




Faculty Details proforma for DU Web-site

Title		First Name	Priya	Last Name	Panjabi	Photograph
Designation	Associate Professor					
Address	Department of Botany University of Delhi Delhi 110007					
Phone No	Office					
	Residence					
	Mobile					
Email	ppriyagen@yahoo.com					
Web-Page						
Educational Qualifications						
Degree	Institution				Year	
Ph.D (Genetics)	Dept. of Genetics, Delhi University, South Campus				2005	
MSc (Genetics)	Dept. of Genetics, Delhi University, South Campus				1999	
BSc (Botany)	Gargi College, Delhi University				1997	
Career Profile						
Jan 2018 -till date: Associate Professor, Department of Botany, Delhi University						
Jan 2010-Dec 2017: Assistant Professor, Department of Botany, Delhi University						
April 2008-Dec 2009: Scientist 1, Dept. of Genetics, University of Delhi, South Campus						
Nov 2006-March 2008: Research Scientist, CGMCP, University of Delhi, South Campus						
April 2005-Oct 2006: Post-Doctoral Fellow, Dept. of Genetics, University of Delhi, South Campus						
Administrative Assignments						
PhD Coursework Coordinator						
Secretary, Staff Council						
Areas of Interest / Specialization						
Genetics, Plant Biotechnology, Molecular Biology I am presently working on						
<ol style="list-style-type: none"> 1. Mapping and characterization of genes involved in phytosterol biosynthesis in <i>Brassica juncea</i> 2. Mapping of loci conferring resistance to <i>Albugo candida</i> (white rust) in <i>B. rapa</i> 						
Subjects Taught						
Genetics and Cytogenetics						
Genetics, Genomics and Molecular Breeding						
Evolutionary Biology						

Time table of the subjects taught during the current semester				
S.No.	Subject	Days	Time	Classroom
1	Genetics and Cytogenetics (BOT-Core-3003)	(i) Thursday (Online Theory-I) (ii) Thursday (Online Practical-	(i) Thursday Theory 08.445 AM-13.00 PM 13.30PM- 5.45 PM (August-September 2020) (ii) Thursday Practical 9.00 AM-13.00 PM 13.30PM- 5.30PM (October-November 2020)	Theory #Online Practical #Online
2.	Genetics, Genomics and Molecular Breeding	Wednesday (Theory and Practical)	Theory 8.45 AM-13.00 PM Practical 13.30 PM- 17.30 PM	Theory # Online Practical #Online/Lab 26
3.	Dissertation (BOT 409)			Online
Research Guidance				
Supervision of Doctoral Thesis (under progress): Four M. Phil. students (awarded) - One				
Publications Profile				
<p>Chaudhary K., Geeta R., Panjabi P. (2021). Origin and diversification of <i>ECERIFERUM1</i> (<i>CER1</i>) and <i>ECERIFERUM3</i> (<i>CER3</i>) genes in land plants and phylogenetic evidence that the ancestral <i>CER1/3</i> gene resulted from the fusion of pre-existing domains. <i>Molecular Phylogenetics and Evolution</i>, 159, 107101. https://doi.org/10.1016/j.ympev.2021.107101</p> <p>Yadava, S.K., Kumar, P., Panjabi-Massand, P., Gupta, V., Chandra, A., Sodhi, Y. S., Pradhan, A. K., & Pental, D. (2014). Tetralocular ovary and high silique width in yellow sarson lines of <i>Brassica rapa</i> (subspecies <i>trilocularis</i>) are due to a mutation in Bra034340 gene, a homologue of <i>CLAVATA3</i> in Arabidopsis. <i>Theoretical and Applied Genetics</i>, 127, 2359-2369.</p> <p>Kumar Paritosh, Satish K Yadava, Vibha Gupta, Priya Panjabi-Massand, Yashpal S Sodhi, Akshay K Pradhan and Deepak Pental (2013). RNA-seq based SNPs in some agronomically important oleiferous lines of <i>Brassica rapa</i> and their use for genome-wide linkage mapping and specific-region fine mapping <i>BMC Genomics</i> 14:463</p> <p>Panjabi-Massand P, Yadava SK, Sharma P, Kaur A, Kumar A, Arumugam N, Sodhi YS, Mukhopadhyay A, Gupta V, Pradhan AK, Pental D (2010). Molecular mapping reveals two independent loci conferring resistance to <i>Albugo candida</i> in the east European germplasm of oilseed mustard <i>Brassica juncea</i>. <i>Theoretical and Applied Genetics</i> 121: 137-45</p> <p>Panjabi P, Jagannath A, Bisht NC, Padmaa KL, Sharma S, Gupta V, Pradhan AK and Pental D (2008). Comparative mapping of <i>Brassica juncea</i> and <i>Arabidopsis thaliana</i> using Intron Polymorphism (IP) markers: homeologous relationships, diversification and evolution of the A, B and C Brassica genomes. <i>BMC Genomics</i> 9:113</p> <p>Panjabi P, Burma PK and Pental (2006). Use of the transposable elements <i>Ac/Ds</i> in conjunction with <i>Spm/dSpm</i> for gene tagging allows extensive genome coverage with a limited number of starter lines: Functional analysis of a four-element system in <i>Arabidopsis thaliana</i>. <i>Molecular Genetics and Genomics</i>. 276:533-543.</p>				
<u>Book Chapters</u>				

