

Curriculum Vitae

Suman Noskar, Integrated Ph.D. Student

C/o: Prof. Alakesh Bisai

Department of Chemical Sciences

IISER Kolkata, West Bengal, India-741246

Born: West Bengal, 30th June-2001, India

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Marital status: Unmarried



Educational qualifications

Ph.D. Student (<i>Synthetic Organic Chemistry</i>) July 2023-Till	Indian Institute of Science Education and Research Kolkata, India Thesis Supervisor - Prof. Alakesh Bisai Thesis Title: “ Total Synthesis of Architecturally Intriguing Tetraterpenoids, Taiwanoids A-D ”
M.Sc. 2021- 2023	Indian Institute of Science Education and Research Kolkata, India Thesis Title: “ Towards the Asymmetric Total Synthesis of Naturally Occuring Triterpenoid, Taiwaniadduct A. ” CGPA: 9.46
B.Sc. (Chemistry Hons.) 2018- 2021	Presidency University, West Bengal, India CGPA: 7.69

Area of Interest

- Synthesis of biologically active natural products.
- Development of new catalytic methods and unified approaches involving novel reactivity concepts to enable the rapid generation of architecturally complex chiral molecules and natural products from simple building blocks.
- Design of new synthetic strategies for Carbon-Carbon and Carbon-Hetero bond formation to synthesize biologically important optically pure molecules.

Teaching Experience

- Teaching Assistantship in the course CH4201 (Jan 2023 - May 2023): Advanced Organic Synthesis Course for Undergraduate Students at IISER Kolkata (Advisor: Dr. Biplab Maji and Dr. Suman De Sarkar).
- Teaching Assistantship in the course CH4117 (Aug 2023 - Dec 2023): Advanced Organic Chemistry II Course at IISER Kolkata (Advisor: Prof. Alakesh Bisai).

Technical Skills

- Multi-step synthesis of natural products using different routes and their characterization by various techniques like **NMR, Mass, IR, HPLC, Polarimeter, ElectraSyn 2.0, High-pressure Hydrogenator, and Ozonolysis device** etc.
- Purification of compounds using Thin-Layer Chromatography, Column Chromatography, Fractional distillation, or Recrystallization methods.
- Capable of handling moisture sensitive reagents and reaction in highly inert system.
- Skilled in laboratory management.
- Writing and presentation of research findings.

Awards and Achievements

- Qualified **Joint CSIR-UGC (National Eligibility Test)** December 2022-June 2023 and obtained UGC-JRF with **All India Rank 6**.
- Qualified **Joint CSIR-UGC (National Eligibility Test)** June 2022 and obtained CSIR-JRF with **All India Rank 100**.
- Qualified **Graduate Aptitude Test in Engineering (GATE)** 2023 with **All India Rank 81**.
- Qualified **IIT-JAM-2022** (Indian Institutes of Technology-Joint Admission Test for M.Sc) with **All India Rank 20**.
- Qualified **IIT-JAM-2021** (Indian Institutes of Technology-Joint Admission Test for M.Sc) with **All India Rank 320**.

Conferences

- Participated in the “**Sustainability & Interdisciplinarity in Chemical Sciences-2023**” held at IISER Kolkata, July 2023.
- Participated in the "**Student's Seminar**" held at Presidency University, March 2023

Internships

- Summer internship (*May 2022-July 2022*) at IISER Kolkata under Prof. Alakesh Bisai.

List of Publications

Nil

Courses Taken

Advanced Organic Synthesis, Advanced Main Group and Organometallic chemistry, Heterocyclic Chemistry and Natural Products, Frontiers at the Chemistry-Biology Interface, Chemical Perspectives of Biological Pathways, Group Theory and Spectroscopy, Physical Methods of Structural Elucidation etc.

References

Prof. Alakesh Bisai

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Declaration

I do hereby declare that the above-mentioned information is correct to the best of my knowledge.

Date: 27th October, 2023

Place: IISER Kolkata, India

(Mr. Suman Noskar)