

CURRICULUM VITAE

SHIVANI SINGH, M.Sc., M.Phil.

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Age & Date of Birth: 27 & 25.05.1995

Gender: Female



OBJECTIVE

To seek a career in research field and learning new methods in modern technologies where I utilize my potential of learning and doing hard work.

LANGUAGE KNOWN Hindi & English

ACADEMIC PROFILE

2011 - 2014 Bachelor of Science (B.Sc.) in (Maths and Chemistry) from
Chhatrapati Shahuji Maharaj University, Kanpur

2015-2017 Master Of Science (M.Sc.), (Chemistry) from Chhatrapati Shahuji
Maharaj University, Kanpur

2017-2018 M.Phil. from the Department of Physical Chemistry, University Of
Madras

M.Phil. PROJECT

“Computational approach to pyrolysis of 1-methacryloyl -3-(4-chlorophenyl) thiourea Analyzing kinetic and thermodynamics parameters using DFT/b3lyp method” under the supervision of Dr. S. Nehru, Assistant Professor, Department of Physical Chemistry, University of Madras, Chennai-600025

ATTENDED WORKSHOPS. SEMINARS

1. One day International Seminar on “**Sustainable Development and Clean Technologies**” at Centre for Technology Development and Transfer Anna University, Chennai-25.
2. Participated and Oral Presentation entitled “**A Density Functional Theory Study on the Interaction of Chemical Warfare Nerve Agents with ETS-10**” in the 5th International Conference on Recent Advances in Material Chemistry (**ICRAMC-2021**), Department of Chemistry, SRMIST associated with Alternative Energies and Atomic Energy Commission (CEA) and Universite Gustave Eiffel, France.

3. Indo-Canadian research lecture series on “**Emerging trends in CO₂ capture and green technologies**” Department of Chemical Engineering, School of Technology, Pandit Deendayal Energy University, Gandhinagar.
4. International Conference on “**Multifunctional Electronic Materials and Processing (MEMP-2021)**” Organized by Centre for materials for electronics technology (C-MET), Pune.
5. Attended “**8th computational chemistry workshop-2021 (CCW-2021)**” organized by Dr. Nikhil Aggarwal, Aims institute, Delhi, under a professional training program category held from 24th May 2021–28th May 2021.

COMPUTER KNOWLEDGE

✚ MS OFFICE (Word, Excel, Powerpoint).

✚ Material Studio

AREA OF INTEREST

Computational Chemistry

Density Functional Theory

TADF materials

Chemical warfare Agents

Gaussian Software

CP2K

Molecular Modelling

Also knows to handle Powder X-Ray Diffraction Spectrometer

STRENGTHS

✚ Ability to adapt to new changes and attitude to continuously upgrade understanding on the evolving concepts.

✚ Attitude to work in teams and efficiently.

REFERENCE

Dr. S. Nehru, Assistant Professor, Department of Physical Chemistry, University of Madras, Chennai-600025 (*Contact: nehruchem@gmail.com; +91-7871716309*)

Regards,
(Shivani Singh)

