

STANDARD TEMPLATE OF FACULTY PROFILE FOR UPLOADING OF UNIVERSITY WEBSITE

Title	Dr.	First Name	Meenu	Last Name	KAPOOR	
Designation		Professor and Dean				
School /Dept. Name		University School of Biotechnology				
Address:		AFR-106, University school of Biotechnology GGS Indraprastha University, Sector 16-C, Dwarka New Delhi-110078				
Phone No.		Office	011-25302310			
		Residence	(optional)			
		Mobile	(optional)			
Email		1. meenukapoor@ipu.ac.in		2. meenukapoor@me.com		
Web Page (if any)						
Subjects Taught		B.Tech. Biotechnology <ul style="list-style-type: none"> • Molecular Biology • Recombinant DNA Technology and its applications • Foundation Course in Biology M.Tech. Biotechnology <ul style="list-style-type: none"> • Epigenomics Ph.D. Biotechnology <ul style="list-style-type: none"> • Advanced Molecular Biology 				
Areas of Interest/Specialization		Plant Molecular Biology, Evolution, Epigenomics, Functional Genomics				
Experience (in years)		Total	18 years			
		Industry				
		Teaching	18 years			
		Research	>30 years			
Educational Qualifications		UG	University of Delhi, Miranda House, 1989			
		PG	University of Delhi, South Campus, 1991			
		Doctorate	Nagoya University, JAPAN, 1997			
		Any other				

Research
Publications in
Journals
(last 5 years)

1. Boora N, Verma V, Khurana R, Gawande G, Bhimrajka S, Chaprana K, Kapoor M, Kapoor S (2021) Determination of Tripartite Interaction between Two Monomers of a MADS-box Transcription Factor and a Calcium Sensor Protein by BiFC-FRET-FLIM Assay. *Journal of Visualized Experiments*. DOI: 10.3791/62791-v
2. **Kapoor M.**, Duckett J.G. , Rensing S.A. and Goffinet B. (2021). Editorial: Highlights of IAB IMOSS SEB 2019 Joint Conference **Frontiers in Plant Sciences** 20th May 2021: <https://doi.org/10.3389/fpls.2021.694765>. (IF 5.7, Cite score 8.2)
3. Tyagi V, Parihar V, Singh D, Kapoor S and **Kapoor M** (2021). The DEAD-box RNA Helicase eIF4A Interacts with the SWI2/SNF2-related Chromatin Remodelling ATPase DDM1 in the Moss *Physcomitrella*. **Biochimica et Biophysica Acta - Proteins and Proteomics**. (In Press; IF 2.371, Cite score 5.2).
4. Singh D, Yadav R, Kaushik S, Wadhwa N, Kapoor S and **Kapoor M** (2020). Transcriptome Analysis of *ppdnmt2* and Identification of Superoxide Dismutase as a Novel Interactor of DNMT2 in the Moss *Physcomitrella patens*. **Frontiers in Plant Sciences**, Volume 11, doi: 10.3389/fpls.2020.01185 (IF 5.7, Cite score 8.2)
5. Tyagi V, Parihar V, Malik G, Kalra V, Kapoor S and **Kapoor M** (2020) The DEAD-box RNA helicase eIF4A Regulates Plant Development and Interacts with the hnRNP LIF2L1 in *Physcomitrella patens*. **Molecular Genetics and Genomics** 295: 373-389 (IF 2.79)
6. Parihar V, Dangwal M, Arya D, Kapoor S, **Kapoor M** (2019) Decrease in DNA Methylation 1 interacts with chromomethylase and like heterochromatin protein 1 in *Physcomitrella patens*. **FEBS Lett.** 593:2686-2697 (IF 3.057).
7. Parihar V, Arya D, Walia A, Tyagi V, Dangwal M, Verma V, Khurana R, Boora N, Kapoor S, **Kapoor M** (2019) Functional characterization of LIKE HETEROCHROMATIN PROTEIN 1 in the moss *Physcomitrella patens*: its conserved protein interactions in land plants, **The Plant J.** 97:221-239 (Cover page image; IF 6.8).
8. Sirohi G, Khandelwal A and **Kapoor M** (2019) High-throughput sequencing and differential expression analysis of miRNAs in response to Brassinosteroid treatment in *Arabidopsis thaliana*. **Functional & Integrative Genomics** 19:597-615 (IF 3.4).
9. Chawla M, Verma V, **Kapoor M** and Kapoor S (2017) A novel application of periodic acid-Schiff (PAS) staining and fluorescence imaging for analysing tapetum and microspore development. **Histochem Cell Biol.** 147:103-110 (IF 3.57).
10. Arya D, Kapoor S and **Kapoor M** (2016) *Physcomitrella patens* DNA Methyltransferase 2 is Required for Recovery from Salt and Osmotic Stress. **FEBS J.** 283:556-570 (IF 4.3).
11. Malik, G, Dangwal M, Kapoor S and **Kapoor M** (2012) Role of DNA methylation in growth and differentiation in *Physcomitrella patens* and characterization of cytosine DNA methyltransferase gene family. **FEBS J** (Cover page image; IF 4.3).

