

## DEPARTMENT OF PHYSICS

Sl. No.	Name of the Faculty	Research Interests
1.	Dr. D. SASTIKUMAR	Fiber optic Sensors and Laser Materials Processing
2.	Dr. A. CHANDRABOSE	Synthesis and characterization of oxide nanoparticles, Supercapacitors, Photoluminescence and Photocatalysts Micro plasma and surface science, Nanomaterials, Metal oxides, Photocatalysts, Luminescent materials, Supercapacitor, LEDs, Bio imaging, Impedance spectroscopy, Electron microscopy
3.	Dr. N. BASKARAN	Theoretical Condensed Matter Physics
4.	Dr. N. GOPALAKRISHNAN	Thin films growth (Sputtering/PLD/MBE/HVPE)/ Synthesis of oxide nanostructures/ Optoelectronics/ Spintronics/ Gas sensing/ Water Purification
5.	Dr. J. HEMALATHA	Multiferroic materials, Polymer nanocomposites, multifunctional polymers, conducting polymers, ferrites. Also, she is working on nanofluids, ferrofluids, ultrasonic, heat transfer and Rheological investigations.
6.	Dr. M. ASHOK	Biomaterial, Material Science
7.	Dr. R. SANKARANARAYANAN	Chaotic quantum systems, Quantum information
8.	Dr. M. C. SANTHOSH KUMAR	Optoelectronic materials, thin film solar cells and nanomaterials
9.	Dr. B. KARTHIKEYAN	Study the optical (steady state and ultrafast) and nonlinear optical properties of materials. He is an expert in Raman spectroscopy field also. He also has an interest to study the nanomaterials for bio sensing applications through optical characterization and fabricating FRET based sensors
10.	Dr. N.V. GIRIDHARAN	Ferroelectric and multiferroics

11.	Dr. R. JUSTIN JOSEYPHUS	Synthesis and characterization of magnetic nanoparticles for engineering and biomedical applications.
12.	Dr. R. NAGA LAKSHMI	Nonlinear optics Single crystal growth of nonlinear optical materials – Solution and Melt Vibrational spectroscopy Synthesis of organic nano fibers •Strongly correlated electron systems Rare earth intermetallic systems - Flux technique and Arc Melting Magnetism and superconductivity at low temperatures Rare earth & Non Rare earth based Magnetocaloric Materials
13.	Dr. S. MANIVANNAN	Carbon nanotubes (purification, functionalization, dispersion), fabrication of transparent conducting films for display, optoelectronics and energy storage/conversion, graphene, organic and semi-organic nonlinear optical (NLO) materials, display materials, gas sensors and polymer nanocomposites.
14.	Dr. ANNAPUREDDY VENKATESHWARLU	Development and processing of the flexible energy harvesters (like magnetoelectric energy harvesters, piezoelectric nanogenerators and triboelectric energy harvesters) for standalone electronic devices, Smart Actuators, Photostrictive Materials and Multifunctional Nano-structured materials for smart electronics