

Curriculum Vitae

Dr. Pratibha Pant
BSc, MSc, CSIR-NET-JRF, M.Phil, PhD

Basic Information

Date of Birth	10th July 1980
Residential Address	K 176, St. No. 44, Sadat Pur Extension, Pusta Area, Delhi-110090
Contact	+91-9899619668
Email	singhprats@gmail.com
Gender	Female
Marital Status	Married

Educational qualification

	Year	Board/University	Remarks
Ph.D. (Botany) Thesis entitled “Molecular characterization and serological detection of putative begomoviruses infecting papaya from Delhi and Haryana”	2011	University of Delhi	Awarded in 2011
CSIR-UGC JRF- NET	2003	UGC-CSIR	CSIR-UGC (LS) NET-JRF
M.Phil. (Botany)	2003	University of Delhi	78.2%
M.Sc. (Botany)	2002	University of Delhi	67.6%
B.Sc. (H) Botany	2000	University of Delhi	62.3%
10+2 (Intermediate)	1997	CBSE	67.4%
10th Standard	1995	CBSE	67.4%

Teaching Experience:

	College	Remarks
07-02-18 to Present	Hansraj College	Assistant Professor (Ad hoc)
20-07-17 to 17-11-17	Daulat Ram College, Dyal Singh College, Maitreyi College	Assistant Professor (Guest)
04-01-17 to 17-04-17	Daulat Ram College	Assistant Professor (Guest)
04-01-16 to 04-01-17	Daulat Ram College	Assistant Professor (Ad hoc)
05-08-15 to 10-11-15	Dyal Singh College, Shivaji College	Assistant Professor (Guest)
19-07-14 to 15-11-14	Hansraj College	Assistant Professor (Guest)
03-01-12 to 20-05-15	St. Stephens College	Assistant Professor (Ad hoc)
02-02-11 to 12-11-11	St. Stephens College	Assistant Professor (Guest)
21-07-11 to 17-10-11	SGTBK College	Assistant Professor (Ad hoc)

Webinar Organized:

Coordinator: "Training and Project awareness session" on How to read scientific literature and introduction to Project MANAV: The Human Atlas Initiative organised by the botanical society of Hansraj in collaborating with IISER, Pune, 8th February 2021

Organizer: 2-day National E-Conference on "Plant Science Research Relevance, funding, Challenges and Opportunities" organized by Department of Botany in collaboration with Mahatma Hansraj Faculty Development Centre, Hansraj College under PMMMMNMTT, held on January 16-17, 2021

Co-convenor: Webinar on "Solid Waste Management and Associated Challenges" organized by Department of Botany, Hansraj collegin association with Mahatma Gandhi National Council of Rural Education (MGNCRE), Department of Higher Education, MHRD, Government of India., 14th September, 2020

Organizing member of "Strengthening the immune system with Naturopathy"-One day Webinar on May 6, 2020, organized by Department of Botany & IQAC, Hansraj College, University of Delhi.

Organizing member of "लॉकडाउन के दौरान तन-मन की देखभाल" - Two day Webinar on May 14-15, 2020, organized by Department of Botany & IQAC, Hansraj College, University of Delhi.

Other Experience:

- Working as Counsellor for IGNOU at Hansraj College, Delhi from May 2018 till present.
- Have imparted hands-on training in molecular biology tools and techniques to Postgraduate and MPhil and PhD candidates in the Department of Botany, University of Delhi, Delhi, India.
- Have exposure in running practical sessions and imparting training to faculty members of various colleges, delegates, student trainees and technical assistants in Molecular Biology methods and computational biology tools during different workshops organized by Department of Botany, Department of Environmental sciences and CEMDE, Delhi University.

Extracurricular Responsibilities:

- Co-convenor of BOTANIQUE, the botanical society of Hansraj College during the academic session 2018-19 and 2019-20.
- Convenor of KALAKRITI, the fine arts society of Hansraj College during the academic session 2018-19 and 2019-20.

Peer reviewed research papers in International Journals

- **Singh-Pant, P., Pant, P., Mukherjee, S.K., Mazumdar-Leighton, S., 2012.** Spatial and temporal diversity of begomoviral complexes in papayas with leaf curl disease. **Archives of Virology**, Volume 157, Issue 7 (2012), Page 1217-1232 DOI 10.1007/s00705-012-1287-x. (impact factor: 4.11, ISSN -0304-8608)
- Abdullah, T., Faiza, M., **Pant, P., Akhtar, M.R., Pant, P., 2016.** An Analysis of Single Nucleotide Substitution in Genetic Codons - Probabilities and Outcomes. **Bioinformation** 12(3): 98-104 (2016) ISSN 0973-2063 (online) 0973-8894 (print)
- Pant, P., **Pant, P., 2016.** A Molecular Phylogeny of selected Mucuna species (fam. Fabaceae) from India. **IRJMST** 7(1) ISSN 2250 – 1959 (online) 2348 – 9367 (Print)

Book Chapters:

- Pant, P., Pant, P., 2017. Chapter 20: Ecological Restoration Techniques for Management of Degraded, Mined Out Areas and the Role Played by Rhizospheric Microbial Communities. In: Green Technologies and Environmental Sustainability (Singh, R., Kumar, S.). Springer International Publishing, pp.437-453, DOI: 10.1007/9783319506548, ISBN: 9783319506531 (Print) 9783319506548 (Online).

