STANDARD TEMPLATE OF FACULTY PROFILE FOR UPLOADING OF UNIVERSITY WEBSITE

Title	Dr	First Name	Nimisha	Last Name	Sharma	
Designation		Professor				
School /Dept. Name		University School of Biotechnology				
Address:		Room no. AFR-203, University School of Biotechnology, Guru Gobind Singh Indraprastha University, Sector 16C, Dwarka, New Delhi 110078.				
Phone No.		Office	011-25302314			
		Residence	(optional)			
		Mobile	(optional)			
Email		1. nimisha@ipu.ac.in		2. nimishaphd@gmail.com		
Web Page (if any)		N/A				
Subjects Taught		Introduction to Biotechnology, Molecular Biology, Recombinant DNA Technology, Genomics, Advances in Molecular Biology and Functional Genomics				
Areas of Interest/Specialization		The research interests of our laboratory include gene expression and regulation in eukaryotic cells as well as functional genomics. Wide array of approaches are employed to identify conserved and new components of different cellular machineries regulating biological processes in yeasts and other higher eukaryotic organisms.				
Experience (in years)		Total	~22 years			
		Industry	~3.5 months			
		Teaching	~18 years			
		Research	~22 years			
Educational Qualifications		UG	B.Sc. (Hons.) (University of Delhi)			
		PG	M.Sc. (Jawaharlal Nehru University, New Delhi)			
		Doctorate	Ph.D (Indian Institute of Science, Bangalore)			
		Any other				

Research Publications in Journals (last 5 years)	❖ Kumari Sweta, Preeti Dabas, **Nimisha Sharma** "Sequence, structural and functional conservation among the human and fission yeast ELL and EAF transcription elongation factors." Mol. Biol. Rep. (2021) Accepted (https://doi.org/10.1007/s11033-021-06958-x) ❖ Preeti Dabas, Yukti Dhingra, Kumari Sweta, Mohima Chakrabarty, Ritwik Singhal, Prasidhi Tyagi, Pabitra Mohan Behera, Anshuman Dixit, Saikat Bhattacharjee, **Nimisha Sharma** "*Arabidopsis thaliana* possesses two novel ELL Associated Factor (EAF) Homologs". IUBMB Life (2021) **73**:1115-1130. ❖ Vaibhav Bhardwaj, Poonam Vishwakarma, Andrew Lynn, **Nimisha Sharma** "Deletion of the non-essential Rpb9 subunit of RNA polymerase II results in pleiotropic phenotypes in *Schizosaccharomyces pombe*". Biochim Biophys Acta Proteins Proteom. (2021) **1869**(7):140654. ❖ Kumari Sweta, **Nimisha Sharma** "Functional interaction between ELL transcription elongation factor and Epe1 reveals role of Epe1 in regulation of transcription outside heterochromatin". Mol. Microbiol. (2021), **116**:80-96. ❖ Kumar D, Varshney, S, Sengupta, S, **Sharma,** N "A comparative study of the proteome regulated by the Rpb4 and Rpb7 subunits of RNA polymerase II in fission yeast". J. Proteomics (2019), **199**: 77-88. ❖ Kumar D, **Sharma N** "Genome-wide transcriptional response to altered levels of the Rpb7 subunit of RNA polymerase II identifies its role in DNA damage response in Schizosaccharomyces pombe". FEMS Yeast Res. (2019), **19**: (1), foy118. ❖ Gopalan S, Gibbon DM, Banks CAS, Zhang Y, Florens LA, Washburn MP, Dabas P, **Sharma N**, Seidel CW, Conaway RC, Conaway JW "Schizosaccharomyces pombe Pol II transcription elongation factor ELL functions as part of a rudimentary super elongation complex". Nucleic Acids Res. (2018), **46**:10095-10105. ❖ Dabas P, Sweta K, Ekka M, **Sharma N** "Structure Function Characterization of the ELL Associated Factor (EAF) from *Schizosaccharomyces pombe"*. Gene. (2018), **641**:117-128. ❖ Sweta K, Dabas P, Jain K, **Sharma N** "The amino-terminal domain of ELL transcription elongation factor is essential for ELL function in Schizosaccharomyces pombe." Microbiology, SGM (2017), **163**:1641-1653.

