



Mercy College
Palakkad, Kerala, India 678006
Govt Aided Arts & Science College
Affiliated to the University of Calicut
Accredited by NAAC with A Grade IV Cycle

RESEARCH & POSTGRADUATE DEPARTMENT OF PHYSICS

A JOURNEY INTO RESEARCH - A SCIENTIST SPEAKS

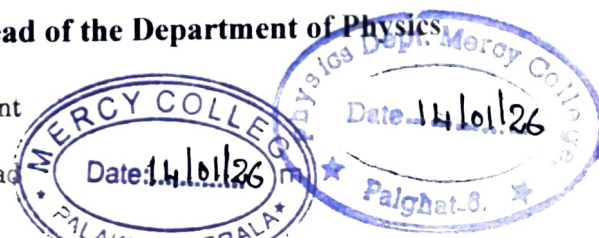
Objective: The objective of the lecture was to introduce students to the scientific career journey of a researcher and to provide fundamental insights into laser-assisted synthesis of nanomaterials, with special emphasis on energy applications and Surface-Enhanced Raman Scattering (SERS).



Report: The Research and Postgraduate Department of Physics, Mercy College, Palakkad organized an invited lecture by Dr. Sadasivan Shaji, Professor and Researcher at UANL, Mexico on 14.01.2026. The session included an overview of his scientific career, video demonstrations on laser-assisted disintegration and nanoparticle formation, and explanations of fundamental nanomaterial concepts, concluding with a discussion on SERS.

Outcome: The programme enhanced students' understanding of nanomaterial synthesis techniques and real-world research practices. It motivated participants to explore careers in scientific research and provided exposure to advanced applications of laser-based nanotechnology and SERS.

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