

CURRICULUM VITAE

Name : **Dr. Ridhi Khurana**
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Academic Qualifications

2017-2022 **Ph.D. in Plant Molecular Biology** from University of Delhi South Campus. Thesis titled, "Analysis of Factors Contributing to Transcriptional Regulation of OsMADS29 Expression and Interaction of MADS29 with Calmodulin-like Proteins", submitted to University of Delhi on March 14, 2022 and defended in an open viva voce examination on May 19, 2022.

2011-2013 **M.Sc. Plant Biotechnology** from TERI School of Advanced Studies, Vasant Kunj, New Delhi.

2008-2011 **B.Sc. (Hons.) Botany** from Sri Venkateswara College, University of Delhi.

1995-2008 Schooling from Modern School Barakhamba Road, New Delhi, affiliated to CBSE.

Publications

1. **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. (*Impact factor: 5.75*)
2. 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). (*Impact factor: 1.4*)
3. 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. (*Impact factor: 6.141*)
4. 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. (*Impact factor: 0.396*)

Achievements

1. Qualified Graduate Aptitude Test in Engineering, **GATE 2016 (AIR 437)**.
2. 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.
3. 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.
4. 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.
5. **Best Speaker Award** in the Ph.D. student category at the 30th Annual Symposium at the Department of Plant Molecular Biology, University of Delhi South Campus, New Delhi, India from 21-22 March 2018.

Professional Training and Experience

1. **Post-doctoral researcher** in laboratory of Prof. Mukesh Jain, School of Computational and Integrative Sciences, Jawaharlal Nehru University, New Delhi-110067. INDIA, from June 2022 – Present.
2. **Junior Research Fellow** in laboratory of Dr. Sanjay Kapoor, Department of Plant Molecular Biology and Biotechnology, University of Delhi, South Campus, from April 2016- January 2017. Worked on functional genomics aspects regarding seed development in rice.
3. **M.Sc. Dissertation** in laboratory of Prof. Sanjay Kapoor, Department of Plant Molecular Biology and Biotechnology, University of Delhi, South Campus, from December 2012 to June 2013 on the Validation of protein-protein interaction among a selected set of putative MADS box interactors by yeast-two-hybrid technique.