


<b>NAME</b>	Dr. Shruti Khanna Ahuja		
<b>DESIGNATION</b>	Assistant Professor-II		
<b>EMAIL ID</b>	skahuja@amity.edu		
<b>CONTACT NUMBER</b>	9794631496		
<b>RESEARCH INTERESTS</b>	Amyloidic proteins as biomaterials, Metal-Nucleobase Interactions, Targeting anti-microbial resistance: both therapeutics and diagnostics		
<b>EDUCATIONAL QUALIFICATIONS:</b>			
Name of College / University	Degree	Year	
Hans Raj College, University of Delhi	B.Sc (H) Chemistry	2005	
Hans Raj College, University of Delhi	M.Sc (Organic) Chemistry	2007	
Indian Institute of Technology Kanpur	PhD	2015	
<b>Title of Ph.D. thesis: Rare Adenine Tautomer Platform: Structural Chemistry and Applications</b>			
<b>EXPERIENCE (in chronological order): Total 20 Years Research &amp; Teaching</b>			
Designation	Type of post held (teaching/ research)	Name of the Institute	Year (From – To)
Assistant Professor	Teaching/ Research	Amity Institute of Biotechnology, Amity University, Noida	03.07.23 – Till Date
Assistant Professor (Guest)	Teaching	USAR, GGSIPU, East Delhi Campus	10.12.21 - 30.06.23
Assistant Professor (Guest)	Teaching	Delhi Technical University	14.12.22 - 31.03.23
Institute Post Doctoral Fellow	Research	Indian Institute of Technology Delhi	01.10.19 – 30.09.21
Research Associate	Research	Indian Institute of Technology Delhi	01.03.19 – 30.09.19
National Post Doctoral Fellow	Research	Indian Institute of Technology Delhi	01.03.17- 28.02.19
Research Associate	Research	Indian Institute of Technology Delhi	02.08.16 – 28.02.17
Project Scientist	Research	Indian Institute of Technology Kanpur	01.07.15 – 31.07.16
Research Associate	Research	Jubilant Chemsys Pvt. Ltd., Noida	01.07.07 – 10.12.08
<b>No. of Ph.D. students supervised</b>			
<b>No. of Post-Doc</b>			
<b>No. of M.Tech. Students supervised:</b>			
<b>No. of B.Tech. Students supervised:</b>			

**PUBLICATIONS**  
(11)

1. **Shruti Khanna**, Ajay Kumar Singh, Soumya Prakash Behera and Shalini Gupta. Thermoreversible BSA Hydrogels with Phase Tunability. *Mat. Sc. Engg. C.*, **2021**, *119*, 111590 (IF: 8.457)
2. Ramakrishna Bandarua, Divagar M, **Shruti Khanna**, Christina Grace Danny, Shalini Gupta, Vani Janakiraman and V V R Sai. U-bent fiber optic plasmonic biosensor platform for ultrasensitive analyte detection. *Sensors Actuat B Chem*, **2020**, *321*, 128463 (IF: 8.4)
3. Pramod Jagtap, Rituraj Mishra, **Shruti Khanna**, Bhanu Mittal, Pratibha Kumari, Hemant K. Kashyap and Shalini Gupta. Mechanistic evaluation of lipopolysaccharide-alexidine interaction using spectroscopic and in silico approaches. *ACS Infect. Dis.*, **2018**, *4*, 1546–1552 (IF: 5.578)
4. Ilesha Avasthi, Himanshu Mamtani, **Shruti Khanna** and Sandeep Verma. Exploring Metal Ion Coordination and Ring Expansion Chemistry of Modified Purine Derivatives. *Ind. J. Het. Chem.* **2018**, *28*, 1–10
5. Ilesha Avasthi, **Shruti Khanna**, Santosh K. Tripathi and Sandeep Verma. N9 substituent mediated structural tuning of copper–purine complexes: chelate effect and thin film studies. *CrystEngComm*, **2017**, *19*, 5202–5213 (IF: 3.756)
6. Vikas Kumar, K. Vijaya Krishna, **Shruti Khanna** and K. B. Joshi. Aggregation propensity of amyloidogenic and elastomeric dipeptides constituents. *Tetrahedron*, **2016**, *72*, 5369–5376 (IF: 2.457)
7. **Shruti Khanna** and Sandeep Verma. Crystal engineering with a purine rare tautomer: structures and luminescence properties. *CrystEngComm*, **2014**, *16*, 6680–6687 (IF: 3.756)
8. **Shruti Khanna**, Batakrishna Jana, Abhijit Saha, Prashant Kurkute, Surajit Ghosh and Sandeep Verma. Targeting Cytotoxicity and Tubulin Polymerization by Metal-Carbene Complexes on a Purine Tautomer Platform. *Dalton Trans.* **2014**, *43*, 9838–9842 (IF: 4.569)
9. Subhendu Bhowmik, **Shruti Khanna**, Kumkum Srivastava, Mohammad Hasanain, Jayanta Sarkar, Sandeep Verma, Sanjay Batra. An Efficient Combinatorial Synthesis of Allocolchicine Analogues via a Triple Cascade Reaction and their Evaluation as Inhibitors of Insulin Aggregation. *ChemMedChem*, **2013**, *8*, 1767–1772 (IF: 3.54)
10. **Shruti Khanna**, Sandeep Verma. Crystallographic

