

**ARNAB SANKAR BHATTACHARYYA**

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Central University of Jharkhand, Ranchi  
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**Academic Qualifications:**

Ph.D. (MSE) National Metallurgical Laboratory (CSIR)

**Research Interest:** Surface and Thin films

**Experience:**

Research (Post PhD): Aug 2009 till date

Teaching: July 2011 till date

**Courses taught:**

Materials Science, Mathematics, Nanomaterials, Spectroscopy, Microscopy, Electronics, Electricity, Nanotribology and Nanomechanics, Surface and thin films, Solid State Technology, Advanced Functional Materials & Devices, Theoretical Physics, Vacuum Science Techniques, Non-Destructive Testing, Fuel Cell Technology.

**Reviewer / Editorial board**

Editor, Indian Journal of Materials Science, Hindwai Publications

Reviewer, Science Direct Journals, Elsevier Publications

**Projects**

Plasma surface modifications of Bismaleimide coatings on aluminium sheets, DST Fast Track

**Publications (Major):**

1. **Journal of Raman Spectroscopy**, A. S. Bhattacharyya, S. K. Mishra, 41 (2010) 1234–1239.
2. **Journal of Vacuum Science and Technology A**, A. S. Bhattacharyya, S.K.Mishra, S. Mukherjee, 28 (2010) 505-509.
3. **Journal of Micromechanics and Microengineering**, A.S.Bhattacharyya, S.K.Mishra, 21(2011) 015011.
4. **Silicon-based Nanomaterials**, S.K. Mishra, A.S. Bhattacharyya, Springer Series in Materials Science, Vol. 187, Book Chapter. 10, 2013.