CURRICULUM VITAE

BIOGRAPHICAL DATA:

Name:	Susmita Chowdhury
Present Designation:	Assistant Professor, Department of Chemistry, GGDC, Tehatta, West Bengal Education Services.
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Date of Birth:	7th June, 1993
Nationality:	Indian
Religion:	Hindu
Category:	General
Marital Status:	Married

ACADEMIC PROFILE:

1. 2017, M.Sc in Chemistry, Jadavpur University, (1st class: 79.6%, Physical chemistry specialization).

2. 2014, B.Sc in Chemistry, Ashutosh College, University of Calcutta, (1st class: 68.6%).

3. 2011, ISC Examination, ICSE Board, Calcutta Public School, (1st Division: 87.25%).

4. 2009, ICSE Examination, ICSE Board, Calcutta Public School, (1st Division: 94%).

AWARDS AND ACHIEVEMENTS:

1. Awarded Doctoral Research Fellowship (**National Eligibility Test (NET-2017))**, in Chemical Sciences conducted by CSIR-UGC New Delhi, Govt. of India) held on December 2017 (All India Rank UGC-JRF 50).

2. Qualified GATE 2017 (Chemical Sciences), All India Rank: 65.

3. Awarded Gold Plated Silver Medal for securing highest marks in physical chemistry in M.Sc, 2017.

RESEARCH ARTICLES:

1. Spectroscopic, photophysical and theoretical insight into the chelation properties of fisetin with copper (II) in aqueous buffered solutions for calf thymus DNA binding. Sutanwi Bhuiya, **Susmita Chowdhury**, Lucy Haque, Suman Das*. *International Jounal of Biological Macromolecules*, 120 **(2018)** 1156-1169.

2. Binding aspects of dietary flavone, luteolin, with polymorphic forms of natural DNA: a spectroscopic and molecular docking approach. Sutanwi Bhuiya, Lucy Haque, Taniya Dutta, **Susmita Chowdhury** and Suman Das. *New Journal of Chemistry*, 43 **(2019)** 249-260.

3. Structural alteration of low pH, low temperature induced protonated form of DNA to the canonical form by the benzophenanthridine alkaloid nitidine: Spectroscopic exploration Lucy Haque, Sutanwi Bhuiya, Indrajit Giri, **Susmita Chowdhury**, Suman Das*. *International Jounal of Biological Macromolecules*, 119 **(2018)** 1106-1192.

4. A Modest Spectroscopic Approach Towards the Comparative Binding Studies of Various Single-stranded RNA with the Flavonol Myricetin. **Susmita Chowdhury[1]**, Sutanwi Bhuiya, Lucy Haque, Suman Das*. (**Communicated**)

5. Spectrochemical Survey and Molecular Docking of the Interaction of Bovine Hemoglobin at Biological pH with the Flavonoid Taxifolin. **Susmita Chowdhury[1]**, Sutanwi Bhuiya, Lucy Haque, Suman Das*. (**Communicated**)

CONFERENCES:

1. Emerging Trends in Chemistry, Jadavpur University, Kolkata, 2017.

REFEREES:

1. *Dr. Suman Das*

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