


<b>NAME</b>	<b>Navrinder Kaur</b>		
<b>DESIGNATION</b>	<b>Assistant Professor-III</b>		
<b>EMAIL ID</b>	nkaur1@amity.edu		
<b>CONTACT NUMBER</b>	+91-9220535971		
<b>RESEARCH INTERESTS</b>	Molecular bio-pathology including oncology, inflammatory disorders, metabolic rewiring, models for disease and development (murine and mammalian), drug repurposing		
<b>EDUCATIONAL QUALIFICATIONS:</b>			
Name of College / University		Degree	Year
University of Delhi		B. Sc. (H) Zoology	2003
University of Delhi		M.Sc. BMS	2003-05
University of Delhi		Ph.D. BMS	2005-2012
<b>Title of Ph.D. thesis:</b> “Study of molecular mechanism of action of a novel DNA binding ligand Bisbenzimidazole (DMA): A molecular insight”			
<b>EXPERIENCE (in chronological order)</b>			
Designation	Type of post held (teaching/ research)	Name of the Institute	Year (From – To)
Research Fellow	Research	ASTAR, Singapore	2012-2015
Assistant Professor	Teaching & Research	Central University of Haryana	2015-2017
SERB-DST Young Scientist and Guest Faculty	Teaching & Research	University of Delhi	2016-2019
Senior Research Scientist	Research	Academics & Research Division, Artemis Hospitals, Gurgaon, INDIA	2019-2020

Project Head, Biomedical Division	Research	Deos Labs Pvt. Ltd.	2020-2021
Faculty	Teaching	ICRI, Delhi	2021-2022
Program Manager & Faculty	Teaching & Research	Max Super Specialty Hospitals, Saket, Delhi	2022-2024
Assistant Professor III	Teaching & Research	Amity University, Noida	September 2024- Till Date
No. of Ph.D. students supervised		Awarded: 1	
<b>PUBLICATIONS</b> <i>(mention total no. here)</i>		<ul style="list-style-type: none"> <li>Kaur N, Ranjan A, Tiwari V, Singh Y, Chaturvedi MM, Tandon V. 3,4-Dimethoxyphenyl bis- benzimidazole derivative, mitigates radiation-induced DNA damage. <i>Radiation Research</i> 2013; 179(6):647-62.</li> <li>Ingham P, Wang X, Wang H, Kaur N, Mathavan S, Fowler S, Weiser T, Cohen S, McGinnis C. A novel zebrafish model to predict organ toxicities in mammals. <i>Toxicology Letters</i> 2013; 221:S233.</li> <li>Kamran MZ, Ranjan A, Kaur N, Sur S, Tandon V. Radioprotective Agents: Strategies and Translational Advances. <i>Medicinal Research Reviews</i> 2016; 36(3):461-93.</li> <li>Parkash B, Ranjan A, Tiwari V, Gupta SK, Kaur N, Tandon V. Inhibition of 5'-UTR RNA conformational switching in HIV-1 using antisense PNAs. <i>PLoS One</i> 2012; 7(11):e49310.</li> <li>Sur S, Singh N, Kaur N, Ranjan A, Parkash B, Chandra R, and Tandon V. Identification of SFPQ as novel interacting partner of HIV-1 Integrase and its functional characterization. <i>BMC Infect Dis.</i> 2012; 12(Suppl 1): P80.</li> <li>Laveti D, Kumar M, Hemalatha R, Sistla R, Naidu VG, Talla V, Verma V, Kaur N, Nagpal R. Anti- inflammatory treatments for chronic diseases: a review. <i>Inflammation Allergy and Drug Targets</i> 2013; 12(5):349-61.</li> <li>Kumar M, Nagpal R, Verma V, Kumar A, Kaur N, Hemalatha R, Gautam SK, Singh B. Probiotic metabolites as epigenetic targets in the prevention of colon cancer. <i>Nutrition Reviews</i> 2013; 71(1):23- 34.</li> <li>Kaur N, Chugh H, Sakharkar MK, Dass S, Chandra R. Cinnamon Attenuates Adiposity and Affects the Expression of Metabolic Genes in Diet-Induced Obesity Model of Zebrafish. <i>Artificial Cells Nanomed Biotech.</i> 2019; 47(1):2930-2939.</li> <li>Chugh H, Kumar P, Sood D, Kaur N, Tomar V, Chandra R. Interaction of Noscaphine with Human Serum Albumin:</li> </ul>	

