


## STANDARD TEMPLATE OF FACULTY PROFILE FOR UPLOADING OF UNIVERSITY WEBSITE

Title	Dr	First Name	Leena	Last Name	Khanna	
Designation		Assistant Professor				
School /Dept. Name		USBAS				
Address:		A-3/4B Green Apartments Paschim Vihar New Delhi -63				
Phone No.	Office	01125302416				
	Residence	(optional)				
	Mobile	(optional)				
Email	leenakhanna@ipu.ac.in					
Web Page (if any)	<a href="https://organicmechanism.wordpress.com/">https://organicmechanism.wordpress.com/</a> <a href="https://www.researchgate.net/profile/Leena-Khanna-2">https://www.researchgate.net/profile/Leena-Khanna-2</a>					
Subjects Taught	Chemistry					
Areas of Interest/Specialization	Synthetic Organic Chemistry, Heterocyclic Chemistry, Natural Product Chemistry, Computational Chemistry					
Experience (in years)	Total	16 years				
	Industry	-				
	Teaching	16 years				
	Research	22 years				
Educational Qualifications	UG	B.Sc. Chemistry (H)				
	PG	M.Sc. Organic Chemistry				
	Doctorate	Ph.D. in Organic Chemistry				
	Any other					
Research Publications in Journals (last 5 years)	Details should be provided in APA/IEEE format 1. Diksha, Singh, R. & <b>Khanna, L.</b> (2021). "Glebionis Coronaria (L.) Cass. Ex Spach (Asteraceae)- A New Fabric Dye with Potential Antibacterial Properties." <i>Journal of Indian Chemical Society</i> , 98 (11), 100193, 1-8.					

2. **Khanna, L.**, Mansi; Yadav, S., Misra, N. & Khanna, P (2021). "In Water" Synthesis of Bis(Indolyl)Methanes: A Review." *Synthetic Communication*, **2021**, 51(19), 2892-2923.
3. Singhal, S., Khanna, P., Misra, N. & **Khanna, L.** (2021). "Multitarget Diallyl Disulfides (DADS) against A $\beta$  Aggregation: Screening through Molecular Docking with A $\beta$ <sub>42</sub> & Zn<sup>II</sup>-A $\beta$ <sub>16</sub>, ADME, DFT & Synthetic Strategy." *ChemistrySelect*, 6(17), 4112-4123.
4. Singhal, S., Khanna, P. & **Khanna, L.** (2021). "Synthesis, Comparative *in vitro* Antibacterial, Antioxidant & UV fluorescence studies of bis Indole Schiff bases and Molecular docking with ct-DNA & SARS-CoV-2 M<sup>Pro</sup>." *Luminescence*, 36(6), 1531-1543.
5. **Khanna, L.**, Singhal, S., Jain, S.C & Khanna, P (2020). Spiro-Indole-Coumarin Hybrids: Synthesis, ADME, DFT, NBO Studies and In Silico Screening through Molecular Docking on DNA G-Quadruplex. *ChemistrySelect*, 5(11), 3420-3433.
6. Singhal, S., Khanna, P., Panda, S.S. & **Khanna, L.** (2019). Recent trends in synthesis of benzimidazoles from o-phenylenediamine via nanoparticles and green strategies using transition metal catalysts. *Journal of Heterocyclic Chemistry*, 56, 2702– 2729.
7. Singhal, S., Khanna, P. & **Khanna, L.** (2019). Synthesis, DFT studies, molecular docking, antimicrobial screening and UV fluorescence studies on ct-DNA for novel Schiff bases of 2-(1-aminobenzyl) benzimidazole. *Heliyon*, 5 (10), e02596. doi: 10.1016/j.heliyon.2019.e02596
8. **Khanna, L.**, Khanna, P. & Jain, S.C. (2018). A concise synthesis of 2-alkenyl-3-phenyl-4*H*-chromen-4-ones *via* novel C-C bond formation using sulfone as potential intermediate. *Indian Journal of Chemistry Sec-B*, 57(B), 945-954.
9. Panda, S.S., Girgis, A.S., Prakash, A., **Khanna, L.**, Khanna, P., Shalaby, E.M., Fawzy, N.G. & Jain, S.C. (2018). Protective effects of *Aporosa octandra* bark extract against D-galactose induced cognitive impairment and oxidative stress in mice. *Heliyon*, 4, e00951. doi: 10.1016/j.heliyon.2018.e00951
10. Khanna, P., **Khanna, L.**, S, J., Asiri, A.M. & Panda, S.S (2018). Microwave assisted synthesis of Spiro heterocyclic systems: A review. *Current Organic Chemistry*, **2018**, 22, 67-84, doi: 10.2174/1385272821666170818161517

Papers Published in Conference Proceedings (last 5 years)				
Books Authored/Book Volume Chapters	<p>1. Chapter in book: Graphene-Based Nanomaterial Catalysis, entitled: "Graphene Based Nanomaterials as Catalyst in Reduction Reactions"</p> <p>Author(s): Leena Khanna*, Mansi and Pankaj Khanna</p> <p>Pp: 130-151 (22)</p> <p>Doi: 10.2174/9789815040494122010010</p>			
No. of Conferences	National	Attended	Organized	
		5		
	International	8		
Research Guidance	Awarded	PG	M. Phil	Doctorate
		2		1
	Undergoing	2		3
Research Projects	Completed	6		
	Undergoing	1		
Awards & Distinctions	<ul style="list-style-type: none"> <li>• Best Oral Presentation Award at 'The International Conference on Emerging Trends in Biotechnology', Dec. 14th-16th 2020 Vellore Institute of Technology, Year 2020</li> <li>• Prof. R. P. Mitra Gold Medal for securing 1st position in M.Sc. Chemistry, University of Delhi, Year 2000</li> <li>• Prof. K. B. L. Mathur Gold Medal for highest score in Organic Chemistry in M.Sc. University of Delhi, Year 2000</li> <li>• 2nd Rank in University of Delhi, B.Sc. (H) Chemistry and Topper (Kirori Mal College) Kirori Mal College, University of Delhi, Year 1998</li> <li>• Senior Research Fellowship CSIR, Year 2002</li> </ul>			
Administrative Assignments Handled	<p>(a) Lab-in-Charge</p> <p>(b) Coordinator in Chemistry</p> <p>(c) School Coordinator for U-Focus/Annual Report (2010-2013, 2022)</p> <p>(d) Member of SRC</p> <p>(e) Member of NAAC Committee (2017-2020)</p> <p>(f) Member of Student grievance committee (2014-16)</p> <p>(g) Member of the departmental Ph D admission committee</p> <p>(h) Coordinator of RTI Coordination committee (2009-2013).</p> <p>(i) School Library committee (2009-2010).</p> <p>(j) ISO Coordination committee (2009-2010).</p>			
Association with Professional Bodies	Life member of Chemical Research Society of India.			
Any other Achievements				

