




## Faculty Details



Title	Dr	First Name	Geetika	Last Name	Kalra	Photograph
Designation		<b>Associate Professor</b>				
Address		<b>B-408, Ram Vihar Apartments; Sector 30 Noida Gautam Buddha Nagar UP</b>				
Phone No Office		<b>9891165596</b>				
Email/ Web-Page		<b>geetikakalra@andc.du.ac.in</b>				
Educational Qualifications						
Degree		Institution			Year	
B.Sc (H) Botany		Zakir Hussain College; University of Delhi			1987	
M.Sc (Botany)		Department of Botany; University of Delhi			1989	
M.Phil		Department of Botany, University of Delhi			1990	
Ph.D in Botany		Department of Botany; University of Delhi			1996	
Career Profile						
Administrative Assignments						
<ul style="list-style-type: none"><li>• Part of Botanical excursions: Shillong (2005); Shimla(2006); Pachmarhi(2008); Tirthan(2010); CIMAP Lucknow (2011); Mukteshwar (2021)</li><li>• Academic Coordinator: English Language Proficiency Course 2009-2010.</li><li>• Program Officer NSS 2016-2018</li><li>• Convenor: Annual events cultural committee 2012-2014; 2018-2020, 2020-2022</li><li>• Convenor: Sashakt Society for women 2020-2022</li><li>• Foreign Language course coordinator 2018-till date</li><li>• Currently Convenor of Counseling and mentoring committee</li><li>• Secretary, Staff council 2022-2024</li></ul>						
Areas of Interest / Specialization						
<ul style="list-style-type: none"><li>• Plant Physiology and Metabolism;</li></ul>						

- Cell communication and signaling;
- Plant Biodiversity

#### Subjects Taught

- Archegoniate;
- Plant Physiology;
- Plant Metabolism;
- Cell and Molecular Biology;

#### Research Guidance

Innovation Project 2014-2015 from University of Delhi

#### Publications Profile

1. Trifluoperazine (TFP)-mediated fluorescence imaging approach reveals a probable calmodulin (CaM)-independent calcium signaling accompanying differential protein phosphorylation in NaCl-stressed sunflower seedlings (*Helianthus annuus* L. var. KBSH44); Soumya Mukherjee, **Geetika Kalra**, Satish C. Bhatla. (2022) South African Journal of Botany Volume 150, 596-606.
2. Evaluation of stigma receptivity and its properties in *Helianthus annuus* L. (Asteraceae) B. Sharma, **G. Kalra**, H. Verma (2022) Research Article Vegetos
3. Signaling mechanisms and biochemical pathways regulating pollen-stigma interaction, seed development and seedling growth in sunflower under salt stress. Satish C. Bhatla, Mansi Gogna, Prachi Jain, Neha Singh, Soumya Mukherjee and Geetika Kalra (2021) Plant Signaling and Behavior, <https://doi.org/10.1080/15592324.2021.1958129>.
4. Bhatla S.C. and Kalra Geetika (2004) Imaging of calcium channels during polarity induction in plant cells. *Biologia plantarum* 48(3): 327-332.
5. Kalra, Geetika and Bhatla, S.C. (1999) Expression of soluble polypeptides during auxin modulated rooting in Sunflower (*Helianthus annuus* L.) *Indian J. Plant Physiology* 4(1): 36-39
6. Kalra, Geetika and Bhatla, S.C. (1998) Distribution of membrane bound calcium and activated calmodulin in cultured protoplasts of sunflower (*Helianthus annuus* L.) *Current Science* 76(12): 1580-1584.
7. Kalra, Geetika and Bhatla S.C. (1998) Auxin-calcium interaction in adventitious root formation in the hypocotyl explants of sunflower (*Helianthus annuus*.L.) *J. Plant Biochem. Biotech.* 7: 107-110.
8. Kalra, Geetika and Bhatla S.C.(1996). Auxin/Ethlene interaction in adventitious rooting

and related changes in anodic peroxidase isozymes in sunflower hypocotyls. J. Plant Biochem. Biotech. 5: 37-41

#### Conference / Presentations /Workshops

1. One week online faculty development program on “Advanced Technologies in Life Sciences” February 6<sup>th</sup> -February 11<sup>th</sup> 2023.
2. Resource person in three day workshop “Learning Science- The Do it yourself way” July 17-19, 2019
3. Participated and chaired a session at International e-conference on “ Mitigating environmental issues by sustainable approaches (ICMCESA-2022) at Acharya Narendra Dev College, 22<sup>nd</sup>-28<sup>th</sup> February 2022.
4. 7<sup>th</sup> Annual International conference: Modulating the Environment with Microbes November 8 to 11<sup>th</sup> 2022
5. 3<sup>rd</sup> International symposium on Ciliate Biology (ISCB-2022) Chaired the session
6. Workshop on “ Re-imagining NSS as a fifth space organized by Pravah 12<sup>th</sup> -13<sup>th</sup> November 2017.
7. Oral paper presentation entitled ‘ Biochemical regulation of adventitious root formation in sunflower’ At National seminar on “ New frontiers in plant sciences and biotechnology organized by UGC-SAP, Department of Botany, Goa University, Goa: 29<sup>th</sup> -30<sup>th</sup> January 2015.
8. Participated in “International symposium on Plant Signaling Behavior” at Department of Botany, University of Delhi: 7<sup>th</sup> -10<sup>th</sup> March, 2014.

#### Research Projects (Major Grants/Research Collaboration)

#### Awards and Distinctions

#### Association With Professional Bodies

#### Other Activities

1. Worked in capacity of External examiner at different colleges for conducting practical examinations and in evaluation process of the University.
2. Setting of question papers as assigned by the University.
3. I had been member of core committee (botany) for framing the courses outlines for Botany stream under FYUP.
4. Contributed in developing the course content of DSC paper entitled “Plant Metabolism

“for NEP2022

5. Contributed in developing the course content of B.Sc.(Program) for paper entitled “Plant Physiology and Metabolism” NEP 2022.
6. Prepared the course content for GE paper entitled “ Intelligent Systems in Plants” NEP 2022.

Signature of Faculty Member

- You are also requested to also give your complete resume as a DOC and PDF file to be attached as a link on your faculty page.