Participation in various National and International Conferences:

- Participated in the 1st International Conference on Integrative Chemistry, Biology and Translational Medicine organized by the Centre for Global Health, Hansraj College, University of Delhi and Loyola University Chicago Stritch School of Medicine, USA, 25-26 February 2019
- Participated in National Seminar on Draft New Education Policy, 2019, organized by Mahatma Hansraj Faculty Development Centre, Hansraj College, University of Delhi, 10th August 2019
- International Conference on “*Advances in Plant Virology*” organized by Association of Applied Biologists held at **Harrogate International Centre, Harrogate, United Kingdom** from 1-3, April 2009. International Travel Grant sponsored by **Department of Biotechnology and CCSTDS (INSA) and Vice Chancellor Grant from University of Delhi.**
- At the Golden Jubilee Conference on “*Challenges and Emerging Strategies for Improving Plant Productivity*” organized by Indian Society for Plant Physiology held at IARI, New Delhi from Nov.12-14, 2008.
- At the International Conference on “*Meeting biotic and abiotic stress responses in Plants*” organized by ICGEB, New Delhi held at their premises from Dec 11-13, 2005.

Workshops Attended:

WORKSHOP TITLE	PERIOD	REMARKS
Regional Workshop on “Research Based Pedagogical Tools”	28 th February to 1 st March, 2020	Funded by DST, GoI and Organized by CoESME, IISER Pune and held at IIT Sonapat, Haryana. The workshop was under the PMMMNMTT Scheme, MHRD.

FACULTY DEVELOPMENT PROGRAMS (FDPs), WEBINARS AND ONLINE LECTURE SERIES PARTICIPATED

Sr. No.	TITLE	DATE	ORGANIZERS
1	Faculty Development Programme on “Fundamentals of Intellectual Property Right (IPRs)”	23 rd –25 th Jan, 2020	organized by MHRFDC, Hansraj College

2	The Nomenclatural Code and its relevance to Fungi.	May 04, 2020	Organized by Department of Botany, Sri Aurobindo College, University of Delhi Speaker: Professor Christopher Walker, Royal Botanic Garden Edinburgh, UK. (From 2:30 to 3:30 pm)
3	Strengthening the immune system with Naturopathy	May 6, 2020	Organized by Department of Botany & IQAC, Hansraj College, University of Delhi
4	“Covid-19: challenges and road ahead”	7 th – 9 th May, 2020	Organized by MHRFDC, Hansraj College
5	Myths and Truths of fitness and Corrective Exercises for Various Body Deformities	May 12- May 13, 2020	Organized by Mahatma Hansraj Faculty Development Centre (MHRFDC), Hansraj College from
6	Evolution of science seen from historical perspective	May 12-13, 2020	Organized by the Department of Botany and IQAC, Deshbandhu College
7	Two Day Webinar on "PLANT BIOLOGY: A JOURNEY FROM EARTH TO SPACE"	22 nd -23 rd May, 2020	Organized by the Department of Botany, Ramjas College, University of Delhi
8	“Biodiversity and Man”	5 th June 2020	Organized by the Department of Botany, Dayal Singh College in collaboration with Society for Ecological Research and Natural Resources Management (SERNRM),
9	"Basic Documentation For Teachers"	22 th June, 2020	organized in collaboration with IQAC, HANSRAJ COLLEGE, Under PARAMARSH, a UGC scheme for mentoring NAAC accreditation aspirant institutions to promote quality assurance in higher education
10	"Legume diversity in India".	June 30, 2020	Organized by Society for Ecological Research and Natural Resources Management (SERNRM),
11	"Tinkering with Plant Genomes"	6th July 2020	Organized by Department of Botany, Miranda House, University of Delhi.
12	' Symbiosis: When living together is a win- win'	July30, 2020	organized by the International Symbiosis Society

Additional Information:

A. Molecular biology tools and techniques well acquainted with

- Isolation and Quantitative and Qualitative analysis of nucleic acids,
- Recombinant DNA techniques, Primer designing, PCR based cloning and electro-transformation into *E. coli*
- Southern, Northern, Western Blot and ELISA based analysis
- Protein isolation, purification and quantification
- Spectrophotometric based assays
- Chromatographic Techniques

B. Computational Biology and Statistical packages used

- Various phylogenetic tree construction software such RAxML III, BEAST, PAUP, MEGA, PHYLIP, FIGTREE etc.,
- HYPHY 2.0 (Hypothesis Testing using Phylogenies)
- RDP3beta34 (Recombination Detection Program)
- AMOVA (Analysis of Molecular Variance)
- Certificate course in SPSS version 15.0

List of References

Dr. Sudeshna Mazumdar-Leighton	Professor	Lab 15, Department of Botany, University of Delhi, India	smceres21@yahoo.co.in contact: +919810190756
Prof. C.R. Babu	Professor Emeritus	MoEF Centre of Excellence, CEMDE, University of Delhi, India	crb26@hotmail.com +919810586709
Dr. Sunil Kumar Mukherjee	NASI Sr. Scientist Platinum Jubilee Fellow	NASI Sr. Scientist Platinum Jubilee Fellow, Genetics Department, UDSC	sumilm@icgeb.res.in 9871995629