

# Shantanu Kumar Behera

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## Education & Training

- **University of Colorado at Boulder** Boulder, CO, USA  
*Research Associate* 2009 – 2011
- **Lehigh University** Bethlehem, PA, USA  
*Ph D (Materials Science & Engg.)* 2009
- **National Institute of Technology Rourkela** Rourkela, INDIA  
*B Engg. (Ceramic Engg.)* 1998

## Experience

- **National Institute of Technology** Rourkela, INDIA  
*Associate Professor* 2018 – Present
- **National Institute of Technology** Rourkela, INDIA  
*Assistant Professor* 2011 – Present
- **TRL Krosaki Refractories Ltd.** Belpahar, INDIA  
*General Manager* 2011
- **University of Colorado at Boulder** Boulder, CO, USA  
*Research Associate* 2009 – 2011
- **National Institute of Technology** Rourkela, INDIA  
*Lecturer* 2000 – 2004

## Scholarships and Service

- Connect Fellowship, Alexander von Humboldt Foundation (2015).
- MRSEC Fellowship for Doctoral Studies, National Scholarship Govt. of India, Outstanding Reviewer.
- Reviewer for international peer-reviewed journals: *Scientific Reports (NPG)*, *ACS Applied Materials and Interfaces*, *Journal of the American Chemical Society (ACS)*, *Nanoscale*, *Journal of Materials Chemistry*, *Chemical Communications*, *New Journal of Chemistry*, *RSC Advances*, *Crystal Engineering Communications (RSC)*, *Electrochimica Acta*, *Electrochemistry Communications*, *Acta Materialia*, *Microporous and Mesoporous Materials*, *Materials Letters*, *Journal of Alloys and Compounds*, *Ceramics International*, *Materials Science and Engineering A*, *Materials Science and Engineering B (Elsevier)*, *Journal of Materials Science*, *Journal of Electroceramics*, *Journal of Nanoparticles Research*, *Journal of Applied Electrochemistry*, *Journal of Material Cycles and Waste Management (Springer)*

## Research Interests

- Advanced Anode Materials and Architecture for Lithium Ion Batteries, Nanostructured Hybrids from Polymer-Derived-Ceramics, Synthesis-Microstructure-Property Relations in Advanced Materials.

## Courses Taught

- Thermodynamics of Materials, Kinetics of High Temperature Processes, Sintering and Microstructure, Physical Ceramics (Structure & Properties), Solid State Chemistry.