



Dr .Poonam Mehrotra

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PRESENT STATUS

Assistant Professor, Department of Botany, Institute of Basic Sciences, Bundelkhand University, Jhansi.

QUALIFICATIONS

- Master Degree in Botany with specialization in Forest Ecology (M.Sc. Thesis title “Ecological implications of- Morphology of Herbs of Oak and Chir-Pine Forests of Kumaun Himalaya”) **from Kumaun University, Nainital. (UK)**
- Doctoral Degree in Botany (Ph.D. Thesis title: Adaptive Significance of Leaf in Relation to Other Parts in Oak Forest Herbs of Kumaun Himalaya) **from Kumaun University, Nainital (UK).**

ACADEMIC / TECHNICAL TRAINING/ WORK SHOP

- **2023** (28 to 29 April2023) International Workshop “ Hydroponics techniques (Soil less farming System)” organized by Institute of Biological Science, SAGE, University Indore.



- **2023** Vigyan Mahotsav, Lecture series Faculty Development Programme 1feb -28 Feb. 2023 Bundelkhand University , Jhansi.



- **2023** One day state level workshop on "Protection and Enforcement of Intellectual Property Rights: Opportunities and Challenges" on 8 February 2023, organized by Research

and Development Cell , Indira Priyadarshini Govt. Girls P.G. College of Commerce Haldwani, Nainital, Uttarakhand.



2022 “VIGYAN MAHOTSAV”, Lecture series Faculty Development Program me, Bundelkhand University , Jhansi .

2021 Panel discussion on “Atmnirbhar Bharat- Vocal for Local, Make in India for the World” 2nd September Institute of Innovation council, Bundelkhand University Jhansi.



2020 Workshop: Organic Farming 2020”, 16-20 June, 2020 organized by JLNKVV, Jabalpur .



2019 on ‘ Blended Learning and ICT for teaching’ two days 24-25 January 2019 organized by Guru Anad Dev Teaching Learning Center of PMMMNMTT of MHRD, SGTB Khalsa ,College, University of Delhi and Bundekhand University, At Jhansi .



2019 Awareness seminar “e-Learning and MOOCs in Higher Education to improve &

enhance my skill in effective innovative teaching Methodology 24 January 2019 Guru Angad Dev Teaching Centre of PMMMNMTT - A Centre of MHRD SGTB Khalsa College University of Delhi under and Bundelkhand University Jhansi .



- Refresher course 2012- Four weeks, Chandigarh University
- Orientation course (R-50) 2006- Four weeks, CPDHE, New Delhi.
- Camp for Animal Welfare Officer (Honorary) Nainital, sponsored by Ministry for Environment and Forest, Government of India, New Delhi.
- Basic Training on Mycorrhizae, TERI, New Delhi.
- Basic Training on Mycorrhizae, ICIRISAT, Patencheru (A.P.)

EXPERTISE (Area- Ecology and Forest Biology)

- Population dynamics of herbs
- Mycorrhizal (VAM) associations
- Ethno botany
- Agro forestry
- Wasteland Development(Specially Medicinal plant cultivation and Conservation)
- Experience in Community development and PRA Exercises

EXPERIENCE:

RESEARCH

More than 18 years experience in Forest Ecology

(Ecology of wild herbs, Assessment of Biodiversity and conservation).

POST DOCTORATE FELLOW(Seven Years) (1998-2005)
- C.S.I. R., NEW DELHI and DST , New Delhi

- **Research Associate , CSIR, New Delhi**, research entitled “Developing technology for the degraded slopes----- Herbs of Central Himalayas.”
- **Extended Senior Research Fellow , CSIR, New Delhi**, research entitled “Developing technology for the degraded slopes ----- Central Himalayas.”
- **Senior Research Fellow, CSIR, New Delhi**, research entitled “The Effect of Mycorrhizal Inoculation on the Growth Performance----- Herbs of Kumaun Himalaya.”
- **Worked as Surveyor, for NISTADS, New Delhi.**
- **Research Assistant at U.P. Academy of Administration, Nainital** in the project – “National Health Policy and its Gender implications” under an Indo- British Govt. Collaboration.

RESEARCH GUIDANCE

➤ **Ph.D : 2 Thesis Supervised**

“ REGENERATION AND NURSERY TECHNIQUES FOR LARGSTROMIA PARVIFLORA(ROXB.) AND ALANGIUM SALVIFOLIUM (LINN.F)’.DEPARTMENT OF BOTANY, Bundelkhand University, Jhansi.

