

Chandra Shekhar Pati Tripathi

Assistant Professor

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Research interests:

- Synthesis of metal/metal oxide nanostructured materials, 2D materials and their heterostructures.
- Metal-Free Perovskites for Piezoelectric Applications
- Optical (colorimetric and fluorometric), SERS based, and electrochemical sensing of toxic metal ions, organic pollutants and biomolecules.

Qualifications:

Ph.D.(Physics)	05/2012	Katholieke Universiteit Leuven, Leuven, Belgium Thesis: Investigation of liquid crystalline compounds and their mixtures with mesogens, non mesogens and nanoparticles by high-resolution adiabatic scanning calorimetry
PrePhD (Physics)	12/2008	Katholieke Universiteit Leuven, Leuven, Belgium Thesis: Thermal characterization of composite materials using lock-in infrared thermography
M.Sc. (Physics)	06/2007	University of Allahabad, Allahabad, India
B.Sc. (Physics and Maths)	06/2005	Ewing Christian College Allahabad, India

Academic/Research experiences:

Since 11/18	Assistant Professor	Banaras Hindu University, Varanasi, India
05/15 - 07/15	Scientific Researcher	Universite Claude Bernard Lyon1, Lyon, France
08/14 - 11/18	Assistant Professor	University of Rajasthan, Jaipur, India
11/12 - 07/14	Scientific Researcher	Universite Claude Bernard Lyon1, Lyon, France
05/12 - 09/12	Post-doctoral researcher	Katholieke Universiteit Leuven, Leuven, Belgium
02/09 - 09/11	Teaching Assistant	Katholieke Universiteit Leuven, Leuven, Belgium

Publications, presentations, projects, and students:

Patents/International journal articles	02/65	Book chapter/Abstracts	04/01
Invited/Oral/ Poster presentations	15/15/10	Research projects	04
PG dissertations/Internship	21/05	PhD (Awarded/Ongoing)	02/03