

Faculty Achievement 2024-2025

Faculties and their Areas of research

- Dr. Kalpana Kumari-Ecology and Environmental Management
- Dr Divya Verma- Aerobiology and Bioinformatics
- Dr. Ranjana Roy Mishra- Plant Biotechnology
- Dr. M. Arunjit Singh- Marine Phycology & Ecology
- Dr. Sanavar Soham: Archegoniates, Ecology & Plant Systematics
- Dr. Nagma Praween- Plant Physiology and Biochemistry
- Dr. Pratibha Thakur: Plant Reproductive Biology, Environmental Sciences
- Dr Priyanka Verma: Algae and its Utilization
- Dr. Monika Keisham: Plant Physiology and Metabolism

Projects Running in the department

Sr. No.	Name of the Principle Investigator (Co-investigator)	Title of the Project	Funding Agency, Duration & date of sanction	Amount (in INR)	Status of Project (Submitted/Ongoing)
1	Dr Pratibha Thakur	Study of germ pores and exine patterns in pollen grains of selected species of angiosperms	College One Year 16.01.2025	Rs. 17,800/-	Ongoing
2	Dr Priyanka Verma	Phytochemical exploration of Indian seaweeds (Disiplinary)	college	17,800	Not submitted
3	Dr Priyanka Verma	Environmental consciousness in hindi literature (Interdisciplinary)	college	17,800	Not submitted

Publications:

Papers published in UGC listed/ SCOpus/SCI journals

S. No	Level/type (national/international)	Author(Faculty) name	Title of paper Papers published in UGC listed journals
1	National	Dr Ranjana Roy Mishra	Phytochemical analysis and comparison of some selected plants. Vegetos (2024). https://doi.org/10.1007/s42535-024-01062-4
2	National	Dr Ranjana Roy Mishra	Golden Rice Deserves a Chance. Science and Culture 90 (3-4) 122-125 https://scienceandculture-isna.org/uploads/latestIssue/March-April_2024_Abstract-6.pdf
Papers published in peer reviewed journal			
1.	National	Dr Kalpana Kumari	Adoption of Golden Rice: A Boon for the Children Suffering from Vitamin A Deficiency Journal of Advanced Scientific Research 2024; 15 (2): 01-06 https://doi.org/10.55218/JASR.2024150200
2	National	Dr Kalpana Kumari	Application of Liposome: A Lipid Nanoparticle in Medicine and Drug Delivery International Journal of Science and Healthcare Research Vol. 9; Issue: 2; April-June 2024 https://doi.org/10.52403/ijshr.20240257
3	National	Dr Kalpana Kumari	AZOLLA: A UNIQUE ORGANISM THAT CAN SUBSTITUTE NITROGENOUS FERTILIZERS IN RICE CULTIVATION IN NORTH EASTERN INDIA Indian Journal of Plant Sciences ISSN: 2319–3824 2024 Vol.13, pp.5-13/Kalpana

4	National	Dr Kalpana Kumari	Plant Molecular Farming: An Emerging Opportunity For Biopharmaceuticals 2024; 15 (6): 01-08 https://doi.org/10.55218/JASR.2024150601
5	National	Dr Kalpana Kumari	Restoration of Degraded Land Can Be a Key Pathway to Achieve Food Security in India International Journal of Research and Review Volume 11; Issue: 6; June 2024 https://doi.org/10.52403/ijrr.20240682
6	National	Dr Ranjana Roy Mishra	Transgenic plants as bioreactors for the production of edible vaccines Journal of Phytopharmacology 14(2):127-129 ISSN 2320-480X doi: DOI:10.31254/phyto.2025.14208
7	National	Dr Ranjana Roy Mishra	Phytochemical analysis of Plectranthus scutellarioides(Coleus) International Journal of Pharmacy & Life Sci. 16(5): 6-9
Monographs, Books, Chapters in National/International books with ISBN number			
1	International	Dr Monika Keisham	Chapter 9 A Brief Overview of Beneficial Microbes or Bio Inoculants to Lower Flood Stress- Induced Damage of Crop Plants in ISBN 978-3-031-83068-6 (eBook)
Paper Presented in, Seminars, Workshops, Conferences at national and international levels.			
1	National	Dr Naghma Parween	participation in the International webinar on “Plant Responses to Changing Microbial Biota” held on 14th April 2025, organized by Department of Botany, Ramjas College, University of Delhi,

