



Address for communication:

Mr. Durga Charan Barui,
State Aided College Teacher
Department of Chemistry,
Garhbeta College, Garhbeta, Medinipur,
West Bengal, 721127 (India)

Email(s): durgabarui10@gmail.com

Contact number(s): +91-7001666386 &
9679414767



Subject of Interest:

- Thermodynamics, Statistical Mechanics, Statistical Thermodynamics, Molecular Spectroscopy, Quantum Chemistry, Surface Chemistry, Catalysis, Physical Chemistry of Electrochemistry, Kinetics, Photochemistry, Experimental article of Physical chemistry.
- Oscillatory reaction in chemical kinetics,

Experimental skills and expertise:

During my M. Sc project, I could explore various techniques to fulfill the requirements of the research-problems that I worked on. I summarize my experience/expertise below:

Spectrophotometer: I have extensively used Spectrophotometer technique to quantitative measure the reflection or transmission properties of a material as a function of wavelength.

Calorimeters: To measuring the heat of chemical reactions or physical changes as well as heat capacity.

Potentiometer: Used to control electrical devices such as volume controls on audio equipment.

PH meter: To measure hydrogen-ion activity (acidity or alkalinity) in solution.

Conductometry: To measure the electrolytic conductivity to monitor a progress of chemical reaction. Conductometry is often applied to determine the total conductance of a solution or to analyze the end point of titrations that include ions.

Awards/Prizes/Certificates/Fellowship:

- 2015: Qualified National Level GATE examination in Chemistry.

Webinars:

- State Level Online Training & Orientation Programme On “Awareness & Preventive Measures Of Covid-19” Organised By NSS Units, Garhbeta College, Garhbeta, Paschim Medinipur, Pin – 721127 Date : 15 th May , 2020
- State-level Webinar on “Scanning Covid-19 Pandemic Through Gender Lens Organised By SAHELI (Women’s Cell) In association with IQAC, Garhbeta College, Garhbeta, Paschim Medinipur, Pin – 721127 Date : 20 th July , 2020



D. C. Barui

Educational Qualifications:

MSc (Chemistry):

2013 – 2015

Vidyasagar University, West Bengal, India

Specialization: Physical chemistry.

BSc (Chemistry, Mathematics, and Physics):

2010 – 2013

Saldiha College, Bankura, West Bengal, India

Affiliated to The University of Burdwan, Burdwan, West Bengal,
India