

# Surabhi Chakraborty

An independent and self-motivated post-grad with accomplished academic records looking for a challenging career



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Kolkata, India

15 June, 1996

## EDUCATION

### M.Sc ( Chemistry)

Scottish Church College, Calcutta University

2017 – 2019

Percentage : 86.1 % (Institute Topper)

### B.Sc (Hons) Chemistry

Jogamaya Devi College, Calcutta University

2014 – 2017

Chemistry(Hons), Physics  
Mathematics, Environmental  
Science

Percentages

- First Year : 55 %
- Second Year : 67%
- Third Year : 67%

### Higher Secondary Examination

(WBCHSE) Bidya Bharati Girls' High School

2014 Percentage : 79 %

Courses:

- Physics
- Mathematics
- Biology
- Chemistry

### Madhyamik Examination (WBBSE)

Bidya Bharati Girls' High School

2012

Percentage : 81.85 %

Qualified GATE 2020

GATE Score-380

## SKILLS

MS Word

MS Excel

MS PowerPoint

FOTRAN

## PERSONAL PROJECTS

(A) Palladium Complex with Thioether based ONS donor ligand: Synthesis, X-ray structure, Electro-Chemistry and Spectroscopic Characterization (2019)

- Mentor : **Dr. Tapan Kumar Mondal ( Jadavpur University)**

- Synthesized a novel palladium(II) complex with new thioether containing ONS donor Schiff base ligand(HL).

The ligand (HL) and the complex [Pd(L)Cl] were

- systematically characterized by various analytical and spectroscopic techniques like <sup>1</sup>H-NMR, FTIR-spectroscopy, UV-Vis, HRMS Spectroscopy and Fluorescence.

- The redox behaviour of the complex was also investigated by cyclic voltammetric method in acetonitrile.

- The geometry of the complex [Pd(L)Cl] was determined by X-ray crystallographic method.

(B) Currently working on a project based on the reactivity of Pyridine disulphide with various transition metals under the guidance of **Dr. Partha Halder (Scottish Church College, Kolkata)**

## SEMINARS

Current Trends in Chemical Science" Department of Chemistry, Scottish Church College in collaboration with Research Scholars Association, IACS, Kolkata, 2017

One -Day Symposium on "Life and Works of Professor Asima Chatterjee: A Centenary Tribute" organised by The Department of Chemistry, Scottish Church College, Kolkata in collaboration with The Royal Society of Chemistry, Eastern India Section, 2018.

## LANGUAGES

English

Full Professional Proficiency

Bengali

Native or Bilingual Proficiency

Hindi

Professional Working Proficiency

## INTERESTS

Group Theory and its Applications

Organometallic Chemistry

Chemistry of Coordination Compounds

Bioinorganic Chemistry