

**MAR ATHANASIUS COLLEGE (AUTONOMOUS),
KOTHAMANGALAM**

CURRICULUM

POSTGRADUATE PROGRAMME OUTCOME

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

MSc. CHEMISTRY PROGRAMME

PROGRAMME SPECIFIC OUTCOMES (PSO)

PSO No.	Upon completion of MSc. CHEMISTRY programme, the students will be able to:	PO No.
PSO-1	Acquire the depth and breadth of knowledge in the core areas of Inorganic, Organic, Physical and Theoretical Chemistry	1,2,5
PSO-2	Demonstrate advanced knowledge in the relevant areas of chemistry research such as Computational Chemistry, Spectroscopy, Organic Synthesis, Polymer Chemistry and Nano Chemistry.	1,2,3,5
PSO-3	Develop critical thinking and analysis skills to solve complex chemical problems such as data analysis, structure and modeling, synthetic logic, spectroscopy and team-based problem solving.	1,2,3,5
PSO-4	Perform accurate quantitative measurements using contemporary chemical instrumentation, interpret experimental results, do calculations based on theoretical understanding and draw valid conclusions.	1,2,3,4,5
PSO-5	Achieve laboratory competence in relating chemical structure to spectroscopic phenomena	1,2,3,5
PSO-7	Acquire a broader understanding of research strategies, scientific thinking and data analysis	1,2,3,4,5
PSO-8	Conduct independent research under limited supervision and communicate the concepts of chemistry, through multimedia and research articles.	1,2,3,5