	<p>Signatures of N<sup>6</sup>-Methoxyadenine Imino Tautomer-Silver Complexes. <i>Cryst. Growth Des.</i> <b>2012, 12</b>, 3025–3035 (<b>IF: 4.076</b>)</p> <p>11. Ashutosh Kumar Mishra, Jitendra Kumar, <b>Shruti Khanna</b> and Sandeep Verma. Crystallographic Signatures of Cobalt Coordination with Modified Adenine Nucleobase Containing Carboxyl Group Pendants. <i>Cryst. Growth Des.</i> <b>2011, 11</b>, 1623–1630 (<b>IF: 4.076</b>)</p>
<b>PATENTS</b> ( <i>total no.</i> )	<i>Details:</i>
<b>RESEARCH PROJECTS</b> Completed: ( <i>1</i> ) Ongoing: ( <i>total no.</i> )	<b>National Post Doctorate Fellowship (NPDF)</b> by Science & Engineering Research Board (SERB-DST) for a period of two years from 01.03.2017 to 28.02.2019. <b>Grant: Rs. 19.8 lakhs</b>
<b>AWARDS &amp; HONOURS/ DISTINCTIONS</b>	<ul style="list-style-type: none"> <li>❖ <b>3<sup>rd</sup> Topper of University</b> during M.Sc. examinations conducted by Department of Chemistry, University of Delhi in 2007</li> <li>❖ Certificate of participation in <b>18<sup>th</sup> Meeting of Nobel Prize Winners in Chemistry</b> at Lindau, Germany, 2006 from <b>Council for Lindau Nobel Laureate Meeting</b></li> <li>❖ Award for participation in the Meeting of Nobel Laureates and Students in Lindau, Germany, 2006 by <b>Department of Science and Technology (DST), Ministry of Science and Technology, Government of India</b></li> <li>❖ <b>3<sup>rd</sup> Topper of Hans Raj College</b> during B.Sc examinations conducted by University of Delhi in 2005</li> <li>❖ <b>2<sup>nd</sup> position</b> (as team) at inter-college <b>Science Aptitude Contest</b> organized for undergraduate students of University of Delhi conducted by <b>Centre for Science Education and Communication (C.S.E.C.)</b> in 2004 to 2005</li> <li>❖ <b>College Colour Award</b> for contribution to the success of Chemistry Plus for the year 2003 to 2004 at <b>Hans Raj College, University of Delhi</b></li> </ul>
<b>MEMBERSHIP</b> with Professional/ Academic bodies	<i>Details: Lindau-DFG Alumni</i>