

SHIPRA SINGH

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Aligarh, Uttar Pradesh

EDUCATION QUALIFICATION

Degree	Institution	Year	Percentage
Ph.D. Chemistry	Department of Chemistry, University of Delhi	Pursuing	-
M.Sc. Organic Chemistry	St. John's College, Agra	2019	73.25
B.Sc. (Microbiology)	Institute Of Information Management and Technology, Aligarh	2017	73.38
Class 12 (ISC)	Smt. Jai Devi Memorial Public School, Aligarh	2011	68.20
Class 10 (ICSE)	Smt. Jai Devi Memorial Public School, Aligarh	2009	70

RESEARCH INTEREST

Bimolecular Interactions: Protein- DNA interaction (using UV-Spectroscopy, UV-thermal denaturation, Circular Dichroism, Fluorescence & Gel-electrophoresis)

LABORATORY TECHNIQUES

- Circular Dichroism (CD) Spectroscopy
- Fluorescence Spectroscopy
- UV-Thermal Denaturation
- Polyacrylamide Gel Electrophoresis (PAGE)
- UV-Visible Spectroscopy

CONFERENCES

- Presented a poster on the topic **“Recognition and Stabilization of a G-quadruplex motif at Human *TRPA1* gene”** at the International Conference on “Crossroads of Chemistry, Biology, and Atmospheric Environment: A Modern Perspective” organized by the University of Delhi, held on February 26-28, 2024.
- Presented a poster on the topic **“Metal ion mediated Stabilization of a G-quadruplex at coding DNA segment of Human *TRPA1* gene”** at the 60th ACC 2023 annual Convention of Chemists organized by **Indian Institute of Technology-Delhi**, held on December 20-21, 2023. **(Best poster award)**
- Participated in **“International Organic Chemistry Symposium 2023”** organized by the Department of Chemistry University of Delhi, on October 25, 2023.
- Presented a poster on the topic **“Rainwater harvesting will be the solution for the Water level depletion in Agra City”** at the Second international conference on “Recent Advances in Environmental Protection” organized by the Department of Chemistry, St. Jones College Agra November held on 27-29, 2018.
- Presented a poster on the topic **“The study of Ascorbic acid content in various regular juices available in the market”** at the Second international conference on “Recent Advances in Environmental Protection” organized by the Department of Chemistry, St. Jones College Agra held on November 27-29, 2018.

WEBINAR AND WORKSHOP

- Attended the webinar on **“Online user awareness program to demonstrate the accessibility of Springer Nature eBooks and Journals”** organized by SPRINGER NATURE in collaboration with Central Library, University of Delhi held on July 19, 2023.
- Attended a national workshop on **“NEP 2020: Model Curriculum and Content in Chemistry”** organized by the Department of Chemistry, University of Delhi and Vidya Bharti Uchcha Shiksha Sanstha held on 14-15 March 2024.

