

RABINDRA NATH MUKHERJEE

Emeritus Fellow, Professor, Department of Chemistry, Indian Institute of Technology (IIT) Kanpur (2018–2021)

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 (Late) Prof. Richard H. Holm)

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*Assistant/Associate Professor/Professor, Department of Chemistry, IIT Kanpur (1987–1993/1993–1995/1995–2018); Head of the Department (2010–2012); Poonam and Prabhu Goel Chair Professor (2011–2012); Higher Administrative Grade (HAG) Professor, Department of Chemistry, IIT Kanpur (2009–2018)

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

*Visiting Professor, Indian Institute of Technology–Indian School of Mines (Dhanbad), (2021–2023) (Offered)

***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 coordination clusters

Awards/Honors:

*Selected for Outstanding Peer Reviewer for *Dalton Transactions*, published by the Royal Society of Chemistry (2020)

*Invited to write a book on ‘Inorganic Chemistry: Principles and Properties’ Publisher: World Scientific (2021)

*Invited to write a book chapter on Copper Bio-Inorganic Chemistry, Publisher: World Scientific (2021)

*Chair, Organizing Committee, Faraday Discussions (Virtual) on "Natural and artificial metalloenzymes" in 2022, under the aegis of the Royal Society of Chemistry.

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

*Bronze/Silver Medal, Chemical Research Society of India (CRSI), Bangalore (2001/2011)

*A. V. Rama Rao Foundation Prize Lecture in Chemistry, Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore (2005) and Priyadarajan Ray Memorial Award, Indian Chemical Society, Kolkata (2010)

*Member, Editorial Board as an Associate Editor, Resonance (Indian Academy of Sciences) (2021–2023), Member, Advisory Board, Dalton Transactions (Royal Society of Chemistry) (2008–2020), Editorial Advisory Board of Inorganic Chemistry (ACS) (2017–2019), Former Editorial Board of Inorganica Chimica Acta (Elsevier) (2011–2018), Former Editorial Board of Indian Journal of Chemistry-Section A (NISCAIR) (2005–2007)

*Acted as a Co-Guest Editor (with Tim Storr, Simon Fraser University, Canada) for the Forum Issue in *Inorganic Chemistry* (American Chemical Society) on 'Applications of Metal Complexes with Ligand-Centered Radicals', *Inorg. Chem.* **2018**, 57, Issue 16 (9577–10480).

*Special Issue on 65th Birthday: Edited by Jeremy Smith, Rajeev Gupta, Andy S. Borovik; Link: <https://www.sciencedirect.com/journal/inorganica-chimica-acta/special-issue/10T12QH83CB>

*Visiting Professor, Department of Chemistry, Stanford University, USA (2005–2006)

*Fellow, Indian Academy of Sciences, Bangalore (1999), Indian National Science Academy, New Delhi (2008), Royal Society of Chemistry, UK (2003)

National/International Committee Work:

*Member/Chairman, Program Advisory Committee on Inorganic Chemistry, under Science & Engineering Research Board (SERB) (2012–2013/2013–2015)

*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, Sectional Committee in Chemistry, Indian National Science Academy, New Delhi (2009–2011)

*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, Management Committee, KVPY, IISc Bangalore (2012–2019)

*Member, DST-INSA INSPIRE Program, INSA (2011–)

*Planning Committee Member, International Conference on Coordination Chemistry (2004–2016)

*International Committee Member, Asian Coordination Chemistry Conference (2007–)

*Member, National Scientific Committee, 33rd International Chemistry Olympiad, Mumbai, India (2001)

Teaching:

*Has taught a variety of UG and PG core/elective courses at the Department of Chemistry, IIT Kanpur and Department of Chemical Sciences, IISER Kolkata. Received Commendations from the Directors, IIT Kanpur for teaching excellence several times

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, Russia, UK, Germany, France, Spain, Netherlands, Sweden

Sponsored Research Grants (National: CSIR, DST; International: Germany, France, Ukraine): 17

Research Guidance:

*PhD students supervised: 27; Working for PhD: 3 (IIT Kanpur) + 5 (IISER Kolkata); Will be submitting soon

Projects of UG students supervised: 94; Total number of publications: 153 (Citations: ~5,000; *h*-index: 38)

<https://scholar.google.co.in/citations?user=atapw6wAAAAJ&hl=en>