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Academic profile

- M.Sc. Utkal University, Odisha, India. (2001)
- Ph.D. Indian Institute of Technology, Kharagpur, W.B., India (2007)

Research & Professional Experience :

- Assistant Professor, NIT Rourkela, Odisha, India. (July 2008 – till date)
- Lecturer, BIT Mesra, Ranchi, Jharkhand, India. (Jan 2008– June 2008)

Honours and Affiliation:

- Odisha Young Scientist Award from State Science Academy, 2014
- Young Scientist Award, Orissa Chemical Society, 2013.
- CSIR (NET) JRF July 2001
- CSIR (NET) JRF Dec 2001
- GATE 2002

Research Interest:

- Colloids and interface science, Materials chemistry
- Synthesis and surface engineering of nanomaterials
- Nanomaterials for drug delivery
- Magnetic nanoparticles for theranostic applications
- Magnetic nanoparticles for catalytic applications

Present Research Activity

- **Ph.D. Students:**

Awarded : 2 Supervising: 3

- Total number of publications: 33
 - As corresponding author from NIT Rourkela: 20
 - **Total citations 1659: Google Scholar *h* index: 21**
- Received sponsored projects from various funding agencies under government of India including DBT, DST, BRNS, DST Nanomission of total budget 1.4 crore.
- Reviewer of *Chem Comm, Langmuir, Analytical Chemistry, Journal of Materials Chemistry, Carbon, Dalton Trans, Biomaterials, Nanoscale.*

List of Sponsored Projects

Sl.No	Title of the Project	Sponsoring Agency	Year	Value (lakhs)	Project Status
1.	Development of Functionalized Ferrite Nanoparticles for Targeted Tumor Therapy	DBT	2009-12	42	Completed
2.	Synthesis of Multifunctional Magnetic Mesoporous Hollow Spheres: Application in Cancer Therapy	BRNS	2013-16	21	Completed
3.	Fabrication and Application of Functionalized Magnetic Carbon Quantum Dots (MCQD) in Tumor Therapy: A New Light on Nanotheranostics	DST-Nanomission	2014-17	41	Ongoing
4.	Surface functionalized magnetic oxide/luminescent carbon dot hybrid hollow spheres for multimodal imaging and anti-cancer drug delivery	DST-SERB	2015-18	38	Ongoing

Research Collaborators

- 1 Prof. S. K. Bhutia, Department of Life Science, NIT Rourkela.
- 2 Dr. Megharay Majhi, Ispat General Hospital, Rourkela.
- 3 Prof. S. K. Ghosh, H.O. D. Department of Biotechnology, IIT Kharagpur.