

### Faculty Achievements (2017-23)

- Served as Resource Person/Coordinator/member of Organising Committee for the following event:

| Date                       | Event   |                 |
|----------------------------|---|-----------------|
| 14th June 2023             | Internal seminar on “Microplastic and its remediation”                      | Member          |
| 23rd -24th August, 2023    | SKILL DEVELOPMENT PROGRAM “ICT Tools”UNDER IQAC                             | Resource person |
| 13th -14th September, 2024 | SKILL DEVELOPMENT PROGRAM “Enhancing Learning Through ICT Tools” UNDER IQAC | Resource person |

- Presented the following papers/posters:

- Published/Co-published the following papers:  
(APA format for Journal Article)

1. 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>
2. 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
3. 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>
4. 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

- Published/Co-published the following chapter/book:  
(APA FORMAT)

1. 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.

- **Received the following Awards/Honors :**

2022 National Postdoctoral Fellowship at ICGEB, New Delhi, India

2021 ICGEB Postdoctoral Fellowship, Cape Town, South Africa (Not availed)

2018 Newton-Bhabha PhD placement Award at University of Leicester, UK

- **Any other achievement..**

| Event  | Mode   | From                | To                  | Organising Agency  |
|--|--------|---------------------|---------------------|--|
| Faculty Development Programme on "ENVIRONMENT SUSTAINABILITY & CLIMATE CHANGE"                                 | Online | 4th April, 2022     | 8th April, 2022     | Department of Botany & IQAC Miranda House, University of Delhi   |
| Faculty induction programme  | Online | 25th February, 2023 | 25th February, 2023 | Daulat Ram College, University of Delhi and Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi  |
| Faculty development program on "MOOCS AND E CONTENT DEVELOPMENT"   | Online | 25th May, 2023      | 1st May 2023        | Guru Angad Dev Teaching Learning Centre under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) of Ministry of Education, SGTB Khalsa College, University of Delhi. |
| Faculty Development Programme on "Revolutionizing Agriculture: Novel Perspectives on Technological Innovation" | Online | 01st April, 2024    | 06th 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.            |
| NEP 2020 Orientation & Sensitization Programme   | Online | 03rd June, 2024     | 13th June, 2024     | Mahatma Hansraj Malaviya Mission Teacher Training Centre (MH-MMTTC), Hansraj College, University of Delhi  |