

SURABHI GUPTA

Graduate Student, Department of Inorganic and Physical Chemistry, Indian Institute of Science Bengaluru

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Research Interests

Microwave spectroscopy and dynamics of molecules and clusters, Weak bonding interactions, Intermolecular interactions.

Educations

PhD in Physical Chemistry (Coursework: 8.0/10 CGPA).

August 2018 – Present

Supervisor: Prof. E. Arunan, Department of Inorganic and Physical Chemistry, Indian Institute of Science, Bengaluru

College/University: Indian Institute of Science, Bengaluru

Department: Department of Inorganic and Physical Chemistry

M.Sc. in Chemistry (8.54/10 CGPA).

July 2017

College/University: Indian Institute of Technology (ISM), Dhanbad, India.

M.Sc. Dissertation: Gold-supported magnetically recyclable Fe₃O₄@SiO₂-NH₂-Au microsphere: A highly stable and active catalyst for aqueous phase nitro phenol reduction.

B.Sc. in Chemistry (8.37/10 CGPA).

July 2015

Colleg /University: Banaras Hindu University, Varanasi, India.

Intermediate (81.2%).

July 2012

College/University: Government Girls Inter College, Varanasi, India.

High School (78.5%).

July 2010

College/University: Agrasen Kanya Inter College, Varanasi, India.

Work Experience

- Worked as an exchange student on “Studying weak bonding interactions using the Chirped Pulse Fourier Transform Microwave Spectrometer” at Newcastle University, United Kingdom. (01/01/2023 to 06/03/2023)
- Project on “Synthesis of Spiro-epoxyoxindoles and its applications towards natural product synthesis” at CSIR-National Chemical Laboratory, Pune (05/05/2016 to 05/07/2016)
- Project on “Synthesis of alpha-diazoarylethylphosphonates” at CSIR-Central Drug Research Institute, Lucknow. (09/06/2014 to 09/08/2014)

Conferences

- Oral presentation at the 24th International Conference on Horizons in Hydrogen Bond Research” (HBOND2022), held at Bilbao, Spain, from 12th-15th September 2022.
- Oral presentation in the Spectroscopy and Dynamics Group Meeting, held at Durham University, United Kingdom, from 3rd-5th January 2023.
- Poster presentation in the one-day symposium (IPC Day), held at IISc Bangalore, on 25th March 2023.
- Oral presentation at the 76th International Symposium on Molecular Spectroscopy (ISMS), held at the University of Illinois at Urbana-Champaign, USA, from 19th-23rd June 2023.

National Competitive Exams

- GATE 2017
- GATE 2018
- NET (LS) 2017 December
- DST INSPIRE Fellowship
- Selected for a PhD position (in 2018) at IIT Bombay, IIT Madras and IISc Bangalore

Scholarships and Awards

- Hindustan Pratibha Samman-2010.
- DST INSPIRE- Scholarship for Higher Education (SHE)-2012-2017, (Reg. No. 3411/2012).
- Best poster presentation in the one-day symposium (IPC Day), held at IISc Bangalore on 25th March 2023.

Internships and Workshops

- DST INSPIRE-SEAT Internship Science Camp-2010, organised by BHU.
- Workshop on “Supramolecular Concepts and Perspectives” organised by the Indian Academy of Sciences in BHU 2014.
- First Annual Workshop on Catalysis organised by the Department of Applied Chemistry, IIT (ISM) Dhanbad, India.
- Workshop on “Introduction to Gaussian: Theory and Practice” organised by SCUBE Scientific Software Solutions (P) Ltd in Hyderabad, India.
- Workshop on “100 Years of Hydrogen Bonding” organised by the Department of Inorganic and Physical Chemistry, Indian Institute of Science Bangalore, India.

Declaration

I hereby declare that the particulars of information and facts stated herein above are true, correct, and complete to the best of my knowledge and belief.

Place: Bengaluru, Karnataka

Surabhi Gupta