Books Authored/Book Volume Chapters	Sirohi G and Kapoor M (2020) Brassinosteroids in Lowering Abiotic Stress-mediated Damages. In Protective Chemical Agents in the Amelioration of Plant Abiotic Stress: Biochemical and Molecular Perspectives (Roychoudhury A and Tripathi DK eds). Wiley Blackwell, ISBN: 978-1-119-55165-2			
No. of Conferences	National	Attended		Organized
		13 (Thirteen)		
	International	20 (Twenty)		
Research Guidance	Awarded	PG	M. Phil	Doctorate
		>20		5 (Five)
	Undergoing	1 (One)		5 (Five)
Research Projects	Completed	15 (Fifteen)		
	Undergoing	4 (Four) (SERB-POWER, CSIR, DBT, GGSIPU FRGS)		
Awards & Distinctions	<p>Elected fellow of National Academy of Sciences, Allahabad</p> <p>Awarded Dr. P. Sheel Memorial (Young Woman Scientist) Lecture Award from National Academy of Sciences (NASI), India.</p>			
Administrative Assignments Handled	<ul style="list-style-type: none"> • Dean, University School of Biotechnology August 2021-to present • Member, Academic Council GGSIPU (2008-2011; 2015-2018) • Faculty in-charge University Day Care Center 2012-to present. • Coordinator, M.Tech. (Food Processing and Technology), University School of Biotechnology (2015-2016). • Member of the core team for Organizing Indraprastha International Conference on Biotechnology (IICB-2013) 22-25 October, 2013 at GGSIPU. • Member, committee constituted for updating profile of the university, preparing evaluative reports and making preparations for the visit of NAAC team for Re-accreditation of the university (April, 2013) • Participated in Organization of International Conference on Academic Libraries (ICAL-2013) at GGSIPU as member of Logistics, IT Application and Floor management team (February, 2013) • Member Students Grievances Committee, University School of Biotechnology (2012) • Faculty-In charge, Facilities for Women funded by UGC (Day Care Center and Women's Gymnasium) 2012 • Member Anti-ragging Squad of GGSIPU (2011, 2012, 2013; 2019) • Member, Steering committee constituted for preparation of NAAC report for GGSIPU (2012) • Member, University Complaints Committee (2007-2012) 			

	<ul style="list-style-type: none"> • Convener, Joint Inspection of Affiliated Institutes, JAC (2007, 2008, 2012) • Member, Organizing committee for Annual Convocation (GGSIPU-2007, 2008, 2009, 2010, 2011, 2012, 2015; 2017; 2019) • Member, Institutional Biosafety Committee (IBSC), GGSIPU. (2008-till date). • Convener, Academic Audit cell (2009, 2011, 2012, 2015) • Member, Core team for Organizing Annual Cultural Festival of GGSIPU- Anugoonj (2011) • Center Superintendent for conducting End term examinations of University School of Studies, (2010, 2011) • Member, Indraprastha Centre for Women Studies (IPCWS) Committee • Member, Committee constituted to look into criteria for grant of child-care leave (2009). • U-Focus (A Tri–Annual Newsletter of the University) coordinator for University School of Biotechnology (2008) • Protocol officer during visit of NAAC team (2007) • Center Superintendent, Spot Evaluation Center (2006, 2009). • Admission officer for USBT (2005) • Observer for conduct of CET examination 2006 onwards.
<p>Association with Professional Bodies</p>	<p>Member, International Association of Bryologists (IAB)</p> <p>Member, American Society of Plant Biologists (ASPB)</p> <p>Member, European Plant Science Organization (EPSO)</p> <p>Founder member, The International Molecular Moss Science Society (iMoss)</p> <p>Life member, The Indian Botanical Society</p>
<p>Any other Achievements</p>	<ul style="list-style-type: none"> • 2021- Associate Editor for Plant Genetics for Molecular Genetics and Genomics (MGG). MGG is the First Journal on Genetics, founded in 1908 and publishes peer-reviewed articles covering all areas of genetics and genomics. Electronic ISSN 1617-4623; Print ISSN 1617-4615. Springer-Verlag GmbH Germany, part of Springer Nature • 2021- Review Editor on the Editorial Board of Plant Physiology (specialty section of Frontiers in Physiology and Frontiers in Plant Science). Frontiers is a leading Open Access Publisher and Open Science Platform. Frontiers Media SA, Avenue du Tribunal Fédéral 34 1005 Lausanne, Switzerland • Ad hoc peer-reviewer for research articles in Plant Molecular Biology Reporter (PMBR), Journal of Genetics (JGEN), Physiology and Molecular Biology of Plants (PMBP), FEBS J, Planta, Journal of Biotechnology, Journal of Plant Biochemistry and Biotechnology

	<p>(JPBB), Acta Physiologiae Plantarum</p> <ul style="list-style-type: none">• Ad hoc grant proposal reviewer for National Science Foundation (NSF, United States), National Science Center (Krakow, Poland), Department of Science and Technology (DST), Government of India, Department of Biotechnology (DBT), Government of India).• On the panel of Biotechnology experts for evaluation of proposals received under the Quality Improvement Scheme (AQIS) of All India Council for Technical Education (AICTE); Member, Sub Expert Committee, Scheme for Young Scientists and Technologists (SYST), DST.• Delivered a lecture (as Resource Person) in the 25th Refresher Course in Life Sciences & Biotechnology through online mode organized by HRDC-JNU on 05.01.2021• Delivered a lecture (as Resource Person) in the E-FDP "Beyond Boundaries : Reinventing Higher Education Paradigm organised by University School of Management Studies GGSIPU on the topic: "Impelling research productivity and impact through global collaboration" on March 10, 2021.
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