

Curriculum Vitae

Dr. Pratibha Pant

BSc, MSc, CSIR-NET-JRF, M.Phil, PhD

Basic Information

Date of Birth	10 th July 1980
Residential Address	J-710 Alien Court, Tronica City Ghaziabad, UP-201103
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%
10 th Standard	1995	CBSE	67.4%

Teaching Experience:

	College	Remarks
07-02-18 to Present	Hansraj College	Assistant Professor (Ad hoc)
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)
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)

Other Experience:

- Working as Counsellor for IGNOU at Hansraj College, Delhi from May 2018 till present.
- Core member of NAAC Criterion 3 for compilation of data.
- 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.

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)
- Pant, P., Pant, P., Patel, S.L., 2022. Expanding Host range of papaya leaf curl virus (PLCV) into agricultural crops and Weed Species. Biological Forum-An International Journal 14(3):1186-1197 ISSN (online): 2249-3239
- Anand Sonkar, Shalini Kaushik Love, Anjali Sharma, Chetan Pahwa, Ishika Sharma, Josemon Biju, Sanjana Amla, Sahil Verma, Pratibha Pant, Sharda Mahilkar-Sonkar (2022) Effect of HCl pretreatment on tomato (*Solanum lycopersicum* L.) seed germination. International Journal of Innovative Science and Research Technology. 7: 491-494. ISSN No:-2456-2165.

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).

Edited Books:

1. Pant, P., Pant, P., Pandey, P., (Eds.) 2017. Role of Microbes in restoration Ecology. Delve Publishing. Canada
2. Pant, P., Pant, P., Pandey, P., (Eds.) 2017. Forest Ecology: Past, Present and Future. Delve Publishing. Canada
3. Pant, P., Pant, P., Pandey, P., (Eds.) 2017. Bacteriophages for Plant Disease Control. Delve Publishing. Canada
4. Pant, P., Pant, P., Pandey, P., (Eds.) 2017. Next Generation Sequencing and Microbial Ecology. Delve Publishing. Canada

Participation in various National and International Conferences:

- Presented Poster "Population level differences in active phytochemical profile of selected medicinal plants: A bibliometric analysis" .Aditya Prakash, Anudeepti Bajpai, Aanchal, Ashish Kumar Tiwari, Saurabh Awasthi, Pratibha Pant, Shalini Kaushik Love*Department of Botany, Hans Raj College, University of Delhi in National Conference on Medicinal Plants: Frontier Areas of Research and Development held on March 16-17, 2023
- Participated of 1st Annual National Conference on "Advances in Plant Biology" organized by Dept. of Botany, Hansraj College, University of Delhi on 9th December 2022
- 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:

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

Webinar/Conference/FDP Organized:

1. Member, organizing Committee of the National Conference on Medicinal Plants: Frontier Areas of Research and Development held on March 16-17, 2023
2. Member, organizing Committee” in One Day International (Online) Conference on “Insights into the Latest Developments in Fungal Biology (ILDFB -2022)” (September 3, 2022) organized by Department of Botany and Research & Development Cell, Hansraj College in collaboration with Mahatma Hansraj Faculty Development Centre Hansraj College, University of Delhi.
3. Organizing member of One week International (online) multidisciplinary Faculty Development Programme on “Applications of Genomics, Metagenomics and Bioinformatics in Biological Systems” from 16-20 Aug 2021, Organised by MHFDC, Hansraj College
4. Organizing member of Webinar on " Solid Waste Management and Associated Challenges" By Mr. Sourabh Manuja organized by Department of Botany, Hansraj colleg in association with Mahatma Gandhi National Council of Rural Education (MGNCRE), Department of Higher Education, MHRD, Government of India. 21-09- 2020
5. Organizing member of awareness session" on How to read scientific literature and introduction to Project MANAV: The Human Atlas Initiative organized by Botanical society of Hansraj in collaboration with IISER, Pune . 8-02-2021
6. 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.
7. 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.

Faculty development programs (FDPS), Webinars and online lecture series participated

1. Participated in and successfully completed the “Professional Development Programme on ‘Implementation of NEP2020 for University and College Teachers’ “held from 0715 October, 2022 and obtained 'A+' Grade . UGC Approved ShortTerm Professional Development Programme ,Under Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching .

2. **Participated in International Webinar** on Biodiversity and Environmental Health, organized by Department of Environmental Studies, Shivaji College, University of Delhi on May 20, 2020.
3. **Participated in Two Days International Webinar** on "PLANT BIOLOGY: A JOURNEY FROM EARTH TO SPACE" Organized by the Department of Botany, Ramjas College, University of Delhi on 22nd -23rd May 2020
4. **Participated in International Webinar on** The Nomenclatural Code and its relevance to Fungi, Organized by Department of Botany, Sri Aurobindo College, University of Delhi on 04 May 2020
5. **Participated in National seminar** on "Draft New Education Policy, 2019" organized by Mahatma Hansraj Faculty Development Centre, Hansraj College on August 10, 2019.
6. **Participated in National Webinar on** Strengthening the immune system with Naturopathy, Organized by Department of Botany & IQAC, Hansraj College, University of Delhi on 6th May 2020
7. **Participated in** three days **National Webinar** for faculty on Covid 19: Challenges and Road Ahead organized by Mahatma Hansraj Faculty Development Centre, Hansraj College, University of Delhi on May 7-9, 2020
8. **Participated in National Webinar on** Myths and Truths of fitness and Corrective Exercises for Various Body Deformities Organized by Mahatma Hansraj Faculty Development Centre (MHRFDC), Hansraj College on 12th -13th May 2020
9. **Participated in National Webinar on** Evolution of science seen from historical perspective Organized by the Department of Botany and IQAC, Deshbandhu College on 12th -13th May 2020
10. **Participated in National Webinar** on Biodiversity and Man organized by Department of Botany, Dyal Singh College in collaboration with Society of Ecological Research and Natural Resource Management on June 5, 2020
11. **Participated in National Webinar on** "Basic Documentation for Teachers" 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 on 22nd June 2020
12. **Participated in National Webinar on** "Legume diversity in India" Organized by Society for Ecological Research and Natural Resources Management (SERNRM), on 30th June 2020
13. **Participated in National Webinar on** "Tinkering with Plant Genomes" Organized by Department of Botany, Miranda House, University of Delhi on 6th July 2020

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

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

Extracurricular Responsibilities:

- Co-convenor of BOTANIQUE, the botanical society of Hansraj College during the academic session 2018-19 and 2019-20 and 2021-22 (present)
- Co-convenor of Life Science Society of Hansraj College during the academic session 2020-21
- Convenor of KALAKRITI, the fine arts society of Hansraj College during the academic session 2018-19 and 2019-20, 2020-21, 21-22 (present)
- Convenor of Green Warriors Club of Hansraj College during the academic session 2019-20, 2020-21 and 2021-22 (present)

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