

# SOUMI KARMAKAR

## Present Address

Chowbetya

**P.O:** Bankadaha

**District:** Bankura

**Pin:** 722164

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## Professional Summary

Results-driven and highly skilled Master of Science in Organic Chemistry graduate with extensive experience in organic synthesis, compound characterization, and analytical techniques. I am passionate about applying advanced knowledge of organic reactions and mechanisms to drive innovative research and development in the chemical and pharmaceutical industries. I am seeking a challenging role where I can utilize my technical expertise, problem-solving abilities, and dedication to scientific excellence to contribute to cutting-edge projects and advancements in organic chemistry.

## Academic Qualification:

### Master of Science in Chemistry (2015 – 2017)

- Department of Chemistry, **Vidyasagar University**.
- Specialization in Organic Chemistry
- Grade: 67.5%
- **Project:**

#### 1. Biocatalyst in Chemistry

In this project, we explored the use of bio-catalysts in the field of chemistry, focusing on their application without the need for synthetic chemical compositions. Bio-catalysts, such as enzymes, serve as natural catalysts to facilitate chemical transformations in organic compounds. Our discussion covered the advantages and disadvantages of bio-catalysts across various branches of chemistry, with a particular emphasis on their role in promoting green chemistry.

#### 2. Pericyclic Reactions in Chemistry

This project focused on the importance of pericyclic reactions in organic chemistry. We examined various types of pericyclic reactions, such as cycloadditions, electrocyclic reactions, sigmatropic rearrangements, and group transfer reactions. The project involved a detailed discussion on the mechanisms and reactivity changes of these reactions, as well as strategies to convert one product to another by modifying their reactivity and reaction conditions.

### Bachelor of Science in Chemistry (2012 - 2015)

- Department of Chemistry, **Burdwan University**
- Grade: 49.5%

### Technical Proficiency:

- Organic Synthesis
- Purification Techniques
- Titration
- Compound Characterization
- Chromatography
- Laboratory Instrumentation

### Personal Information:

**E-mail:** [soumikarmakar926@gmail.com](mailto:soumikarmakar926@gmail.com)

**Date of birth:** May 1, 1994

**Citizenship:** Indian

**Phone:** (+91) 9933139300

**Gender:** Female

**Marital status:** Single

### Declaration:

I affirm the accuracy of the above information to the best of my knowledge and belief.

**SOUMI KARMAKAR**