

RESUME

PERSONAL DETAILS –

Name – **SHIVANI SHARMA**

Father's Name- Sh. B. K. Nadda

Date of Birth - 24-04-1993

Marital Status- Single

Nationality- Indian

Contact Number -8219107267, 9625414355

Email Address – shivani1941993@gmail.com



PERMANENT ADDRESS-

Village Panjali

Post office: Dugha

Teh. & Distt. : Hamirpur

Himachal Pradesh

Pin Code: 177001

OBJECTIVE

I have to work with organisation where my knowledge and potential can be used for the rapid grow of organisation by challenging course work.

EDUCATIONAL CREDENTIALS

Ph.D. from NIT Hamirpur

Department of Chemistry

From 2018 under the supervision of
Dr. kalyan Sundar Ghosh

(Submitted on 11th July 2023)

B.Ed from H.P University **2016-2018**
Shimla with 72%

Post-Graduation: **2014-2015**
M.Sc. (Chemistry Honours School)
Guru Nanak Dev University
Amritsar with 73% (**CGPA- 8.30/10**)

Graduation: **2010-2013**
B.Sc. (Honours School)
Department of Chemistry
Guru Nanak Dev University
Amritsar with 63% (**CGPA- 7.03/10**)

XII: **2010**
Him Academy public School
Hamirpur with 86%

X: **2008**
Him Academy public School
Hamirpur with 89%

PROFESSIONAL CREDENTIALS

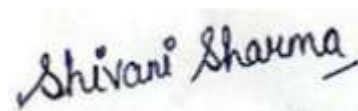
- | | |
|-------------------|-------------|
| 1. GATE qualified | 2017 |
| 2. SET qualified | 2019 |

SKILLS

1. Hard Working
 2. Good teaching skills
 3. Problem solving ability
 4. Good Communication skills
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DECLARATION

I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above mentioned particulars.



Research Publications

1. V. Sharma, **S. Sharma**, S. Rana, K. S. Ghosh, Inhibition of amyloid fibrillation of human γ D-crystallin by gold nanoparticles: Studies at molecular level, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 233 (2020) 118199. **IF = 4.83**
2. **S. Sharma**, K. S. Ghosh, Recent advances (2017-20) in the detection of copper ion by using fluorescence sensors working through transfer of photo-induced electron (PET), excited-state intramolecular proton (ESIPT) and Förster resonance energy (FRET), Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 254 (2021) 119610. **IF = 4.83**
3. **S. Sharma**, K.S. Ghosh, Overview on recently reported fluorometric sensors for the detection of copper ion based on internal charge transfer (ICT), paramagnetic effect and aggregation induced emission (AIE) mechanisms, Journal of Molecular Structure 1237 (2021) 130324. **IF = 3.84**
4. **S. Sharma**, Chayawan , A. Jayaraman, J. Debnath , K.S. Ghosh, 2-Hydroxy-naphthalene hydrazone based dual-functional chemosensor for ultrasensitive colorimetric detection of Cu^{2+} and highly selective fluorescence sensing and bioimaging of Al^{3+} , Journal of Photochemistry & Photobiology, A: Chemistry 437 (2023) 114408. **IF = 5.14**

5. **S. Sharma**, Chayawan, A. Jayaraman, J. Debnath, K.S. Ghosh, Highly Selective Aminopyrazine-Based Colorimetric Probe for “Naked-Eye” Detection of Al^{3+} : Experimental, Computational Studies and Applications in Molecular Logic Circuits, ChemistrySelect 2023, 8, e202203695. **IF = 2.30**
6. **S. Sharma**, Chayawan , A. Jayaraman , J. Debnath , K.S. Ghosh A highly selective 2-hydroxybenzhydrazone based dual sensor for Cu^{2+} and Fe^{2+} ions: Spectroscopic, computational and cell imaging studies, Journal of Molecular Structure, 1287 (2023) 135683. **IF = 3.84**
7. **S. Sharma**, Chayawan , K.S. Ghosh Method for highly selective, ultrasensitive fluorimetric detection of Cu^{2+} and Al^{3+} by Schiff bases containing o-phenylenediamine and o-aminophenol, Methods 2023, 217, 27-35. **IF = 4.64**

Conferences

1. Poster presentation in **INTERNATIONAL CONFERENCE** on Advanced Functional Materials: Future Perspectives (AFMFP 2022) during August 06-08, 2022.
2. Poster presentation in **INTERNATIONAL CONFERENCE** on emerging trends in science and technology: ICETST during 10 to 11 june 2022.