

Dr. Anis Biswas

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Career summary:

- Completed **Ph.D** from Saha Institute of Nuclear Physics , Kolkata, India, (2009)
- Was in the position of “**Carl Trygger Post-doctoral Fellow**” in the Department of Material Science and Engineering, Royal Institute of Technology (KTH), Stockholm, Sweden, (April,2009 – April, 2011)
- Worked as “**Visiting Post-doctoral Researcher**” in Experimental Condensed Matter Physics Division, Saha institute of Nuclear Physics, India, (May, 2011- Sept, 2011)
- Presently working as “**Post-doctoral Research Scholar**” in FML, Department of Physics, University of South Florida, Tampa, USA from October, 2011

Fields of Research:

- Rare-earth based Manganites
- Magneto-caloric effect
- Room-temperature ferromagnetism in metallic oxides
- Metallic thin films
- Bulk metallic glasses

Research key words:

Charge ordering, Nanocrystalline manganites, Collosal magnetoresistance, nanoparticles, Low Field Magnetoresistance, Magnetocaloric effect, Magnetic refrigerant capacity, Room temperature ferromagnetism, Ultra violet photo-response, metallic glass thin film, soft magnetic properties,

Five important publications:

1. **Anis Biswas**, I. Das, Phys. Rev. B, Vol- 74, 172405 (2006)
2. **Anis Biswas**, I. Das, Appl. Phys. Lett., Vol- 91, 013107 (2007)
3. **Anis Biswas**, T. Samanta, S. Banerjee, I. Das, Appl.Phys. Lett., Vol -92, 012502 (2008)
4. **Anis Biswas**, T. Samanta, S. Banerjee, I. Das, Appl.Phys. Lett., Vol -92, 212502 (2008)
5. **Anis Biswas**, T. Samanta, S. Banerjee, I. Das, Appl.Phys. Lett., Vol -94, 233109 (2009)

Others:

- Currently H-scitation index and G- scitation index of publication is “8” and “11” respectively
- Acted as referee for different journals:
 1. Appl. Phys. Lett., 2. J. Appl. Phys., 3. J. Phys.: Cond. Mat., 4. J. Phys: D, 5. Nano Technology, 6. J. Magn. Magn. Mat., 7. Physica B, 8. Materials Letters, 9. Sol. Stat. Comn., 10. IEE trans. Magn., 11. J. Exp. Nano sc.