“ BIOMONITORING OF PONDS OF MOHOBA DISTRICT,UP, INDIA,DEPARTMENT OF ENVIRONMENTAL SCIENCES, Bundelkhand University, Jhansi. ,”

➤ **M.Phil - 18 (Eighteen) Awarded.**

➤ **M.Sc. Dissertation – 8 (- 06 Completed and 02 persuing)**

TEACHING

Teaching at UG and PG level (1997- till date)

- UG and PG level in Botany and Forestry Departments of Kumaun University, Nainital, Uttranchal .
- **One Year .** Lecturer (Contract) teaching at UG and PG level in Botany Department of Kumaun

University, Nainital, Uttranchal .

□ **2.005-till date**, Lecturer, Botany Department , Bundelkhand University, Jhansi.

BOOK

02 (01published+01under process)



ACADEMICS / ADMINISTRATION

CONFERENCES ORGANIZED

1. **2022 Organizing Secretary**, International webinar 2022 “ International webinar on Challenges & Strategies for Conservation of Natural Resources” . jointly organized by , Department of Botany, Govt. PG College , NagNath Pokhari, Uttrakhand University of Technology and Applied Sciences , Muscat OMEN , Department of Botany Bundelkhand University, Jhansi, 6 June 2022.



- 2 **2018. Co –organizing Secretary** International conference

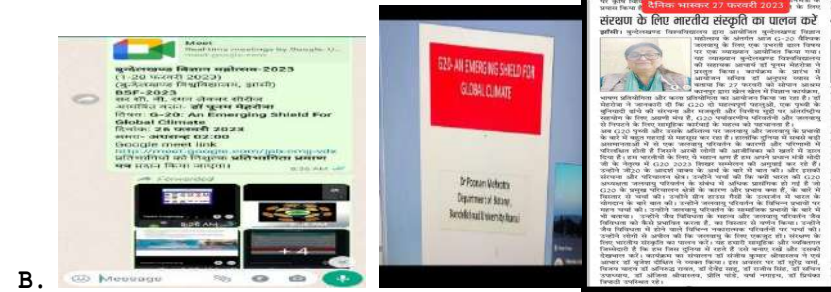
2nd International conference of Vijnana Parishad of India on Recent Trends of Computing in Mathematics, Statistics and Information Technology. Bundelkhand University, Jhansi.



B. ०००००००००० ०००००० ००००००-2023 (1-28 ०००० 2023) (०००००००००० ००००००००००००, ०००००)

BSF-2023 ०० ००. ००. ००० ०००००० ०००० ०००००००० ०००००- ०० ०००० ००००००००००
००००: G-20: An Emerging Shield For Global Climate ००००००: 26 ०००० 2023
०००- ००००००० 02:00 Google meet link

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C. On Occasion World Environment Day Celebration 2023 – "Beat Plastic Pollution, "Do and die for Ecosystem Restoration"



Member Of UNNAT BHARAT ABHIYAN, Bundelkhand University, Jhansi.



- **Coordinator 2017-2018**, Department Of Botany, Bundelkhand University, Jhansi
- **In charge of Excursions** and study trips
- **Member of UNNAT BHARAT ABHIYAN**, Bundelkhand University, Jhansi
- **PhD Supervisor in Botany and Environmental science, Agroforestry**
- **Member of Teacher selection committee**, Bundelkhand University, Jhansi.
- **Assistant Center Superintendent Of Examination** Bundelkhand University, Jhansi.
- **Event manager Inter college** Bundelkhand University Jhansi, Youth festival 2010.
- **Event manager Inter University North Zone** , Youth festival 2010.
- **Member of Proctorial Board** (anti raging), Kumaun university, Nainital
- **Coordinator of NET coaching under UGC, SC/ST –Plane (2006)**
- **External Examiner and Internal Examiner for B.Sc , MSc. and Mphil ,**
 - a. Bundelkhand University, Jhansi
 - b. and Guru Ghasidas university, Bilaspur, MP
 - c. Jiwaji university, Gwalior
 - d. External Examiner AMITY (Deem) University, Noida
- **Member of Flying squad** of Examination Bundelkhand University, Jhansi
- **Member of Science camp under INSPIRE Internship Program(DST, New Delhi), BU, Jhansi.**
- **Member of UFM team** , Bundelkhand University, Jhansi 2012.

FELLOWSHIPS/ AWARDS:

- Silver Jubilee Fellowship by U.P. Government.
- Senior Research Fellowship, CSIR, New Delhi.
- Extended Senior Research Fellowship, CSIR, New Delhi.
- Research Associate CSIR, New Delhi.
- Selected for Young Women Scientist, DST, New Delhi.
- Merit Award for poster presentation, XXVI, IBS, Delhi.

MEMBERSHIPS:

- Indian Science Congress
- Member of Governing Council of Central Himalayan Environment Association (CHEA), Nainital.
- Society for the Green World & Sustainable Development, Jhansi (U.P.) 284001
- Indian Botanical Society
- Asian Research Publishing net work

Corresponding Address: Department of Botany, Bundelkhand University ,Jhansi.

