



Faculty Details Proforma For College Web-site



Title	Dr.	First Name	Priyanka	Last Name	Rathore	Photograph
Designation		Assistant Professor				
Address		Daulat Ram College University of Delhi Delhi-110007				
Email - ID		priyanka@dr.du.ac.in				
Web Page						
Educational Qualification						
Degree		Institution				Year
Ph.D		University of Delhi				2021
M.Phil		University of Delhi				2014
M.Sc		University of Delhi				2013
B.Sc (H) Botany		University of Delhi				2011
Career Profile						
I have done my Ph.D from Department of Botany, University of Delhi. Then, worked as ad-hoc Assistant Professor at Miranda House, University of Delhi. Before joining the Daulat Ram College, I was working as NPDF postdoctoral fellow at ICgeb, Delhi.						
Administrative Assignments						
Member of Editorial Board of Vasundhara, The Botanical Society, DRC (2023-24)						
Committees 2023-24 Student Amenities Committee (Member) 2023-24 Swachhata Committee (Member) 2023-24 Garden Committee (Member) 2024-25 Admission Committee (Core committee Member) 2024-25 Student Amenities Committee (Member) 2025-26 Admission-Incharge (Botany Department) 2025-26 Website Committee (Member)						
Paper setting/ guidelines setting						
- Delhi University Theory Paper Setter (Additional Examiner) for B.Sc. I Botany (Hons) Ist Semester, 2024-25, NEP, Basic Laboratory and Field Skills in Plant Biology (UPC: 2162011103) - Delhi University Theory Paper Setter (Head Examiner/Convenor) for B.Sc. General Elective, IV Semester, 2024-25 –NEP, Genomics, Proteomics and Metabolomics (UPC: 2164000011) - Delhi University Theory Paper Setter (Head Examiner/Convenor) for B.Sc. General Elective, I Semester, 2025-26 –NEP, Protected Agriculture Hydroponics and Organic Cultivation (UPC: 2164001003)						

- Delhi University Practical Paper Guidelines Setter (Member) for B.Sc. General Elective, I Semester, 2025-26 –NEP, Protected Agriculture Hydroponics and Organic Cultivation (UPC: 2164001003)

Areas of Interest / Specialization

Plant molecular biology, Genetics, Epigenetics, Genetic Engineering, Bioinformatics

Subjects Taught

Molecular Biology, Genetics and Molecular biology, Biostatistics, Genetic Engineering and its Application, Basic Laboratory and Field Skills in Plant Biology, Organic Farming, Ecology, Plant Metabolism, Plant physiology and Metabolism, Economic Botany, Genomics, Proteomics and Metabolomics, Plant Breeding

Research Guidance

Research guide of B.Sc (H) Botany 4th year student on the topic Nutritional Analysis of Three Different Traditional Rice(*Oryza sativa*) Seeds for the academic year 2025-26

Publications Profile

- Rathore P** and Shakya R (2023). Next-Generation Techniques in Ecophysiology: metabolomics, proteomics, SAR/QSAR. In Tripathi S, Bhadouria R, Srivastava P, Singh R and Devi RS (Eds.) Ecophysiology of Tropical Plants: Recent Trends and Future Perspectives. CRC Press Taylor & Francis. Pg. 283-297. <https://doi.org/10.1201/9781003335054-29>
- Rajpal VR, **Rathore P**, Mehta S, Wadhwa N, Yadav P, Berry E, Goel S, Bhat V and Raina SN (2022). Epigenetic variation: A major player in facilitating plant fitness under changing environmental conditions. **Frontiers in Cell and Developmental Biology** 10:1020958. doi: 10.3389/fcell.2022.1020958
- Rathore P**, Schwarzacher T, Heslop-Harrison J.S., Bhat V., and Tomaszewska P. (2022). The repetitive DNA sequence landscape and DNA methylation in chromosomes of an apomictic tropical forage grass, *Cenchrus ciliaris*. **Frontiers in plant science**, 13, 952968. <https://doi.org/10.3389/fpls.2022.952968>
- Rathore P**, Raina SN, Kumar S and Bhat V (2020). Retro-Element Gypsy-163 is Differentially Methylated in Reproductive Tissues of Apomictic and Sexual Plants of *Cenchrus ciliaris*. **Frontiers in Genetics**, 11:795. doi: 10.3389/fgene.2020.00795
- Rathore P**, Geeta R and Das S (2016). Microsynteny and phylogenetic analysis of tandemly organised miRNA families across five members of Brassicaceae reveals complex retention and loss history, **Plant Science**, 247:35-48

Details of refresher/orientation course/workshop/Faculty Development Programm

S.No.	Details	Place	Period		Sponsoring/Organising Agency
			From	To	
1.	Faculty induction programme	Online	25th February, 2023	27th March, 2023	Daulat Ram College, University of Delhi and Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi
2.	Faculty development program on“MOOCS AND E-CONTENT DEVELOPMENT”	Online	25th May, 2023	31st May 2023	Guru Angad Dev Teaching Learning Centre under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT) of

					Ministry of Education, SGTB Khalsa College, University of Delhi.
3.	Faculty Development Programme on “Revolutionizing Agriculture: Novel Perspectives on Technological Innovation	Online	01 st April, 2024	06 th April, 2024	Department of Botany, Hansraj College, University of Delhi in collaboration with Mahatma Hansraj Malaviya Mission Teacher Training Centre (MH-MMTTC), Hansraj College, University of Delhi.
4.	NEP 2020 Orientation & Sensitization Programme	Online	03 rd June, 2024	13 th June, 2024	Mahatma Hansraj Malaviya Mission Teacher Training Centre (MH-MMTTC), Hansraj College, University of Delhi
5.	Refresher Course “Embarking on NEP: Research Methodology for Scientific Excellence	Online	24 th June, 2025	7 th July, 2025	Daulat Ram College, University of Delhi and Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi

Awards and Distinctions

2022	National Postdoctoral Fellowship at ICGB, New Delhi, India
2021	ICGB Postdoctoral Fellowship, Cape Town, South Africa (Not availed)
2018	Newton-Bhabha PhD placement Award at University of Leicester, UK

Other Activities

- Volunteered at 3rd National Conference of Seabuckthorn Association of India (2019)
- Volunteered at 27th Annual Conference of Indian Association for Angiosperm Taxonomy & International Symposium on “Plant Systematics: Priorities and Challenges” (2017)
- Volunteered at 55th annual flower show at University of Delhi (2013)
- Life time membership, Delhi University Botanical Society (DUBS)