

Faculty Achievements (2017-23)

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

| S. No. | Details | Place | Date, Year | State your role: | Sponsoring/Organizing Agency |
|--------|--|--|--|------------------------|--|
| 1 | One Month-A National Faculty Induction Programme (FIP)/Orientation Course | Guru Angad Dev Teaching Learning Centre, a centre under PMMMNMTT, MoE, Government of India | 20 th June-19 th July 2023 | Organizing Team Member | Guru Angad Dev Teaching Learning Centre, a centre under PMMMNMTT, MoE, Government of India |
| 2 | National Faculty Induction Programme (FIP) IMPORTANCE AND APPLYING OF EXCEL SKILLS IN EDUCATION AND RESEARCH | Daulat Ram College, University of Delhi | 19 th -21 st July, 2023 | Resource person | IQAC Daulat Ram College University of Delhi |
| 3 | Faculty Development Programme (Under IQAC) Industrial and Environmental Microbiology | Department of Botany Daulat Ram College, University of Delhi | 19 th -20 th March, 2018 | Organizing Member | Department of Botany Daulat Ram College, University of Delhi |
| 4 | NATURE Photography Workshop: SERIES II Theme: Wildlife Photography: Career Insights & Techniques | Daulat Ram College, University of Delhi | 18 th - 20 th , April 2024 | Convener | Magic Lantern and Sepia The College Film and Photography Society And Vasundhara, |
| 5 | National Workshop CINEMATOGRAPHY: TECHNIQUES AND TIPS | Daulat Ram College, University of Delhi | 12 th - 13 th February, 2024 | Convener | Magic Lantern and Sepia The College Film and Photography Society |

- Presented the following papers/posters:

| S. No. | Details | Place | Date, Year | State your role: | Sponsoring/Organizing Agency |
|--------|---------|-------|------------|------------------|------------------------------|
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|---|---|---|--|---------------------------------------|--|
| 1 | 3rd International Conference Environmental, Human and Animal Health (ICEAHAH 2024) | The Interplay of Human Health and Environmental Degradation: A Call to Action | 16 th - 17 th , August, 2024 | Paper Presented | United Nations Environment Program World Environment Day 2024 |
| 2 | 3rd International Conference on Environmental, Human and Animal Health (ICEAHAH 2024) | Air Pollution: A Global Health and Environmental Crisis | 16 th - 17 th , August, 2024 | Paper Presented | United Nations Environment Program World Environment Day 2024 |
| 3 | International Conference | Future of Teaching-Learning and Assessment in Higher Education | 1 st September, 2023 | Member organizing committee | Guru Angad Dev Teaching Learning Centre, a centre under PMMMNMTT, MoE, Government of India, NPTC Group of Colleges, Wales, United Kingdom. |
| 4 | International Conference | Emerging Trends in Higher Education” “Academic Leadership need of the hour” | 28 th , March- 29 th March, 2023 | Participant With Award Third Position | Guru Angad Dev Teaching Learning Centre, a centre under PMMMNMTT, MoE, Government of India (Online) |
| 5 | National“ Innovations in science in Emerging Challenges in Health and Environment (NSHE-2018) | “Hindon Once A Lifeline, Now A Dead River: | 20 March 2018. | Presenter | University of Delhi |
| 6 | National Conference A Paradigm Shift Towards Empowerment of women | Microbes: The Next-Generation Mini Factories” | February 3-4 th 2017. | Presenter | Kalindi College. University of Delhi |

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

1. Mehdiratta K, Nain S, Sharma M, Singh S, Srivastava S, Dhamale BD, Mohanty D, Kamat SS, Natarajan VT, Sharma R, Gokhale RS. Respiratory Quinone Switches from Menaquinone to Polyketide Quinone during the Development Cycle in *Streptomyces* sp. Strain MNU77. *Microbiol Spectr.* 2023 Feb 14;11(1):e0259722. doi: 10.1128/spectrum.02597-22. Epub 2022 Dec 12. PMID: 36507669; PMCID: PMC9927152.
2. Radhey Shyam Sharma, Satyabrata Nayak, Sarthak Malhotra, Swagata Karmakar, Meenakshi Sharma, Sirawung Raiping, Vandana Mishra, Rhizosphere provides a new paradigm on the prevalence of lysogeny in the environment, *Soil and Tillage Research*, Volume 195, 2019, 104368, ISSN 0167-1987, <https://doi.org/10.1016/j.still.2019.104368>.
3. Datta, R., Anand, S., Moullick, A., Baraniya, D., Imran Pathan, S., Rejsek, K. Formánek, P. (2017). How enzymes are adsorbed on soil solid phase and factors limiting its activity: A Review. *Int. Agrophys.*, 31(2), 287-302. <https://doi.org/10.1515/intag-2016-0049>

- **Published/Co-published the following chapter/book: NIL (APA FORMAT)**
- **Book by single author: NIL**
- **Book by more than one author:**

| S.No | Editors | Title of the Book | Publisher | Year | ISBN No |
|------|--|--|--|------|-------------------------|
| 1 | Rahul Datta, Meenakshi Sharma & Sachidanand Singh | MicroRNA Advances and Application in Plant Biology | Academic Press Elsevier https://www.elsevier.com/books-and-journals | 2025 | ISBN: 978-0-443-21682-4 |

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

| S.No | Name of Award | Awarding Agency | Topic | Government/ International/ Private | Recognition area | Date of award | Type of Award received |
|------|--|---|--|--|------------------|--|------------------------|
| 1 | International Conference Third Position | Emerging Trends in Higher Education” | “Academic Leadership need of the hour” | GAD-TLC a centre under PMMMMNMTT, MoE, Government of India | Participant | 28 th -29 th March, 2023 | Oral Presentation |
| 2 | Young Scientist Best Oral Presentation | Somnogen Canada Inc, United Nations-SDGS, All India Institute of Training and Education-India | Microbial Factories for Sustainable Biofuel Production and Climate Change | Government | Research | 13 th -14 th May, 2023 | Oral Presentation |
| 3 | First Prize | Graphic Era University | Bacillus species as potential biocontrol agents soil born plant pathogens | Private | Research | 5 th June, 2011 | Oral Presentation |
| 4 | Third Prize | Deen Dayal Upadhaya College, University of Delhi. | Advances in biofuel production and recent Technologies | Government | Research | 21 st Feb, 2015 | Poster Presentation |
| 5 | First Report | Elsevier | Siderophore Production Iron Chelation Capacity of <i>Arthrobacter globiformis</i> | International Gov | Research | June, 2015 | Research Paper |

- **Research Project undertaken, if any: NIL**
- **Any other achievement.. NIL**