Contact No. 7376102318

Publication:

The author has published a number of research papers and articles and abstracts in various national and international journals, Book Chapters and other platforms. Total publication is Fifty (50) .

JOURNAL(S)

1. Journal of hill research .
2. CHEA Bulletin, Naini Tal.
3. Indian Journal of Ecology,
4. Current Science.
5. Journal of Ecobiology.
6. Oecologia Montana .
7. Journal Indian Botanical Society
8. Applied Ecology and Environment Research, Hungary
9. Integrated management of Natural resources in mountains (IMNRM)
10. Journal of Agriculture and Biological Science .
11. African J. of Environmental Science and Technology .
12. Journal of American Science
13. Journal of Forestry Research Maryland
14. *Journal of Plant Development Sciences.*
15. *International journal of forest*
16. " International Journal of Current Research
17. International Journal Of Scientific & Technology Research
18. Mukta Shabd Journal
19. Independent Book
20. Edited Book

SYMPOSIUM /CONFERENCE ATTENDED AND ABSTRACT AND PUBLISHED

ABSTRACT (Published /Accepted)

1. International Webinar, Department of Botany, Bundelkhand University, Jhansi.
2. Society for the Green World & Sustainable Development, Jhansi (U.P.) 284001
3. Society for the Green World & Sustainable Development, Jhansi (U.P.) 284001 .
4. 2nd International conference of Vijnana Parishad of India. Bundelkhand University Jhansi

5. ITM Gwalior .
6. Bundelkhand University Jhansi .
7. Dept of Botany Ramjas College, University of Delhi.
8. Department of Botany Bipin Bihari College Bundelkhand University Jhansi 2013.
9. National seminar on “Environmental degradation and biodiversity: Problem and prospects”
Botany Department DAV collage Kanpur
10. .Ninety sixth session of The Indian science congress Shillong,
11. 31 Annual Conference of IBS, Allahabad & National Symposium.
12. XXX Annual Conference of IBS, Gwalior & National Symposium.
13. DST sponsored national workshop , GB Pant University of Agri. & Tech. , Pant Nagar, UK
14. National seminar on Ecology and Environmental Management: Issues and Research Needs:
organized by Department of Botany, Kurukshetra University, Kurukshetra, Haryana .
15. XXVI, Annual Conference of IBS, Delhi & National Symposium.
16. National Seminar on Intellectual Property Management of Herbs and Horticulture’ RRL, Jammu.
17. Workshop on Medicinal plants of Uttaranchal. Utter Pradesh Administration Training
Academy, Naini Tal.
18. International Conference on Tropical Aquatic Ecosystem: Health, Conservation and
Management. Nainital .
19. Indian Science Congress Association Conference, Hyderabad,.
20. Workshop on International disaster Reduction Day, Utter Pradesh Administration Training
Academy, Naini Tal .
- 21 International Conference on Creativity and Innovation at Grassroots, IIM Ahmedabad,

SYMPOSIUM /CONFERENCE/WEBINAR / WRKSHOP ATTENDED- Total 40

(2018-2023- Total 21)

21 . 2023 One day state level workshop on "Protection and Enforcement of Intellectual Property Rights: Opportunities and Challenges" on 8 February 2023, organized by Research and Development Cell , Indira Priyadarshini Govt. Girls P.G. College of Commerce Haldwani, Nainital, Uttarakhand.



20. 2022 National E conference jointly organized by Bundelkhand University, Jhansi; Institute of Innovation council; Microbiological Society Manupra food Pvt Ltd Jhansi on “ Mushroom- A panacea for health as Nutraceutical and Medicinal food stuff , opportunities of and entrepreneurship in Mushroom cultivation” to celebrate the National Mushroom Day 15 oct 2022 , Bundelkhand University Jhansi, Uttar Pradesh.



19. 2022 One day “ International webinar on Challenges & Strategies for Conservation of Natural Resources” . jointly organized by , Department of Botany, Govt. PG College , NagNath Pokhari, Uttarakhand , University of Technology and Applied Sciences , Muscat OMEN , Department of Botany Bundelkhand University, Jhansi, 6 June 2022,



18. 2022 .National Webinar on floristic Research in India. Contribution of BSI to Nation. Present and Future. Organized by BSI and Ministry of Environment and Climate change, Kolkata office India ,13-14 February 2022.



17. . 2022 National intellectual property awareness Mission , IP Awareness/Training program under on January Organized by intellectual property office India , 20 January 2022.



16. **2021** One day webinar on “ Himalayan Medicinal Plant Resources for sustainable Economic Viability” organized by Department of Botany, Kumaun University, Nainital, held on 15 February 2021.



