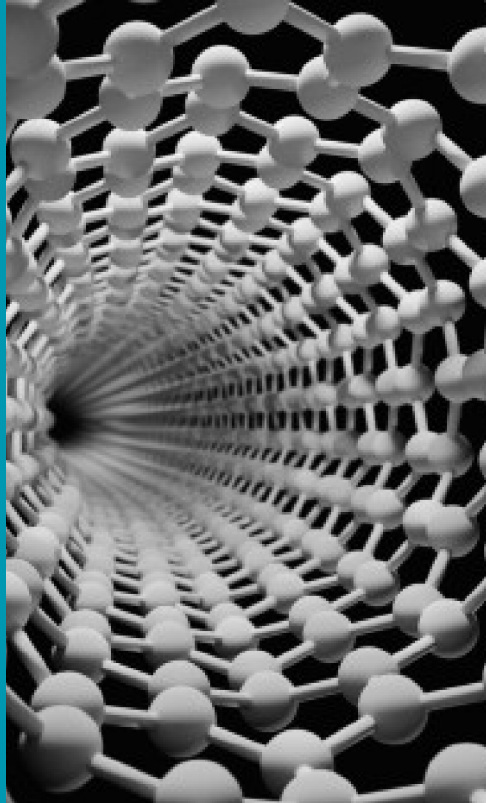


DEPARTMENT OF PHYSICS &
CHEMISTRY IN ASSOCIATION
WITH IQAC
MARY MATHA ARTS & SCIENCE
COLLEGE MANANTHAVADY

INTERNSHIP PROGRAM IN MATERIAL SCIENCE- 2023

Synthesis & Characterization
of nano particles (hybrid
mode on holy days)



BSc Students Apply <https://forms.gle/d6Y5Jji4jrMWsWnV8>
MSC Students Apply <https://forms.gle/6sbTwpaa5sYesA8778>

TOPICS

Nanoscience & Nanotechnology

Why "Nano"

synthesis nano materials

Top-Down & Bottom-Up Methods

Ball millings

Sol gel method

Thin film growth - Physical Vapour

Deposition (PVD)

Thin film growth - Chemical Vapour

Deposition (CVD)

Hydrothermal method

Coprecipitation method

Auto combustion method

Characterization Techniques

X-ray Spectroscopy

SEM

TEM

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