


FACULTY PROFILE PROFORMA

Title (Ms/Mr/Dr/Prof)	DR. MONIKA KEISHAM		
Designation	Assistant Professor (ad-hoc)		
Department	BOTANY		
Address (Official)	Kalindi College, University of Delhi, East Patel Nagar, New Delhi-110008		
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Education			
Subject	Institution	Year	Details
B.Sc. Botany	Hindu College, University of Delhi	2013	82.6%
M.Sc. Botany	Department of Botany, University of Delhi	2015	75.71%
Ph.D. Botany	Department of Botany, University of Delhi	2019	“Biochemical and proteomic analyses of salt stress-induced changes in sunflower (<i>Helianthus annuus</i> L.) seedlings”
CareerProfile			
Organisation/Institution	Designation	Duration	Role
Kalindi College	Assistant Professor (ad-hoc)	March, 2021 till date	Teaching, participation in departmental activities & college activities, member in various committees
Kalindi College	Assistant Professor (Guest Faculty)	September, 2019 - May, 2020	Teaching and participation in departmental activities
Research Interests/Specialization			
Plant Physiology and metabolism			

Administrative Assignments / Contribution to Corporate Life			
Participation in Administrative work of the college: 1. Member of Committees: Women Development Cell and MIS 2. Co-convener of Indian Classical Group Dance (2024 onwards)			
Teaching Experiences (Subject/Courses taught)			
<div><input type="checkbox"/> Teaching Plant Ecology and Taxonomy, Plant Physiology & Metabolism, Plant Cell & Developmental Biology to B.Sc. Life Sciences (CBCS) students.</div> <div><input type="checkbox"/> Teaching Plant Metabolism, Plant Pathology, Phycology, Analytical Techniques in Plant Sciences, Archegoniatae, Industrial & Environmental Microbiology to B.Sc. Botany (H) students</div> <div><input type="checkbox"/> Taught Nursery Gardening & Landscaping, Viewing & Capturing Diversity in Nature and Environment Studies to the students of all the streams of Science, Commerce and Humanities.</div>			
Research Guidance		NIL	
Publication (Peer Reviewed/Indexed Journals); Total Impact Factor (IF): 17.0			
Year of Publication	Title	Journal (Name of the journal. Vol Issue ISSN and Impact factor)	Co-Author
2025	A Brief Overview of Beneficial Microbes or Bio Inoculants to Lower Flood Stress- Induced Damage of Crop Plants	Springer; ISSN 2730-6194	Nellie Laisram
2023	Potential of sawdust for the removal of heavy metal ions from soil and aqueous solutions: a case study of <i>Brassica juncea</i> grown in contaminated soil from the Yamuna of Delhi.	Proceedings of the Indian National Science Academy; 89:740-751 (2.1)	Tripti Kumari, Muskan Gill, Divya Saini
2021	Sodium influx and potassium efflux currents in sunflower root cells under high salinity.	Frontiers in Plant Science; 11: 613936; 1664-462X (4.8)	Hryvusevich P, Navaselsky I, Talkachova Y, Straltsova D, Viatoshkin A, Samokhina V, Smolich I, Sokolik A, Huang X, Yu M, Bhatla SC and Demidchik V.

2020	Ethylene: A Master Regulator of Salinity Stress Tolerance in Plants.	Biomolecules; 10: 959; 2218-273X (4.8)	Riyazuddin R, Verma R, Singh K, Nisha N, Bhati KK, Kim ST and Gupta R
2019	Deciphering the nitric oxide, cyanide and iron-mediated actions of sodium nitroprusside in cotyledons of salt stressed sunflower seedlings.	Nitric oxide; 88: 10-26; 1089-8603 (3.2)	Jain P, Singh N, von Toerne C, Bhatla SC and Lindermayr C
2018	Mechanisms of sodium transport in plants-progresses and challenges.	International Journal of Molecular Sciences; 19(3): 647; 1422-0067 (4.9)	Mukherjee S and Bhatla SC

Seminar/Workshop/Conferences Presentation/Organization

International Conferences

1. Presented paper entitled, *“Nitric oxide modulates phospholipase D (PLD) activity accompanying salt stress tolerance in sunflower seedlings”* in the “5th International Symposium on Plant Signaling and Behavior” held in Matsue city, Japan from June 26 -July 1, 2017.

National Conferences

2. Presented poster entitled, *“Deciphering the nitric oxide, cyanide and iron-mediated actions of sodium nitroprusside in cotyledons of salt stressed sunflower seedlings”* in the National Conference on “Plant and Microbial Research: Present Scenario” held in Department of Botany, Punjabi University, Patiala from February 18-19, 2019.
3. Participated in the National Seminar on “Identifying and Avoiding Publishing in Predatory Journals: A Lesson for Researchers” held in Department of Botany, University of Delhi on March 18, 2017.
4. Participated in the “103rd Indian Science Congress” held at University of Mysore, Mysuru from January 3-7, 2016.

Seminars and Webinars

1. Attended National Webinar on “Entrepreneurship Aspects on Biodiversity Conservation and Indigenous Healing Practices of Northeast India” organized by IBSD Centre, Kalindi College on 2nd June, 2020.
2. Organizer of National Webinar on “**Immunity Boosting Herbs to combat COVID-19**” organized by **Department of Botany under the aegis of IQAC** on 1st October, 2021.
3. Attended National Seminar on “**Innovation and Opportunities in Marine Bioresources & Biotechnology**” organized by the **Marine Biotechnology Laboratory, Department of Botany, University of Delhi** on 21st August, 2021.
4. Attended National Webinar on “**Geopolitics of Vaccine: Access, R & D and Manufacturing**” organized by **Kalindi College, University of Delhi, in collaboration with Universal Access for Vaccine and Medicine & Swadeshi Shodh Sansthan** held on 22nd June, 2021.
5. Attended the International Live Interactive Webinar on “De-novo Domestication of Crops for Salt-affected Environments” on 28th March, 2024 organized by Biogene.
6. Attended Hindi Workshop organized by Kalindi College on 27 February, 2025.
7. Attended 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

Faculty Development Programme

1. Completed Two week (online) Interdisciplinary Faculty Development Programme on ‘**MOOC’s, E-content Development, Research Methodology and Statistical Tools in Open Education World**’ from 3rd August to 17th August, 2021 organized by **Kalindi College, University of Delhi with Mahatma Hansraj Faculty Development Centre Hansraj College, University of Delhi.**
2. Completed Seven-day faculty development program (Practical use of official language Hindi) organized by the Hindi Department, Kalindi College from June 22-June 28, 2023.
3. Completed online training programme on “**NEP 2020 Orientation & Sensitization Programme**” organized by Mahatma Hansraj Malaviya Mission Teacher Training Centre (MH-MMTTC), Hansraj College, University of Delhi in collaboration with Kalindi College, University of Delhi from 3rd-11th March, 2025.

Awards & Distinctions

Received CSIR J. R. F (2015-2017) Received CSIR S.R.F (2017-2019).

Public Service/ University Service/ Consulting Activity

Nil

Professional Societies and Memberships

DUBS, University of Delhi

Projects (Major Grants/ Collaborations)

In house project on “Identification of medicinal plant species growing in Kalindi College campus and preliminary phytochemical analysis” along with Dr. M. Arunjit Singh (2023-2024)

Other Details

Nil