

Dr. Paul, Rima



PhD Institution and Year : National Institute of Technology Durgapur, 2012

Date of Joining IISc : 17.08.2015

Area(s) of Research : Experimental Nanoscience, Experimental Condensed Matter Physics

Name of the Post-doctoral Fellowship : UGC-Dr. D.S. Kothari Postdoctoral Fellowship

Laboratory where currently working : Prof. K. Chattopadhyay's Laboratory

Department : Materials Engineering

Email address and Telephone number : rimapaul@platinum.materials.iisc.ernet.in

Topic(s) of Research : Synthesis of nanostructured materials for biomedical and energy applications

Research Publications in IISc : See below

Other accomplishments and recognition while in IISc : Nil

What information will be useful to post-docs if it is available on the post-doc page on the IISc Website ? List the items.

- a) Job Opportunities,
- b) Conference/Symposium/Seminar,
- c) Links to different instruments available within the Institute

A tweet about your post-doctoral experience in IISc (limit it to 140 characters):

I feel privileged to have been given the opportunity to carry out my postdoctoral research work in IISc. Laboratory facilities and work culture over here are really appreciable. People are carrying out research in almost all the frontier areas of science and technology in IISc. I believe one will definitely gain knowledge and get ample exposure to the state-of-the-art- technology, working in this Institute.

List of publications in IISc (2015-2017)

International journal:

1. Title:

[Effect of morphology on the magnetic properties of Gd₂O₃ nanotubes](#)

Journal: Physica E 80 (2016) 149-154

Authors: Rima Paul, Pintu Sen, I. Das

Publisher: Elsevier, **Year of publication:** 2016, **ISSN:** 1386-9477

2. Title:

Solvothermal synthesis of a polyaniline nanocomposite—a prospective biosensor electrode material

Journal: eXPRESS Polymer Letters 10(9) (2016) 780–787

Authors: R. K. Agrawalla, V. Meriga, Rima Paul, A. K. Chakraborty, A. K. Mitra

Publisher: BME-PT Hungary, **Year of publication:** 2016, **ISSN:** 1788-618X

Book Chapter:

1. **Title:** Nanocomposites of Carbon Nanotubes and Semiconductor Nanocrystals as Advanced Functional Material with Novel Optoelectronic Properties

Authors: Rima Paul and A.K. Mitra

Book: Functionalized Nanomaterials, Chapter 8, Pages: 145-163.

Editor: Muhammad Akhyar Farrukh, ISBN (Print): 979-953-51-2855-7

Publisher: INTECH, Year of publication: 2016, DOI: 10.5772/63186

Conference attended:

1. **Title:** Synthesis of Co-Sn intermetallic compound nanoparticles using Laser ablation technique

Authors: S. Kashyap, Rima Paul, K. Chattopadhyay

Conference Name: NMD-ATM 2016, IIT Kanpur, U.P., India, 11-14 November, 2016

Proceedings: [Science of Metals and Materials](#)