Faculties invited as resource persons

Name of Faculty	Resource Person for (Refresher courses, Orientation courses, Seminars, Workshops, Conferences)	Levels
Dr Divya Verma	Invited lecture on “Clinical Aerobiology” followed by Aerobiology walk for Diploma in Pediatric Allergy & Asthma (DPAA) organised by Sir Ganga Ram Hospital, New Delhi on 17th Jan 2025	National
Dr Divya Verma	Resource person for workshop on “Identification of Aeroallergens” for Diploma in Pediatric Allergy & Asthma (DPAA) organised by Sir Ganga Ram Hospital, New Delhi on 6th Dec 2024.	National

Refresher/Orientation/short term courses during 2024-25 by Faculty Members

Name of Faculty	Name of Course and Organising Body	Duration (From - To)
Dr Nagma Parween	Participated in the International webinar on “Plant Responses to Changing Microbial Biota” held on 14th April 2025, organized by Department of Botany, Ramjas College, University of Delhi, Delhi - 110007, India.	April 2025
Dr Nagma Parween	Participated in the "National Conference on Restoring River Health: Yamuna as a model System" held on September 11 - 12, 2025.	September 11 - 12, 2025.
Dr Pratibha Thakur	Participated in the two-days Teacher Training Program on Undergraduate Research and Project-Based Learning at Cluster Innovation Centre, University of Delhi, held from 25-26th March, 2025.	25-26th March, 2025.
Dr Priyanka Verma	Attended the Hands-on Training on “Bio-Entrepreneurship in Hydroponics” jointly organized by the Delhi University Botanical Society (DUBS), Department of Botany, University of Delhi, and the Institute of Horticulture Technology (IHT), held on 4th–5th October 2024 at the Department of Botany, University of Delhi, Delhi, and the Institute of Horticulture Technology, Greater Noida, Uttar Pradesh.	4th–5th October 2024
Dr Monika Keisham	Completed the Online Training Programme on “NEP 2020 Orientation & Sensitization Programme” under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC) organized by Mahatma Hansraj Malaviya Mission Teacher Training Centre (MH-MMTTC), Hansraj College, University of Delhi in collaboration With Kalindi College, University of Delhi	03rd – 11th March, 2025

Seminars, Workshops, Conferences at national and international levels attended by faculties

S. No.	Name of Faculty	Title* (See the format given below the table)	Levels (State/National/International)
1	Dr Nagma Parween	Attended the National Workshop on Urban Heat Island & Spreading Awareness on Emerging Challenges of Air Pollution and Climate Change on Human Health in Urban Ecosystem held on 5 th and 6 th August, 2024.	National
2	Dr Nagma Parween	Participated in the Faculty Development Programme on Disaster Risk Management from 20 th May to 24 th 2024 organized by Disaster Management Cell, Kalindi College, University of Delhi in collaboration with National Institute of Disaster Management (NIDM) Ministry of Home Affairs, Govt. of India.	National
3	Dr Pratibha Thakur	Participated in the National Conference on ‘Sustainable Start up : Integrating traditional knowledge with innovation, organised by the IBSD Committee, Kalindi College on February 17, 2025.	National
4	Dr Pratibha Thakur	Participated in the 3 rd Annual National Conference on Advances in Plant Biology (APB 2025), themed "Climate Smart Agriculture for Global Food Security", held on Saturday, April 5, 2025, at Hansraj College, New Delhi, India.	National
5	Dr Pratibha Thakur	Participated in the International webinar on “Plant Responses to Changing Microbial Biota” held on 14 th April 2025, organized by Department of Botany, Ramjas College, University of Delhi.	International
6	Dr Priyanka Verma	Attended the One day academic workshop on “Essentials of Working in Hindi in Independent India” organized by the Official Language Implementation Committee of Kalindi College and held on 27 th February 2025 at Kalindi College, University of Delhi	National
7	Dr Priyanka Verma	Attended the National Workshop on “Urban Heat Island & Spreading Awareness on Emerging Challenges of Air Pollution and Climate Change on Human Health in Urban Ecosystem” organized by the Environmental Pollution Laboratory, Department of Environmental Studies, University of Delhi, in collaboration with the Delhi University Botanical Society and the Department of Botany,	National

