

**Dr. Partha Pratim Das**

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Academic Qualifications:

Course	Institute Name	Board/University
Bachelor of Science	Ramakrishna Mission Residential College, Narendrapur, WB	University of Calcutta, West Bengal, India
Master of Science (Chemistry)	Indian Institute of Technology Guwahati	Autonomous
Ph.D. (Chemistry)	Indian Institute of Technology Kanpur	Autonomous

Ph. D. Thesis Title:

Transition Metal Complexes of Pyridine/Pyrazine Amide Acyclic and Cyclic Ligands. Structures and Redox Activity

Area of Research:

- Coordination Chemistry
- Bio-mimetic Chemistry
- Supramolecular Chemistry

Memberships:

1. Indian Science Congress Association (Life Member)
2. IUPAC (Affiliated Membership - 2018)
3. Indian Society of Chemists and Biologists (Life Member)
4. Researchers Society of Chemical Sciences, India (Life Member)
5. The Association of Chemistry Teachers (Life Member)
6. American Peptide Society (Life Member)

Editorial Board:

1. Member, Editorial Board of *Science Journal of Analytical Chemistry* (Science Publishing Group), [Oct, 2018 – Dec, 2020]
2. Member, Editorial Board of *Science Journal of Chemistry* (Science Publishing Group), (21st April, 2021 -)

Reviewer Committee Member:

1. Inorganic Chemistry Communications
2. Karbala International Journal of Modern Science
3. Science Journal of Analytical Chemistry

Research Publication:

1. "New Model Complexes for the Ni_P Site of Acetyl-CoA Synthase/CO Dehydrogenase: Structure, Electrochemistry and CO Reactivity". *Inorg. Chem.* 2018, 57, 13713–13727.
2. "Cu(II)-*t*Bu-PHOX Catalyzed Enantioselective Malonate Addition onto 3-Hydroxy 2-Oxindoles: Application in the Synthesis of Dimeric Pyrroloindoline Alkaloids". *Chem. Comm.*, 2018, 54, 7963-7966.
3. "Mixed Valence Copper-sulfur Clusters of High Nuclearity: A Cu₈ Wheel and Cu₁₆ Nanoball". *Chem. Comm.* 2017, 53, 3334-3337.
4. "Electron transfer mechanism of catalytic superoxide dismutation via Cu(II/I) complexes: evidence of cupric–superoxo/–hydroperoxo species". *Dalton Trans.*, 2016, 45, 11898-11910.
5. "Cobalt(II), nickel(II) and copper(II) complexes of a hexadentate pyridine amide ligand. Effect of donor atom (ether vs. thioether) on coordination geometry, spin-state of cobalt and M^{III}–M^{II} redox potential". *Dalton Trans.*, 2011, 40, 10758-68.

Administrative Activities:

1. O. S. D. Examination
2. IQAC Committee Member
3. Student Union Election Committee

Orientation Program:

Participated in the **81st Orientation Program, Patna University**, held between 24-11-2018 to 21-12-2018 and obtained Grade 'A'.

Refresher Course:

Participated in the **Refresher Course on "Recent Advances in Chemical Sciences"**, held between 17-08-2020 to 29-08-2020 by **UGC-HRDC Dr. Hari Singh Gaur Vishwavidyalaya, Sagar**.

Training/Skill Development Programs:

1. One Week "**Faculty Development Program**" on "**Multimedia enriched e-Content Development**", by Guru Angad Dev Teaching Learning Centre (GAD-TLC), SGTB Khalsa College, University of Delhi under the (PMMMNMTT) of MHRD, Govt. of India.

2. One Online Week **“Faculty Development Program”** on **“Transformational Experiences in Higher Education”** by Teaching Learning Center, Indian Institute of Technology (BHU), Varanasi, U.P. India, Supported by (PMMMNMST) of MHRD, Govt. of India.
3. One Week **“Faculty Development Program”** on **“Development of Careers in Higher Education in India in the 21st Century”** by Guru Angad Dev Teaching Learning Centre (GAD-TLC), SGTB Khalsa College, University of Delhi under the (PMMMNMST) of MHRD, Govt. of India in collaboration with St. John’s College, Agra.
4. One Week **“Faculty Development Program”** on **“Development and Management of MOOCs and Online Courses using LMS – Moodle”** by Guru Angad Dev Teaching Learning Centre (GAD-TLC), SGTB Khalsa College, University of Delhi under the (PMMMNMST) of MHRD, Govt. of India.
5. One week **“Short Term Training Programme”** on **“Development of Laboratory Instruction”** by National Institute of Technical Teacher’s Training and Research (NITTTR), Kolkata of MHRD, Govt. of India.
6. **“Short Term Course”** on **“Renewable Energy”** by UGC-Human Resources Development Centre (Academic Staff College) Osmania University, Hyderabad, Telangana, India
7. **“Online Certificate course”** on **“Risk Management of Biological and Cascading Hazards: In Context Pandemics”** by Jointly by IIT Roorkee, Indo-Japan Laboratory, Japan, Arise India and RIKA

Workshops Attended:

1. **‘Workshop on Column Structure and Chemistry (Merck) and Mass Spectrometry (Agilent)’** November 2, 2015, Department of Chemistry, IIT Kanpur.
2. **‘One Day Workshop On Capacity Building of Teachers, Researchers/ Students Through Research Projects’** March 31, 2018, Magadh University, Bodh-Gaya.
3. One Day online Workshop on **“Empowering Effective Scientific Research By Harnessing The Power Of Web Of Science & Managing References Using Endnote”** May 20, 2020, Guru Nanak Dev University Amritsar, School Of Education, Pandit Madan Mohan Malaviya National Mission On Teachers And Teaching of MHRD, Govt. of India in collaboration with Clarivate Analytics.
4. Two Days Online National Workshop (equivalent to a regular National Workshop) **“Online Teaching-Learning using LMS-MOODLE”** 17th-18th July 2020, Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMST) of MHRD, Govt. of India.

Invited Lecture:

- Seminar on **“Chemistry in Everyday Life”** at Gautam Buddha Mahila College, Gaya (A constituent unit of Magadh University, Bodh-gaya) (4th August, 2018).

- Webinar on “**Effect of donor atom (ether vs. thioether) on coordination geometry, spin-state of cobalt and $M^{III}-M^{II}$ redox potential**” at Balagarh Bijoy Krishna Mahavidyalaya, Balagarh, West Bengal (26th July, 2020).
- Webinar on “**Effects of donor atom on coordination geometry, spin-state of and redox potential**” , sponsored by TEQIP II, Motihari College of Engineering, Motihari in collaboration with Government Engineering College, Sheohar (2nd October, 2020).
- Student Development Program (SDP) on “**Virtual Labs in Chemistry**” organized by IQAC, A. N. College, Patna (2nd July - 12th July, 2021).

Oral Presentation:

- International Web-conference “**Recent Trends on Chemistry and Environment 2021**” (RTCE 2021) organized by M. S. J. Govt. P. G. College, Bharatpur, Rajasthan on 5-6th March, 2021.
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