



**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. Botany**

SEMESTER - IV			
Elective I		Agroforestry	
19PBOE41	Hrs/Week - 4	Hrs/Semester - 60	Credits: 4

**Course Outcome:**

CO.No.	Upon completion of this course, students will be able to	PSO addressed	CL
CO-1	Explain the concept and benefit of agroforestry	5	Un
CO-2	discuss and design an agroforestry system	5	Cr
CO-3	justify the role of agroforestry in cultivation new tree species	2	Ev
CO-4	describe the principles and methods of silviculture.	1	Re
CO-5	develop knowledge, skills, understanding and competence in areas of forest systems management	8	Cr
CO-6	justify –positive and negative tree-crop-soil interaction	3	Ev
CO-7	understand the biological, economic and environmental factors that shape the development of forest resource management enterprises.	4	Un
CO-8	identify wood based on physical, chemical characteristics and anatomical architecture.	4	Cr

SEMESTER - IV			
Core Elective	Entrepreneurship Botany		
Course Code: 21PBOE41	Hrs / Week: 4	Hrs /Semester: 60	Credits: 4

**Course Outcome:**

CO.No.	Upon completion of this course, students will be able to	PSO addressed	C L
CO-1	adapt the methods of preservation of vegetables and fruits and identify the industrial scope of these resources	6	Un
CO-2	determine the quality of oil and prepare aesthetic product to find out good marketing capacity	6	Ap
CO-3	understand contemporary opportunities in business situations of value-added products and develop skills needed to successfully convert them into entrepreneurial ventures	6	Un
CO-4	explore how the value-added products can enhance the profitability of local farmers	6	Un
CO-5	acquire knowledge on primary forest product, wood products and secondary wood products and infer wood industries are major sector in many economy	2,6	Un
CO-6	able to differentiate natural and synthetic wood able to dictate their pros and cons and develop ideas that will lead them to start their own business and enable them to be professionally competent	3, 6	Un, Ap

