

Centre of Nanotechnology

Indian Institute of Technology Roorkee

PhD Interview for Autumn 2018-19: Faculty members and their specialization

Sl. No.	Faculty Members	Research Area	PhD Position Available
1	Prof. Kaushik Pal	Nano structured materials for gas sensor application; synthesis and development of nanomaterials for energy storage and harvesting application	1(MHRD [#] / Own fellowship)
2	Prof. Arup Samanta	Silicon nanostructure based low-cost solar cells	1 (MHRD/ Own fellowship)*
3	Prof. P. Gopinath	Biomedical Nanotechnology	01 MHRD and 01 own fellowship
4	Prof. Rajib Chowdhury	Computational Materials, Deep Learning, Nano-Mechanics	01 (MHRD/Own fellowship)
5	Prof. Sudipta Sarkar	Environmental Nanotechnology: Development of hybrid nanoadsorbents or nanocatalysts for solving water and wastewater related problems; Nanoparticle toxicity; Use of nanotechnology for delivering nutrients in agricultural sectors	1 MHRD/ Own fellowship
6	Prof. PM Krishna Mohan	Nanobiotechnology, chemistry and biology of nanomaterials, Bionanomaterials for wound healing, antimicrobial agents and heavy metal remediation	1-2 MHRD/ Own fellowship
7	Prof. R. K. Dutta	Novel nanoparticles for eliminating emergent water contaminants	1 (either INSPIRE fellow or CSIR/UGC fellowship holder)
8	Prof. Indranil Lahiri	Nanomaterials for energy harvesting and/or electronic applications	1 (MHRD/Own fellowship)
9	Prof. Debrupa Lahiri	Scaffolds for soft tissue regeneration	1 (either; but own fellowship preferred)
10	Prof. V.C. Srivastava	Catalysis, Nanoparticle Synthesis, Wastewater Treatment, Waste upgradation, Separation Process, Chemical Engineering	1 (MHRD/ Own fellowship)
11	Prof. M. Sankar	Functionalized Porphyrin-CNT/Fullerene Conjugates for Material Applications	01 MHRD and 01 Own fellowship
12	Prof. Soumitra Satapathi	Nanoelectronics, Organic and Perovskite Solar Cells, Sensors, Nanomaterials Synthesis and Characterization, Water Remediation, Drug Delivery and Imaging	1 MHRD student and 1 CSIR student
13	Prof. Tapas Mandal	Solid State and Materials Chemistry, Photocatalytic, energy storage, magnetic and catalytic materials; Nanomaterials; Hydrogen energy	01 (MHRD or CSIR-UGC JRF)
14	Prof. Gargi Singh	Novel polymer based sensors for concentration, detection, and removal of antimicrobials	1 (Own fellowship)

Note: [#] MHRD: The fellowship is given by the Institute

* JRF-Junior research fellowship

Own fellowship means CSIR-UGC JRF, Inspire fellow, etc