

Name: **Dr. REEMA MISHRA**

Maiden name: **Dr. REEMA KHURANA**

Designation: Assistant Professor

Educational Qualifications

Examination Passed	Board/University, College	Year of Passing
Ph.D.	University of Delhi, DPMB, South campus	2011
M.Phil	University of Delhi, DPMB, South campus	2005
M.Sc. Botany	University of Delhi, Miranda House	2004
B.Sc. Botany (Hons)	University of Delhi, Miranda House	2002
12th	C.B.S.E.	1999
10th	C.B.S.E.	1997

Area of specialization: PLANT MOLECULAR BIOLOGY, GENE REGULATION

Awards

- Recipient of All India Post Graduate scholarship, 2003-2004.
- Recipient of Panchanan Maheshwari medal.
- Recipient of Dr. D. S. Kothari fellowship for postdoctoral research (2013).

Publications

1. Spatial and temporal activity of upstream regulatory regions of rice anther-specific genes in transgenic rice and *Arabidopsis* (2013) **Khurana R**, Kapoor S, Tyagi A K. Transgenic Research 22:31-46.
2. A 286 bp upstream regulatory region of a rice anther-specific gene, *OSIPP3*, confers pollen-specific expression in *Arabidopsis* (2013) **Khurana R**, Kathuria H, Mukhopadhyay A, Kapoor S, Tyagi A K. Biotechnology Letters 35:455-462 .
3. Pollen-specific expression of *Oryza sativa indica* pollen allergen gene (*OSIPA*) promoter in rice and *Arabidopsis* transgenic systems (2010) Swapna L*, **Khurana R***, Vijaya Kumar S, Tyagi A K, Rao K V. Molecular Biotechnology 48:49-59. (* equal contribution).

4. Promoters of two anther-specific genes confer organ-specific gene expression in a stage-specific manner in transgenic systems (2007) Gupta V, **Khurana R**, Tyagi A K Plant Cell Reports 26:1919-1931.
5. Anthology of anther-specific promoters and transcription factors (2012) **Khurana R**, Kapoor S, Tyagi A K Critical Reviews in Plant Sciences 31:359-390.
6. Genome-wide strategies for genetic enhancement of rice (2011) Kapoor S, **Khurana R**, Baranwal V, Agarwal P, Ray S and Tyagi A. In Genomics and Crop Improvement: Relevance and Reservations, K. Muralidharan and EA Siddiq eds. PP 11-25.
7. Expression and functional analysis of rice genes involved in reproductive development and stress response (2005) Tyagi A K, Khurana J P, Khurana P, Kapoor S, Singh V P, Singh A K, Thakur J K, Gupta V, Anand S, Vij S, Jain M, Ray S, Agarwal P, Arora R, Sharma P, Mukerjee S, Nijhawan A, Giri J, **Khurana R**. Rice Genetics V. 301-334, IRRI, Philippines.

Patent Filed

Tyagi A, Kapoor S, **Khurana R**. (2012) Rice promoters and uses thereof. Indian Complete Patent Application # 1103/DEL/2012 (Pending).

Poster

Presented 2 posters in “11th International Symposium on Rice Functional Genomics”, held at New Delhi, India, in November, 2013.

WORKSHOP (Organized)

Workshop on “Plant Tissue Culture: Technique & Applications” on 16 June, 2015, held at Department of Botany, Gargi College, University of Delhi.

WORKSHOP (Attended)

Workshop on “Intellectual Property Rights and Patents” organised by University of Delhi, held on January 19th, 2015 at S. P. Jain Auditorium at South Campus.

Committees:

Member of Pathfinder Committee, Gargi College.

Member of Health and Hygiene committee, Gargi College.