	<p>Spectroscopic and Molecular Modelling Approach. <i>Journal of Photochemistry and Photobiology</i> 2019; 372, 168-176.</p> <ul style="list-style-type: none"> <li>• Kaur N, Chugh H, Sakharkar MK, Saravana BC, Chandra R. Neuroinflammation Mechanisms and Phytotherapeutic Intervention: A Systematic Review. <i>ACS Chem. Neurosci.</i> 2020; 22, 3707– 373.</li> <li>• Kaur N, Saini A, Walia A, Saxena R, Mathur P, Jha V. (2023) The Role of Tumor Suppressor Gene Epigenetic Regulation in the Prognosis of Chemotherapy Resistance and Aggressiveness of Breast and Lung Cancer. <i>Adv Clin Med Res.</i> 4(3):1-17.</li> <li>• Kaur N, Saini A, Sharma RK, Saxena R, Jha V. 2023. “Multimorbidity and Cardiovascular diseases- A burden on Low-income regions”. <i>The Brief of Cardiac Sciences, Wolters Kluwer.</i></li> <li>• Kaur N, Saini A, Saxena R, Jha V. 2023. “Burgeoning Role of AI and ML in Precision and Translational Cardiovascular Medicine. <i>The Brief of Cardiac Sciences, Nova Science Publishers.</i></li> </ul>
<b>PATENTS</b> ( <i>total no.</i> )	<b>Details:</b> <i>One provisional patent filed</i>
<b>RESEARCH PROJECTS</b> Completed: ( <i>total no.</i> ) Ongoing: ( <i>total no.</i> )	<b>Details:</b> <b>Completed - 02</b> <b>Ongoing - Under review</b>
<b>AWARDS &amp; HONOURS/ DISTINCTIONS</b>	<ul style="list-style-type: none"> <li>• Clinical Trials Day Award 2023 for Outstanding Contribution and Achievements in Clinical Research by Max Super Specialty Hospitals, INDIA.</li> <li>• Best Oral Presentation Awarded at International Conference on Emerging Trends in Drug Discovery and Natural Products, University of Delhi, January 2018.</li> <li>• Qualified CSIR NET Scholarship (2005) to pursue a PhD in Biological and Biomedical Sciences at University of Delhi, INDIA</li> <li>• Qualified by graduating with Academic Excellence Award merit (2004) and ranking 7th among Zoology majors at University of Delhi, INDIA</li> <li>• Selected for Germany Visit under the Indo-German (DST-DAAD) joint Research Project 2010 entitled “Validation and testing of novel bis-benzimidazole derivatives as modulators of radiation response in human cells” at the Institute for Medical Radiation Biology, Essen, Germany.</li> </ul>

<p><b>MEMBERSHIP</b> with Professional/ Academic bodies</p>	<ul style="list-style-type: none"> <li>• Invited Member, Trialect Incorporation, USA</li> <li>• Life Member, Indian Society for Cell Biology</li> <li>• Invited Member, Council of Asian Science Editors, Dubai, UAE</li> <li>• Member, The Gut Microbiota and Probiotic Science Foundation of India</li> <li>• Member, Editorial Board, Journal of Biotechnology Science Research</li> <li>• Reviewer, Journal of Technological Advances and Scientific Research</li> <li>• Reviewer, Journal of Internal Medicine</li> </ul>
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	<ul style="list-style-type: none"> <li>• Member, Programme Advisory Committee, Plant Sciences , Department of Science and Technology</li> <li>• Member, Programme Advisory Committee, National Gene Bank and Medicinal Plants, Department of Biotechnology</li> <li>• Member, Research Advisory Committee, UPASI Tea Research Foundation, Valaparai, Coimbatore</li> <li>• Consultant, Tata Energy Research Institute</li> <li>• Member , Board of Studies in many Universities</li> <li>• Member, Moniteering Committee of Scientific Bodies of Department of Biotechnology</li> <li>• Editor, in two International Scientific Journals</li> </ul>
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