Minati Tiadi ,Project Scientist-B

Contact Information

CENTRE FOR AUTOMOTIVE ENERGY MATERIALS, ARCI
IITM RESEARCH PARK, CHENNAI-600113
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Summary

•Extensive experience in synthesis and characterization of solid state materials.
• Strong background in thermoelectrc materials, surface and interface science, low dimensional system and nanomaterials, quantum mechanics.
• Familiar with material characterization instruments such as SEM, TEM, AFM, XRD, Spectroscopy, DLS, DSC etc.
• Strongly self-motivated, responsible, open-minded and collaborative, easy to get long with all kinds of people.
• Two years of research experience as a scientist.

Education

CONTINUING	Ph.D. in Physics, **Indian Institute of Technology**, Madras GPA: 8
MAY 2016	Master of Science (M.Sc.) in Physics, **Visvesvaraya National Institute Of Technology**, Nagpur GPA: 8.3
JUNE 2014	Bachelor of Science(B.Sc) in Physics, **Fakir Mohan Junior College**, Balasore

Research Experience

JAN 2018-PRESENT	SCIENTIST B AT ARCI (INTERNATIONAL ADVANCED RESEARCH CENTRE FOR POWDER METALLURGY AND NEW MATERIALS, DST, GOVT. OF INDIA currently I am involved in experimental and theoretical aspects of thermoelectric materials

Technical Skills

STRUCTURAL ANALYSIS	Scanning Electron Microscopy (SEM), Transmission Electron Microscopy (TEM), Atomic Force Microscopy (AFM), X-ray Diffraction (XRD), Raman Spectroscopy
THERMAL ANALYSIS	Thermal Gravimetric Analysis (TGA), Differential Scanning Calorimeter (DSC)

Programming Skills

Simulation Programming:VASP,Quantum espresso,Matlab,LAMMPS
Other Software : Adobe Photoshop, MS Office, MS Excel

Soft Skills

Languages   English - Professional Fluency
Hindi - Basic Fluency
Oriya - Mother Tongue

Soft Skills   Leadership
Analytical Thinking
Teamwork and Collaboration