

CURRICULUM VITAE

1. Name: Dr. Ridhi Khurana
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4. Institution: Hansraj College, University of Delhi
5. Academic Qualification:
 - a. 2022: Ph.D. in Plant Molecular Biology, Department of Plant Molecular Biology, University of Delhi, Delhi
 - b. 2013: M.Sc. Plant Biotechnology, TERI School of Advanced Studies, Delhi
 - c. 2011: B.Sc. (Hons.) Botany, Sri Venkateswara College, University of Delhi
 - d. 2008: Higher Secondary education, Modern School Barakhamba Road, New Delhi (CBSE board)
6. Work Experience:
 - a. 2022-present: Assistant Professor, Department of Botany, Hansraj College, University of Delhi, Delhi
 - b. 2022: Post-Doctoral Researcher, School of Computational and Integrative Sciences, Jawaharlal Nehru University, New Delhi
7. Professional Recognition/Award/Prize/Certificate, Fellowship:
 - a. Won the **Best Poster Award 2020** for, “Upstream and Downstream Regulatory Elements Influence the Transcription of OsMADS29, a Seed-Specific MADS-Box Transcription Factor in Rice”, at the National Symposium on Trends in Biotechnology and Agriculture and the 41st Annual Meeting of the Plant Tissue Culture Association of India at the Thapar Institute of Engineering and Technology, Patiala, Punjab, India from 6-8 February, 2020.
 - b. Won the **Best Poster Award 2019** for, “Insights into the Transcriptional Regulation of a Seed-Specific Transcription Factor, OsMADS29, in Rice”, at the International Conference on Genomics and Breeding for Crop Improvement at Department of Genetics and Plant Breeding, Chaudhary Charan Singh University, Meerut, Uttar Pradesh, India from 4-6 December, 2019.
 - c. GATE (Biotechnology) qualified **2016**.
 - d. Won the **Best Poster Award 2015** for, “Effects of Auxins and other hormones on rice OsMADS29 expression”, at the 3rd International Plant Physiology Congress at New Delhi, India from 11-14 December, 2015.
8. Peer Reviewed Publications:
 - a. Boora N, **Khurana R**, Verma V, Kapoor M, and Kapoor S. The interaction network of a rice seed-specific transcription factor OsMADS29 and the calcium sensors, calmodulin, and calmodulin-like proteins. **The FEBS Journal**. **2026**:febs.70644.

- b. Singhal C, Singh A, **Khurana R**, Sharma AK, and Khurana P. Genome-Wide Analysis and Functional Characterization of MiARF13 Reveal Its Role in Coordinating Growth and Stress Resilience in Mulberry (*Morus indica*). **J Plant Growth Regul.** **2026**.
 - c. Verma, V.; Boora, N.; Nayar, S.; Kumar, G.; Thapliyal, S.; Ankur; **Khurana, R.**; Gawande, G.; Kapoor, M.; Kapoor, S. Ca²⁺-Calmodulin Regulates Nuclear Translocation of the Rice Seed-specific MADS -box Transcription Factor OsMADS29. **The FEBS Journal** **2023**, febs.16767.
 - d. **Khurana, R.**, Bhimrajka, S., Sivakrishna Rao, G., Verma, V., Boora, N., Gawande, G., Kapoor, M., Rao, K.V., and Kapoor, S. (2022). Characterization of Transcription Regulatory Domains of OsMADS29: Identification of Proximal Auxin-Responsive Domains and a Strong Distal Negative Element. **Front. Plant Sci.** 13: 850956.
 - e. Boora, Neelima; Verma, Vibha; **Khurana, Ridhi**; Gawande, Gautam; Bhimrajka, Sanchi; Chaprana, Komal; Kapoor, Meenu; Kapoor, Sanjay. Determination of Tripartite Interaction between Two Monomers of a MADS-box Transcription Factor and a Calcium Sensor Protein by BiFC-FRET-FLIM Assay. **JoVE** (2021).
 - f. Parihar, Vimala; Arya, Deepshikha; Walia, Akanksha; Tyagi, Vidhi; Dangwal, Meenakshi; Verma, Vibha; **Khurana, Ridhi**; Boora, Neelima; Kapoor, Sanjay; Kapoor, Meenu. Functional characterization of LIKE HETEROCHROMATIN PROTEIN 1 in the moss *Physcomitrella patens*: its conserved protein interactions in land plants. **The Plant Journal** (2019). 97-2, 221-239.
 - g. Kapoor, Sanjay; Verma, Vibha; Boora, Neelima; **Khurana, Ridhi**. Insights into the Molecular Mechanisms of MADS29, A Major Regulator of Seed Development in Rice.ON BASIC RESEARCH–IT’S ROLE IN NATIONAL DEVELOPMENT 87TH ANNUAL SESSION OF NASI 8TH-10TH DEC 2017 (2018) 93. **Proceedings of the National Academy of Sciences, India, Section B**.
9. Books/Reports/Chapters/General Articles etc.:
- a. Mishra, R., **Khurana, R.**, Mohanty, A., Agarwal, P. (2024). Emerging Threats to Mountain Ecosystem Services Under Changing Climate. In: Tripathi, S., Bhadouria, R., Garkoti, S.C. (eds) *Warming Mountains*. Springer, Cham. https://doi.org/10.1007/978-3-031-62197-0_2