

PROF. RABINDRA NATH MUKHERJEE

Department of Chemistry, Indian Institute of Technology (IIT) Kanpur

Date of Birth: April 19, 1953

BSc (Hons. In Chemistry) and MSc (Specialization: Inorganic Chemistry), The University of Burdwan

PhD: The University of Calcutta (1983); worked at Department of Inorganic Chemistry, Indian Association for the Cultivation of Science (IACS), Kolkata (Supervisor: Prof. Animesh Chakravorty)

Post-doc: IACS (1983-1985; in the group of Prof. Animesh Chakravorty) and Department of Chemistry, Harvard University (1985-1987; in the group of Prof. Richard H. Holm)



*Assistant/Associate Professor/Professor, Department of Chemistry, IIT Kanpur (1987–1993/1993–1995/1995–); Head of the Department (2010–2012); Poonam and Prabhu Goel Chair Professor (2011–2012)

*Director, IISER Kolkata (01/02/2012–24/07/2017; on deputation from IIT Kanpur)
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***Research Interest:**

Systematic development of synthetic coordination chemistry of transition metal ions with designed organic ligands to address diversified research problems. Emphasis is directed to bioinorganic modeling, metal-coordinated ligand radicals, coordination polymers, multi-metal clusters etc.

Awards/Honors:

*Fellow, Indian Academy of Sciences, Bangalore (1999)

*Fellow, Indian National Science Academy, New Delhi (2008)

*J. C. Bose National Fellow, Department of Science & Technology, Government of India (2008–2018)

*Fellow, Royal Society of Chemistry, UK (2003)

*RSC Journals Grants for International Authors, UK (2001) – Visited UK and delivered lectures at many universities

- *Bronze/Silver Medal, Chemical Research Society of India (CRSI), Bangalore (2001/2011)
- *Vice President, Chemical Research Society of India , Bangalore (2008–2013)
- *A. V. Rama Rao Foundation Prize Lecture in Chemistry, Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore (2005)
- *Priyadarajan Ray Memorial Award, Indian Chemical Society, Kolkata (2010)
- *Member, Advisory Board, Dalton Transactions (Royal Society of Chemistry) (2008–)
- *Member, Editorial Board of *Inorganica Chimica Acta* (Elsevier) (2011–2013)
- *Member, Editorial Advisory Board of *Inorganic Chemistry* (ACS) (2017–2020)
- *Invited to act as a Co-Guest Editor on a Forum Issue in *Inorganic Chemistry* (American Chemical Society) on ‘Applications of Metal Complexes with Ligand-Centered Radicals’ (2018)
- *Invited to contribute a Viewpoint Article in *Inorganic Chemistry* (2019)
- *Visiting Professor, Departament de Química, Universitat de Girona, Spain (2004)
- *Visiting Professor, Department of Chemistry, Stanford University, USA (2005 – 2006)

National/International Committee Work:

- *Member, National Scientific Committee, 33rd International Chemistry Olympiad, Mumbai, India (July 6–15, 2001)
- *Member, Sectional Committee in Chemistry, Indian Academy of Sciences, Bangalore (2004 – 2006; 2013 – 2015)
- *Member/Chairman, SwarnaJayanti Fellowship Committee (Chemical Sciences), DST (2010 and 2011/2015)
- *Member, Sectional Committee in Chemistry, Indian National Science Academy, New Delhi (2009-2011)
- *Member, Chemical Sciences Research Committee, Council of Scientific & Industrial Research, New Delhi (2009 – 2011)
- *Member, Inorganic & Physical Chemistry Research Committee, Council of Scientific & Industrial Research, New Delhi (2011 – 2014)
- *Member/Chairman, Programme Advisory Committee on Inorganic Chemistry, under Science & Engineering Research Board (SERB) (2012 – 2013 / 2013 – 2015)
- *Member, Management Committee, KVPY, IISc Bangalore (2012 –)
- *Member, Indian Chemical Society (2014 – 2016)
- *Member, Finance Committee, National Institute of Biomedical Genomics (2013–2017)

- *Member, DST-INSA INSPIRE Program, INSA (2011 –)
- *Planning Committee Member, International Conference on Coordination Chemistry (2004 –)
- *International Committee Member, Asian Coordination Chemistry Conference (2007 –)

Teaching:

*Has taught a variety of UG and PG core/elective courses at the Department of Chemistry, Indian Institute of Technology Kanpur and Department of Chemical Sciences, Indian Institute of Science Education and Research Kolkata.

Lectures:

*Delivered lectures at many national and international conferences.
Visited and delivered lectures in many institutes/chemistry departments in India and in many countries: USA, UK, Germany, France, Spain, Netherlands, Sweden ...

Sponsored Research Grants (National: CSIR, DST; International: Germany, France, Ukraine): 16

Research Guidance:

*PhD students supervised: 25; Working for PhD: 6 (IIT Kanpur) + 5 (IISER Kolkata)
Projects of UG students supervised: 78; Total number of publications: 140