

Curriculum Vitae

NEHA PANDEY, Ph.D. (Biotechnology)

Currently working
2019 July – Present
Scientist and Technical Support Manager
Institute of Horticulture Technology
A division of Saveer Biotech Ltd.
Greater Noida

Past experience
2015 April – 2018 May:
Postdoctoral Research Fellow,
University of Illinois at Urbana-Champaign, USA

Education:

- 2009 - 2014:** Ph.D. (Biotechnology)
Samir Sawant lab,
CSIR-National Botanical Research Institute, Lucknow, India.
Banaras Hindu University (B.H.U), Varanasi, India.
- 2006 - 2008:** Masters in Science (M.Sc. – Biotechnology, first division)
Allahabad Agricultural Institute- Deemed University,
Allahabad, India.
- 2003 - 2006:** Bachelors in Science (B.Sc. - First division)
Lucknow University, Lucknow, India.
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Awards:

1. In 2015, **University of Illinois Urbana-Champaign (UIUC), USA** awarded Postdoctoral Research fellowship for 3 years.
2. In 2008, **CSIR (India)** awarded fellowship for Ph.D.
3. Awarded **Best Oral Presentation** at 80th Annual Meeting of the Society of Biological Chemists (SBC) in 2011, India.
4. Awarded **Best Oral Presentation** at International Conference on Plant Biotechnology, Molecular Medicine & Human Health in 2013, India.
5. Awarded **travel grant** to present work at the Plant and Animal Genome XXVI Conference (PAG) in 2018, San Deigo, USA.

Skills:**Technical Skills –**

Genetic Engineering, gene cloning, gene transformation, tissue culture, protein expression, ELISA, whole genome sequencing, gene analysis and annotation, confocal microscopy.

Supporting skills –

Use scientific methods and rules to solve problems. Installing equipment, machines, wiring, or programs to meet specifications. Manage lab and related work. Generating or adapting equipment and technology. Talking to others to convey information and communicating effectively in writing. Motivating, developing, and directing people as they work. Assessing performance of yourself, and other individuals. Managing one's own time and the time of others. Maintaining composure, keeping emotions in check, and controlling anger, even in very difficult situations.

Research Papers Published:

1. Zhang J *et al*: Allele-defined genome of the autopolyploid sugarcane *Saccharum spontaneum* L. *Nature genetics* (2018), 50:1565-1573.
2. **Neha Pandey**, Alok Ranjan, Poonam Pant, Rajiv K Tripathi, Farha Ateek, Haushilla P Pandey, Uday V Pathre and Samir V Sawant. CAMTA 1 regulates drought responses in *Arabidopsis thaliana*. *BMC Genomics* (2013), 14:216 – 239.
- 3 . Ruchi Singh, **Neha Pandey**, A Kumar, Pramod A. Shirke . Physiological performance and differential expression profiling of genes associated with drought tolerance in root tissue of four contrasting varieties of two *Gossypium* species. *Protoplasma* (2016), 253(1):163-74.
4. Ruchi Singh, **Neha Pandey**, Jishnu Naskar, Pramod A. Shirke. Physiological performance and differential expression profiling of genes associated with drought tolerance in contrasting varieties of two *Gossypium* species. *Protoplasma* (2015), 252(2):423-38.
5. Alok Ranjan, **Neha Pandey**, Deepika Lakhwani, Neeraj K Dubey, Uday V Pathre and Samir V Sawant*. Comparative transcriptomic analysis of roots of contrasting *Gossypium herbaceum* genotypes revealing adaptation to drought. *BMC Genomics* (2012), 13:680 – 697.
6. Alok Ranjan, Deepti Nigam, Mehar H Asif, Ruchi Singh, Sanjay Ranjan, Shrikant Mantri, **Neha Pandey**, Ila Trivedi, Krishan M Rai, Satya N Jena, Bhupendra Koul, Rakesh Tuli, Uday V

Pathre and Samir V Sawant^{1*}. Genome wide expression profiling of two accession of *G. herbaceum* L. in response to drought. *BMC Gemomics* (2012), 13:94 – 112.

Book Chapter:

1. Pandey, N., Iqbal, Z., Pandey, B. K. and Sawant, S. V. (2017) Phytohormones and Drought Stress: Plant Responses to Transcriptional Regulation, in Mechanism of Plant Hormone Signaling under Stress (ed G. K. Pandey), John Wiley & Sons, Inc., Hoboken, NJ, USA.
doi: 10.1002/9781118889022.ch34

Personal Details

Father's Name:	Mr.Uma Shanker Pandey
Gender:	Female
Marital status:	Married
Date of Birth:	10/10/1985
Nationality:	Indian
Languages:	English and Hindi

Neha Pandey