

**MAR ATHANASIOUS COLLEGE (AUTONOMOUS),  
KOTHAMANGALAM  
CURRICULUM**

**POSTGRADUATE PROGRAMME OUTCOME**

PO No.	Upon completion of postgraduate programme, the students will be able to:
<b>PO-1</b>	Create, apply and disseminate knowledge leading to innovation
<b>PO-2</b>	Think critically, explore possibilities and exploit opportunities positively
<b>PO-3</b>	Work in teams, facilitating effective interaction in work places.
<b>PO-4</b>	Lead a sustainable life
<b>PO-5</b>	Embrace lifelong learning

**M. Sc. MICROBIOLOGY PROGRAMME**

**PROGRAMME SPECIFIC OUTCOMES (PSO)**

PSO No.	Upon completion of M.Sc. Microbiology programme, the students will be able to:	PO No.
<b>PSO-1</b>	Outline the concepts of molecular biology, microbiology, immunology and their application	
<b>PSO-2</b>	Characterize Microorganisms based on Taxonomical features, phenotypical and genotypical characteristics	
<b>PSO-3</b>	Analyze the structure-function relationships of biomolecules, interaction between macro molecules and cellular processes at the molecular level.	
<b>PSO-4</b>	Apply tools and techniques used in biological analysis	
<b>PSO-5</b>	Utilize interdisciplinary knowledge in basic Biotechnology and Biochemistry.	
<b>PSO-6</b>	Relate the metabolic pathways, clinical aspects, bioenergetics and enzyme catalysis.	
<b>PSO-7</b>	Conduct experiments, analyze and interpret problems in the field of medical, industrial, agricultural and environmental microbiology	
<b>PSO-8</b>	Recognize environmental policies, problems and ethical issues related to Bioscience research.	
<b>PSO-9</b>	Develop research for promoting scientific innovations, entrepreneurship and life long learning.	