

# Curriculum Vitae

## **Kuheli Pramanik**

Assistant Professor

Department of Chemistry

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### ACADEMIC INFORMATION

- A.** *Doctor of Philosophy* (Ph.D., Ongoing) in Chemistry.  
Supervisor: Dr. Amrita Saha, Professor, Jadavpur University, Kolkata.  
Co-supervisor: Dr. Anangamohan Panja, Assistant Professor, Department of Chemistry, Gokhale Memorial Girls' College, Kolkata.  
*Title of the Ph.D. thesis: "Design and Synthesis of New Lanthanide-based single-Molecule Magnets and their Magneto-structural Studies"*
- B.** *Master of Science* (M.Sc., 2012) in **Chemistry** (specialization in **Organic Chemistry**)  
Degree awarded by Vidyasagar University, Paschim Medinipur, India.
- C.** *Bachelor of Science* (B.Sc., 2010) in **Chemistry**  
Degree awarded by Vidyasagar University, Paschim Medinipur, India.

### TEACHING EXPERIENCE

- Assistant Professor: June 2017 – Till date.
- Guest Lecturer: Ghatal R. S. Mahavidyalaya, Ghatal, Paschim Medinipur. July 2013 – March 2017.
- Guest Lecturer: Raja N. L. Khan Women's College, Midnapore, Paschim Medinipur July 2014 – December 2014.

### RESEARCH EXPERIENCE

- 7 years

### LIST OF PUBLICATIONS

1. **K. Pramanik**, Z. Jagličić, R. Herchel, P. Brandão, N. C. Jana, A. Panja Combined experimental and theoretical studies on a series of mononuclear Ln<sup>III</sup> single-molecule magnets: dramatic influence of remote substitution on the magnetic dynamics in Dy analogues. *Dalton Transactions*, **2023**, 52, 1241-1256. (DOI: [10.1039/D2DT03354B](https://doi.org/10.1039/D2DT03354B))
2. A. Panja, Z. Jagličić, R. Herchel, P. Brandão, **K. Pramanik**, N. C. Jana "Three angular Zn<sub>2</sub>Dy complexes showing the effect of remote coordination at Zn and counter ions on slow magnetic relaxation at Dy centres". *New Journal of Chemistry*, **2022**, 46, 13546-13557. (DOI: [10.1039/D2NJ01759H](https://doi.org/10.1039/D2NJ01759H))

3. **K. Pramanik**, Y.-C. Sun, P. Brandão, N. C. Jana, X.-Y. Wang, A. Panja “Macrocyclic supported dinuclear lanthanide complexes with different  $\beta$ -diketonate co-ligands displaying zero field single-molecule magnetic behaviour”. *New Journal of Chemistry*, **2022**, 46, 11722-11733. (DOI: [10.1039/D2NJ01017H](https://doi.org/10.1039/D2NJ01017H))
4. A. Panja, Z. Jagličić, R. Herchel, P. Brandão, **K. Pramanik**, N. C. Jana “The first exploration of coordination chemistry using a methyl substituted o-vanillin based ligand: an example starting with Dy<sub>4</sub>/Zn<sub>2</sub>Dy<sub>2</sub> systems displaying slow relaxation of magnetization”. *New Journal of Chemistry*, **2022**, 46, 5627-5637. (DOI: [10.1039/D1NJ05717K](https://doi.org/10.1039/D1NJ05717K))
5. F.-X. Shen‡, **K. Pramanik**‡, P. Brandão, Y.-Q. Zhang, N. C. Jana, X.-Y. Wang, A. Panja “Macrocyclic supported dimetallic lanthanide complexes with slow magnetic relaxation in Dy<sub>2</sub> analogues”. *Dalton Transactions*, **2020**, 49, 14169-14179. (DOI: [10.1039/D0DT02778B](https://doi.org/10.1039/D0DT02778B)) (‡ Co-first author)
6. A. Panja, N. C. Jana, S. Adak, **K. Pramanik** “Insight into the origin of catechol oxidase activity in a rare Mn<sup>II</sup>/Mn<sup>III</sup> mixed valence ion pair complex: An account of comparative biomimetic catalytic study”. *Inorganica Chimica Acta*, **2017**, 459, 113-123. (<https://doi.org/10.1016/j.ica.2017.01.024>)
7. N. C. Jana, **K. Pramanik**, A. Bauzá, P. Brandão, M. Patra, A. Frontera, A. Panja “Pseudohalides regulated diverse helicity in copper(II) coordination polymers derived from a bis(aminoethoxy) ligand”. *Polyhedron*, **2017**, 124, 262-274. (<https://doi.org/10.1016/j.poly.2016.12.042>)