Panjabi, P., Yadava, S.K., Kumar, N., Bangkim, R. and Ramchiary, N. (2019). Breeding <i>Brassica juncea</i> and <i>B. rapa</i> for Sustainable Oilseed Production in the Changing Climate: Progress and Prospects. In <i>Genomic Designing of Climate-Smart Oilseed Crops</i> (pp. 275-369). Springer, Cham.
Publications in the Last one year
Chaudhary K., Geeta R., Panjabi P. (2021). Origin and diversification of <i>ECERIFERUM1</i> (<i>CER1</i>) and <i>ECERIFERUM3</i> (<i>CER3</i>) genes in land plants and phylogenetic evidence that the ancestral <i>CER1/3</i> gene resulted from the fusion of pre-existing domains. <i>Molecular Phylogenetics and Evolution</i> , 159, 107101. https://doi.org/10.1016/j.ympev.2021.107101
Conference Organization/ Presentations (in the last three years)
Conference papers/posters
<u>Komal Chaudhary</u> , Girish Mishra and Priya Panjabi (2018) Analysis of epicuticular wax composition in selected <i>Brassica</i> spp. National Symposium on Plant Biotechnology: Recent Trends in Plant Propagation, Genetic Improvement & Industrial Applications and 39 th Annual Meeting of Plant Tissue Culture Association (PTCA, India), Forest Research Institute (AFRI), Jodhpur, February 16-18, 2018.
<u>Ajay Kumar</u> , Divakar Nandan, Namrata Dhaka, Akshay K Pradhan, Deepak Pental and Priya Panjabi (2018). Genetic approaches towards identification of locus conferring resistance to white rust pathogen in <i>Brassica rapa</i> . National Symposium on Plant Biotechnology: Recent Trends in Plant Propagation, Genetic Improvement & Industrial Applications and 39 th Annual Meeting of Plant Tissue Culture Association (PTCA, India), Forest Research Institute (AFRI), Jodhpur, February 16-18, 2018.
Research Projects (Major Grants/Research Collaboration)
PI in DBT project on 'Molecular mapping of loci conferring resistance to <i>Albugo candida</i> race 2V in two different cultivars of <i>Brassica rapa</i> - A step towards durable resistance against white rust in <i>B. juncea</i> (Indian Mustard)'. (Completed)
Awards and Distinctions
<ul style="list-style-type: none"> • Awarded INSA Young Scientist Award in the year 2007 • Received Junior/Senior Research Fellowship by Council of Scientific and Industrial Research, 1999-2004 • Awarded University Gold Medal, M.Sc. (Genetics), University of Delhi • Awarded a Fellowship by Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore for pursuing summer training during M.Sc. at CDFD, Hyderabad
Association With Professional Bodies
Involved as a reviewer of research publications with some national and international journals
Other Activities

Signature of Faculty Member

You are also requested to also give your complete resume as a DOC or PDF file to be attached as a link on your faculty page.