbial indicator organisms.	1	Kn
CO-6	explain the concept of marine pollution	2,3,4	Co
CO-7	grasp the knowledge about bioactive compounds.	2,3,4	An
CO-8	know the wealth of the sea	2	Kn

SEMESTER –III**Core- XI - Food and Dairy Microbiology**

Code : 19PMIC33	Hrs/Week: 4	Hrs/Sem: 60	Credits: 4
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Course Outcome:

CO. No	Upon completion of this course, students will be able to	PSO addressed	CL
CO- 1	recall the techniques in food microbiology.	1	An
CO- 2	explain the about microorganisms important in food	2,5	Un
CO -3	knowledge about the microbial contamination of food.	1,2,4	Un
CO- 4	knows about the techniques in food preservation and fermented foods	3,4,6	Re
CO -5	knowledge about beneficial and harmful aspects of microbes in dairy products	2,4,5,6	Cr
CO -6	communicate the recent techniques on good manufacturing.	2,4,5,6	Un
CO-7	grasp the quality and safety assurance in food industry and the hazard analysis and critical control point	2,3	Re, Un
CO-8	grasp microbial examinations in food	4,5	Un,Ap

SEMESTER – II**Core VIII****Marine Microbiology****Course Code :21PMIC24****Hrs/ Week: 4****Hrs/ Sem: 60****Credits:4****Course Outcome:**

CO No	Upon completion of this course, students will be able to	PSO addressed	CL
CO-1	describe the basic knowledge on marine ecosystem.	1	Re
CO -2	acquire the knowledge about diversity of marine ecosystem	1,2	Kn
CO-3	can analyses the aware of bio fouling and prevention.	2,3,4	Ev
CO-4	interpret the knowledge on marine microorganisms.	1,2	Ap
CO-5	explain the concept of marine pollution	2,3,4	Co
CO-6	grasp the knowledge about bioactive compounds.	2,3,4	An

*Louis Rose***Principal****St. Mary's College (Autonomous)
Thoothukudi-628 001.**