

Curriculum Vitae

Dr. Kuldeep Sharma
Assistant Professor
Laboratory for Plant Translational Research
& Biotechnology (LPTRB)
Department of Botany
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Academics:

- Post Doctorate (PDF) from the University of Delhi, Delhi, India
- Ph. D in Botany from the University of Delhi, Delhi, India
- M. Phil. in Botany from the University of Delhi, Delhi, India
- M.Sc. in Botany from C.C.S. University, Meerut, Uttar Pradesh, India

Awards/ Fellowships:

- DST- Young Scientist Project (2011- 2014)** under DST's SERC Fast Track Scheme for Young Scientist.
- Dr. D. S. Kothari Post Doc Fellowship (2011, DSKPDF)** from UGC, New Delhi, India.
- CSIR- SRF (2007- 2010)** for conducting research work from CSIR, New Delhi, India.
- Jawaharlal Nehru Memorial Fellowship (2007- 2009)** for Ph. D. Program from Jawaharlal Nehru Memorial Trust, New Delhi, India.
- National Scholarship (1994)** for standing with Ist Division in 10th class in Rashtriya Chatrawarti Yojana, India.
- Third prize (2019) for an oral talk delivered** in VII- Rajasthan Science Congress- a National Conference on "Current Scenario in Science and Technology: Facing the Challenges and Creating Opportunities" held at Mohanlal Sukhadia University, Udaipur, Rajasthan, India.

Research Interests/ Specialization:

Plant Molecular Stress Physiology, Plant Translational Research, Nano-engineering, Plant Tissue Culture & Plant Biotechnology, Plant Metabolic Engineering, etc.

Research Achievements & Contributions:

- Worked on micropropagation of some commercially and medicinally important plants such as *Arnica montana*, *Centella asiatica*, *Cinnamom camphora*, *Holarrhena antidysenterica* (Kurchi), *Psoralea corylifolia* and *Spilanthese acmella*, *Simmondsia chinensis*, etc.
- Developed PCR-based molecular markers- RAPD, ISSR, SRAP, SCoT, STS, etc. for early identification of sex in Jojoba (*Simmondsia chinensis*).
- Studied the effect of abiotic stressors on *in vitro* morphology of *H. antidysenterica* (Kurchi) *Psoralea corylifolia* and *Simmondsia chinensis*, etc.
- Cloning and characterization of psoralen synthase gene in *Psoralea corylifolia*.
- Green synthesis of nanometals and analysis of morphophysiological & molecular responses in vegetable crops.

Teaching Experience: (~14 Years)

- Assistant Professor, Department of Botany, Mohanlal Sukhadia University, Udaipur, Rajasthan, India, w.e.f. May 2018- till date.
- Former Assistant Professor (Ad- hoc/ Guest) in prestigious Colleges of the University of Delhi, Delhi, India, w.e.f. 2009 to 2018.

Publications

: 40 (Fourty)

International Research Papers & Review Articles

: 23 (Twenty Three)

- ④ **Indust. Crops Prod. (Impact Factor: 6.44)**
- ④ **Heliyon (Impact factor: 4.0)**
- ④ **J. Basic Microbiol. (Impact Factor: 3.28)**
- ④ **Euphytica (Impact Factor: 2.18)**

- Ⓢ **Plant Breeding (Impact Factor: 2.53)**
- Ⓢ **Am. J. Plant Sci. (Impact Factor: 1.2)**
- Ⓢ **Plant Physiol. Biochem. (Impact Factor: 5.43)**
- Ⓢ **J. Appl. Phycol. (Impact Factor: 3.40)**
- Ⓢ **Phcog. Rev. (Impact Factor: 1.06)**
- Ⓢ **Biol. Plant. (Impact Factor: 1.12)**
- Ⓢ **Plant Biotech. Rep. (Impact Factor: 2.49)**
- Ⓢ **In Vitro Cell dev. Bio.- Plants (Impact Factor: 2.34)**

Conference Proceedings:

: Three (03)

Books/ Monographs/ Chapters (Authored/Edited)

: Eleven (14)

Gene sequnc submission to NCBI:

: Two (02)

➤ **Overall Research Statistical Analysis:**

Impact factor	33
<u>Citations</u>	785
<u>h-index</u>	11
<u>i10-index</u>	12

Research Projects:

: (05)

➤ **Ongoing Projects:**

A. Research Projects: 02

- Principal Investigator (PI)** for UGC-BSR Research Start-Up Grant Project entitled “**Green synthesis of nanometals abiotic stressors among vegetable crops**” under UGC-BSR Research Start-Up Grant Scheme, UGC, New Delhi, India; **University/ Department:** Department of Botany, Mohanlal Sukhadia University, Udaipur, Rajasthan, India.
- Co-Investigator** for RUSA Research Project entitled “**Capacity Building and Livelihood Security of Management of Ginger**” under MHRD- RUSA research

scheme, MHRD, Govt. India; **University/ Department:** Department of Botany, Mohanlal Sukhadia University, Udaipur, Rajasthan, India.

B. Capacity Building Projects (Awarded): 02

❑ **Co-coordinator** for RUSA Project entitled “**Centre for Entrepreneurship** **Biotechniques**” under MHRD- RUSA research scheme, MHRD, Govt. India, New Delhi, India; **University/ Department:** Department of Botany, Mohanlal Sukhadia University, Udaipur, Rajasthan, India.

❑ **Co-coordinator** for RUSA Project for setting up of “**D. S. Kothari Central Research Facility**” under MHRD- RUSA Grant, Rajasthan State Project Directorate- RUSA, Jaipur, Rajasthan, India; **University/ Department:** Department of Botany, Mohanlal Sukhadia University, Udaipur, Rajasthan, India.

➤ **Completed Projects: 01**

❑ **Principle Investigator (PI)** for DST- SERC Research Project entitled “**Transcriptional Profiling of Differentially Expressed Genes using cDNA- AFLP for Understanding of Sex Expression in *Simmondsia chinensis* (Link) Schneider (Jojoba): A Dioecious Petro Crop**” under DST Fast Track Scheme for Young Scientists. **Date of Start:** Oct. 01, 2011; **Date of Completion:** Dec. 31, 2014, **University/ Department:** Department of Botany, University of Delhi, Delhi.

C. Minor Research Projects: 15 (10 completed & 5 ongoing)

❖ **Workshops Organized: 04**

❖ **Extension/ Invited Lecture/ Oral Talk Delivered: 12**

❖ **Editor: Editorial Board**, Nepal Journal of Biotechnology (NJB), ISSN: 2091- 1130 (Print) and eISSN 2467-9313 (Online).

❖ **Editor: Editorial Board, Anthro-Indialogs, ISSN: 2583-1070**

❖ **Member, Editorial Board for Botanica** (Delhi University Botanical Magazine) (2007-2009).

❖ **Member, Editorial Board for Navodita** (1998-2001).

❖ **Reviewer** (2021), Symbiosis, ISSN: 03345114, 18787665.

❖ **Reviewer** (2020), Biochemistry and Biophysics Reports, Elsevier, ISSN: 2405-5808.

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