		University of Delhi, held on 5th–6th August 2024 at the Department of Botany, University of Delhi, Delhi, India.	
8	Dr Priyanka Verma	Attended the Workshop and Hands-on Training on “Bio-Entrepreneurship in Hydroponics” jointly organized by the Delhi University Botanical Society (DUBS), Department of Botany, University of Delhi, and the Institute of Horticulture Technology (IHT), held on 4th–5th October 2024 at the Department of Botany, University of Delhi, Delhi, and the Institute of Horticulture Technology, Greater Noida, Uttar Pradesh.	National
9	Dr Priyanka Verma	Attended the National Conference on “Urban Waste Management and Sustainable Solutions” organized by the Environmental Pollution Laboratory and the Department of Botany, University of Delhi, in collaboration with the Delhi University Botanical Society and the Indian Phycological Society, held on 3rd–4th March 2025 at the Department of Botany, University of Delhi, Delhi, India.	National
10	Dr Monika Keisham	Attended the One day academic workshop on “Essentials of Working in Hindi in Independent India” organized by the Official Language Implementation Committee of Kalindi College and held on 27th February 2025 at Kalindi College, University of Delhi	National
11	Dr Monika Keisham	Attended the International webinar on “Plant Responses to Changing Microbial Biota” organized by Department of Botany, Ramjas College and held on 14th April 2025 at Ramjas College, University of Delhi	National
12	Dr. M. Arunjit Singh	Attended the National Workshop on “Urban Heat Island & Spreading Awareness on Emerging Challenges of Air Pollution and Climate Change on Human Health in Urban Ecosystem” organized by the Environmental Pollution Laboratory, Department of Environmental Studies, University of Delhi, in collaboration with the Delhi University Botanical Society and the Department of Botany, University of Delhi, held on 5th–6th August 2024 at the Department of Botany, University of Delhi, Delhi, India.	National
13	Dr. M. Arunjit Singh	Attended the National Conference on “Urban Waste Management and Sustainable Solutions” organized by the Environmental Pollution Laboratory and the Department of Botany, University of Delhi, in collaboration with the Delhi University Botanical Society and the Indian Phycological Society, held on 3rd–4th March 2025 at the Department of Botany, University of Delhi, Delhi, India.	National

Contribution of the department in the Corporate Life of the College (Only Convener/Coordinator/Adviser for the current year 2024-25).

S. No	Name of the Faculty	Contribution
1	Dr Kalpana Kumari	Co convener CCL Committee
2	Dr Divya Verma	Convenor, Workload Committee
3	Dr Ranjana Roy Mishra	Convenor, Plant Incubation Centre
4	Dr M. Arunjit Singh	Convener, Garden Committee
5	Dr Naghma Parween	Co-Convenor, Brainstorm Quiz Society.
6	Dr Pratibha Thakur	<ul style="list-style-type: none"> • Convenor, Botanical Society 'AMARANTH', • Co-Convenor - Western Group Dance Society 'NUPUR' (ECA Club), • Co-ordinator in events organised by Botanical Society.
7	Dr Priyanka Verma	<ul style="list-style-type: none"> • Convenor, of the Outreach Program on "Nutrition and Hygiene: Importance in Daily Life" organized by Amaranth: The Botanical Society, Kalindi College, University of Delhi, in collaboration with Robinhood Army under the aegis of IQAC, held on 16th November 2024 at CGO Cluster RHA, near Jangpura Metro Station, Delhi. • Co-convenor of Discipline committee in National Seminar on "Sustainable Startup: Integrating Traditional Knowledge with Innovation" organized by the IBSD Committee in collaboration with IQAC, Kalindi College, held on 17th February 2025 at the Seminar Room, Kalindi College, University of Delhi.
8	Dr Monika Keisham	<ul style="list-style-type: none"> • Convenor, Botanical Society 'AMARANTH', • Co-Convenor - Indian Group Dance Society 'NUPUR' (ECA Club)