#### ATTENDED/PRESENTED PAPER/ IN SEMINAR/WORKSHOP/WEBINAR

- DBT-Star College Scheme Sponsored Two-day International webinar on “*Learning Chemistry During COVID-19*”. Organized by Dept. of Chemistry, Jhargram Raj College. Sept 30-Oct 01, 2020.
- A Three-Day *National Webinar on Frontiers in Chemistry: From Fundamentals to Applications* (FCFA 2020). Organized by Dept. of Chemistry, Presidency University, Kolkata, WB. Sept. 25-28, 2020.
- *Recent Advances in Fluorescence Spectroscopy*, Organized by Dept. of Chemistry, Vidyasagar University, Midnapore, and Chemical Research Society of India, Kharagpur chapter, WB. Sept. 23, 2020.
- International webinar-2 on *New Horizon Chemical Challenges, Strategies and Recent Advancements in Global Perspective*. Organized by Dept. of Chemistry and IQAC, GGDC-Singur. Sept. 20, 2020.
- Two-day International webinar on *Chemistry: A Motivation in Research*, organized by Dept. of Chemistry, GGDC- Keshiary, WB. August 27, 2020.
- *Current Challenges in Experimental Physical Chemistry*, organized by Dept. of Chemistry, IIT (ISM) Dhanbad, Royal Society of Chemistry. July 31 and August 1, 2020.

- National Webinar on *Concepts, Innovations and Methods When Chemistry Meets Biology*, organized by Dept. of Chemistry, Kharagpur College, in association with National Academy of Sciences, India. July 17, 2020.
- *International webinar on Better Understanding of Pandemic COVID-19*. Organized by IQAC, Kharagpur College. June 23, 2020.
- National Webinar on *Recent Development of Chemistry (RDC-2020)*. Organized by Dept. of Chemistry, Kharagpur College. June 20, 2020.
- One day workshop on *Promotion Under Career Advancement Scheme*, organized by IQAC Kharagpur College, September 2019.
- Science Academies' Three Days Lecture workshop on "*Recent Advancements & Achievements in Chemical Sciences*" held at Department of Chemistry, Jhargram Raj College during February 14-16, 2018.
- Attended and presented a poster at the *National Seminar on Current Developments in Chemical Sciences (CDCS-2018)*, organized by the Dept. of Chemistry, Jadavpur University. March 07, 2018.
- UGC Sponsored National Seminar on *Recent Development in Bio-Active Molecules (RDBAM-2016)* on August 4th – 5th, 2016, Organized by Department of Chemistry, Haldia Govt. College. **Awarded as Best Poster- 3<sup>rd</sup> Place.**
- Participated in *One day National Symposium on Frontiers in Chemical Sciences-2012* at the department of Chemistry, Vidyasagar University, Paschim Medinipur, India; March 21, 2012.
- Participated in *One day National Symposium on Frontiers in Chemical Sciences-2011* at the department of Chemistry, Vidyasagar University, Paschim Medinipur, India; March 13, 2011.

#### PARTICIPATION IN PROFESSIONAL DEVELOPMENT COURSES

- Participated in the Inter/Multi-disciplinary *Refresher Course in Environmental Science and Ecology*, organized by UGC-HRDC Ranchi University, from September 13 – 26, 2022.
- Participated in *UGC-Sponsored Fifth Online Faculty Induction Programme*, organized by UGC-HRDC Bharathidasan University from 06.09.2021 – 05.10.2021.
- Two-weeks *Faculty Development Program*, sponsored by Entrepreneurship Development Institute of India (EDII) Ahmedabad under DST-NIMAT project (2017-18), Organized by Webcon Consulting (India) Limited, Kolkata at Kharagpur College.

#### DELIVERED INVITED LECTURE

- A lecture was delivered on a certificate course "*Chemistry: A subject with multifarious opportunities*", topic: waste management, organized by the Dept. Of Chemistry, Kharagpur College.

**FELLOWSHIP/AWARD/RECOGNITION RECEIVED**

- Winner of **Best Poster (3<sup>rd</sup> Place) award** on UGC Sponsored National Seminar on “Recent Development in Bio-Active Molecules (RDBAM-2016) on August 4th – 5th, 2016, Organized by Department of Chemistry, Haldia Govt. College.
- Qualified the West Bengal State Eligibility Test (**SET-2014**) in Chemical Sciences, organized by the West Bengal College Service Commission, held on 14.12.2014.
- “**Merit-Cum-Means scholarship**” by Govt. of West Bengal, 2011-2012.

**ADMINISTRATIVE RESPONSIBILITY**

- Head of the Department of Chemistry (July 2023 – till date)

**MEMBERS IN DIFFERENT COMMITTEE**

- Member of Cultural sub-committee, Kharagpur College
- Member of Women cell, Kharagpur College
- Member of Teaching committee, Kharagpur College
- Member of Project & Seminar subcommittee, Kharagpur College

**DECLARATION**

I hereby declare that the above information is true to the best of my knowledge and belief.