



AMITA KUSH MEHROTRA

Personal Information

Education: Ph.D. (Genetics) | M.Sc. (Genetics) | B.Sc. (Life Sciences)

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Professional Experience

- **Technical Officer** at CIIDRET, University of Delhi South Campus, (October 2019 till Present)
- **Visiting Scientist** at Department of Plant Sciences, ARO, Volcani Centre, Israel (April 2019 to June 2019).
- **Freelance Scientific Consultant** at Kolabtree, London, (January 2017 till Present).
- **University Teaching Assistant**, University of Delhi South Campus, (August 2009 till August 2013).

Research Experience

- **National Postdoctoral Fellow**, Department of Science and Technology, India, (April 2017 till March 2019).
- **Ph.D.**, Council of Industrial and Scientific Research, University of Delhi South Campus, (Aug 2009 till Sep 2015).
- **Summer Research Fellow**, Indian Academy of Sciences, (May 2008 to July 2008).

Peer Recognitions

- **Visiting Scientist, Institute of Plant Sciences, 2019**
By Agricultural Research Organization (ARO), Volcani Centre, Israel.
- **Awarded National Post-Doctoral Fellowship, 2017**
By SERB, Department of Science and Technology (DST), India.
- **Awarded SRF, Senior Research Fellowship, 2011**
By Council of Scientific and Industrial Research (CSIR), Ministry of Human Research Development (MHRD), Government of India.
- **Awarded First University Teaching Assistantship (UTA), 2009**
By Department of Genetics, University of Delhi South Campus by University of Delhi.
- **Awarded JRF, Junior Research Fellowship and Lectureship (CSIR-NET), 2008**
By Council of Scientific and Industrial Research (CSIR), Ministry of Human Research Development (MHRD), Government of India.
- **Awarded IAS Summer Research Fellowship, 2008**
By Indian Academy Sciences (IAS) Bangalore, Indian National Science Academy (INSA) New Delhi and National Academy of Sciences, India (NASI), Allahabad.
- **Awarded First prize in College during Part-II Examination in B.Sc. Life Sciences, 2006**
- **Various Poster presentation awards.**

Knowledge Dissemination

- **Online Certificate course on Start-up India Learning Program, 2017**
Completed online course on Starting up the business with novel ideas on 6th March 2017, an initiative by Government of India and UpGrad, e-learning services.



- **Newton-Bhabha Workshop for Women in Science, 2017**
Workshop on Science Administration and Management, organized by British Council at IISER Pune, 14th-17th February, 2017.
- **Hands-on Training in NGS, Next generation Sequencing, 2016**
Organized jointly by Centre for Science Education and Communication (CSEC), University of Delhi and Genotypic Technologies, Bangalore at University of Delhi, on 30th September and 1st October 2016.
- **Short-term course on “Patents and Intellectual Property Services”, 2009**
under the aegis of foundation for innovation and technology transfer Jointly organized by Department of Management Studies, Indian Institute of Science (IIT), Delhi and Global Institute of Intellectual Property (GIIP), Delhi, (13th to 18th July, 2009).
- **Add-on Course on NANOTECHNOLOGY, 2007**
Six-Months Course from Maitreyi College, University of Delhi, 2007.

Publications

- *Kumar Paritosh, Amarjeet Kumar Singh, Amita Kush Mehrotra, Deepak Pental & Pradeep Kumar Burma (2018): Identification and characterization of the promoter of a gene expressing mainly in the tapetum tissue of cotton (Gossypium hirsutum L.). Plant Biotechnol Rep.*
- *Amita Kush Mehrotra, Simran Bhullar and Pradeep Kumar Burma (2014): Development of intron-containing barnase gene (barnase-int) encoding a toxic protein to facilitate its cloning in bacterial cells. J. Plant Biochem. Biotechnol.*
- *Amita Kush Mehrotra and Pradeep Kumar Burma (2013): Developing Constructs with barnase gene encoding an RNase protein: Problems and Solutions. Cell Biology News Letter, Vol. 32 No 1-2, 2013. Abstract.*

Research interests

- *Tissue specific gene expression*
- *Crop Improvement*
- *Agricultural Biotechnology*
- *Protoplast Transformation*
- *Plant secondary metabolite enhancement*
- *Genome Editing*
- *Next Generation sequencing methodologies*
- *Science Communication*

Workstyle

- *Willing to perform basic tasks and move on to solve complex problems.*
- *Able to learn new knowledge and adapt to new environment quickly.*
- *Strong independent work style and excellent teamwork skills.*
- *Well-organized and passionate.*