Papers Published in Conference Proceedings (last 5 years)	Nil
Books Authored/Book Volume Chapters	❖ Preeti Dabas, Deepak Kumar, **Nimisha Sharma** "Yeast genetics as a powerful tool to study human diseases" in a book titled "Yeast diversity for human welfare" Editors- Satyanarayana and Kunze, Springer (publisher), (2017). ❖ **Nimisha Sharma** and Surbhi Mehta "A Comparative study of the RNA polymerase II transcription machinery in yeasts" in a book- "Yeast

<table>
<tr><td></td><td colspan="4">Biotechnology: Diversity and Applications of yeasts", Editors- Satyanarayana and Kunze, Springer (publisher), (2009).

❖ Nimisha Sharma "Recombinant DNA Technology" in "A textbook of Biotechnology" published by Central Board of Secondary Education (CBSE) for class XII (2003).

❖ Contributed experimental guidelines in a textbook titled "A laboratory Manual of Biotechnology" published by CBSE for class XII (2003).

❖ Nimisha Sharma "From Gene to protein, Replication Of DNA, Transcription, Translation, Regulation of Gene Expression in Prokaryotes and Eukaryotes, Cell division and Cell cycle" in "A textbook of Biotechnology" published by CBSE for class XI (2002).

❖ Contributed experimental guidelines in "A laboratory manual of Biotechnology" published by CBSE for class XI (2002).</td></tr>
<tr><td rowspan="3">No. of Conferences</td><td rowspan="2">National</td><td colspan="2">Attended</td><td>Organized</td></tr>
<tr><td colspan="2">05</td><td>Nil</td></tr>
<tr><td>International</td><td colspan="2">05</td><td>01</td></tr>
<tr><td rowspan="3">Research Guidance</td><td rowspan="2">Awarded</td><td>PG</td><td>M. Phil</td><td>Doctorate</td></tr>
<tr><td>08</td><td>-</td><td>04</td></tr>
<tr><td>Undergoing</td><td>02</td><td>-</td><td>04</td></tr>
<tr><td rowspan="2">Research Projects</td><td>Completed</td><td colspan="3">12</td></tr>
<tr><td>Undergoing</td><td colspan="3">03</td></tr>
<tr><td>Awards & Distinctions</td><td colspan="4">❖ "Indo-US Visiting Research Professorship" by American Society of Microbiology and Indo-US Science and Technology Forum (2017).

❖ "BOYSCAST FELLOWSHIP" (Better Opportunities for Young Scientists in Chosen Areas of Science and Technology) by Department of Science and Technology, Govt. of India (2005).

❖ "Young Teachers Career Award" by All India Council for Technical Education, New Delhi, India (2003).

❖ Senior Research Fellowship from Council for Scientific and Industrial Research and University Grants Commission, Government of India (1997-2000).

❖ Junior Research Fellowship from Council of Scientific and Industrial Research and University Grants Commission, India (1995-1997).

❖ University Second Position in M.Sc. Biotechnology (1995).</td></tr>
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	❖ Scholarship from the Department of Biotechnology, India (1993-1995). ❖ University Sixth Position in B.Sc (Hons.) Biochemistry (1993).
Administrative Assignments Handled	❖ **Associate Director**, Directorate of Research and Consultancy, G.G.S. Indraprastha University, 2019-present. ❖ **Academic Council Member**, G.G.S. Indraprastha University, 2018-2021. ❖ **Associate Director**, Directorate of Students' Welfare, G.G.S. Indraprastha University, 2012-2018. ❖ **Alumni Coordinator**, University School of Biotechnology, G.G.S. Indraprastha University, 2012-2020. ❖ Member, University Task force on 'Consortium for Academic Research Ethics (CARE)', 2020. ❖ Member, University Committee for compiling the book '21 years of IPU'. ❖ Member, University Residence Allotment Committee, 2014-2018.
Association with Professional Bodies	❖ Life Member, Society of Biological Chemists. ❖ Life Member, Association of Microbiologists of India. ❖ Member, American Society of Microbiology, 2016. ❖ Member, American Society of Hematology, 2008-2009. ❖ Member, Society of Scientific Values, 2005-2006
Any other Achievements	