15. **2021** Panel discussion on “Atm Nirbhar Bharat- Vocal for Local, Make in India for the World” 2nd September Institute of Innovation council, Bundelkhand University Jhansi.



14. **2020** 3-Day International Webinar Series on “Understanding Flora from Aquatic Ecosystems: Towards better conservation & Sustainable Use” jointly organized by the Department of Botany, Deshbandhu College, University of Delhi, New Delhi, INDIA (Under the aegis of IQAC and ‘DBT Star College’ Scheme) and the Institute of Ocean and Earth Sciences, University Malaya, Kuala Lumpur, MALAYSIA from March 26 – 28, 2021.



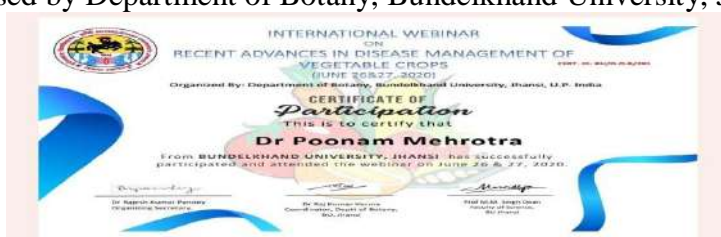
13. **2020** International Webinar on Recent Approaches in Plant Biology: Paving the Way for Green Agriculture Organized by Department of Biological Sciences, CBS&H G.B. Pant University of Agriculture and Technology, Pantnagar(Dec. 3-4, 2020).



12. 2020 Regional Webinar on Promoting Medicinal and Aromatic Plant Sector for Sustainable Development under Post COVID -19 scenario in the Western Himalaya . Organised by GB Pant National Instt .of Himalayan Environment , Kosi Katarmal , Alomra, Prof YPS Pangety Research Foundation, Nainital and Department Of Botany Kumaun University , Nainital 28 th June 2020.



11 . 2020 International Webinar: Recent Advances in Disease Management of Vegetable Crops 2- Organised by Department of Botany, Bundelkhand University, Jhansi. 27 June 2020.



10. 2020 International Webinar on Environment and Human Interaction effects in post covid -19 era Organised by Department Of Botany and Department Of Zoology, MMH College, Ghaziabad. 08-09th June.



9. 2020 International Webinar on “Covi.-19: Challenge.. an.. Perspective..” organized.. by. Department.. of Botany, Digvijaynath Post. Graduate. College., Gorakhpur, (U.P.) Indi., date.. 03 June, 2020.



8. 2020 National Webinar on “Workshop : Organic Farming 2020”, 16-20 June, organized by JLNKVV, Jabalpur .



7. 2020 International webinar on “Strategies Against The COVID- 19 Pandemic” (18 June 2020), Organized by, Department of Biotechnology, Sir JC Bose Technical Campus, Kumaun University, Nainital .



6. 2020 National Webinar on medicinal Plant and Community Health . Organized by Department Of Botany, Post. Graduate. Nagnath College. Pokhari, Chamoli, UK ,India. 08- June 2020.



1. 2020 National Conference on Science & Technology in Environmental Management (STEM-2020) 22-23 February 2020 Organised by : Society for the Green World & Sustainable Development, Jhansi (U.P.) 284001.



4. 2019. Two days Workshop on ‘ Blended Learning and ICT for teaching’ two days organized by Guru Anad Dev Teaching Learning Center of MHRD, SGTB Khalsa College, University of Delhi and Bundekhand University, At Jhansi on 24-25 January 2019.



3. 2019 Awareness Seminar entitled “e-Learning and MOOCs in Higher Education “ organised by Guru Anad Dev Teaching Learning Center of MHRD, SGTB Khalsa College, University of Delhi and Bundekhand University, At Jhansi .



2. 2018 National Symposium on “Food and Security” organized by Department of Food technology , Instt of Engineering and Technology, Bundelkhand University, Jhansi by TEQIP-3, MHRD, Govt, of India



1. 2018 2nd International conference of Vijnana Parishad of India on Recent Trends of Computing in Mathematics, Statistics and Information Technology. (2018). Bundelkhand University Jhansi.



SYMPOSIUM /CONFERENCE/WEBINAR / WRKSHOP ATTENDED
(Before2018- Total 19)

19. International conference on technology innovation and management for sustainable development. ITM Gwalior 11-12. .

18. National conference on "Status of India's biodiversity under changing climatic conditions with special reference to semiarid zone of Bundelkhand region for upliftment of rural economy & women empowerment march 4-6 . Bundelkhand University Jhansi .
17. National conference on "Current Environmental Challenges and possible solutions". Dept of Botany Ramjas College, University of Delhi.
16. National conference on Biodiversity: Ecological security and Sustainable utilization of Natural resources. Department of Botany Bipin Bihari College Bundelkhand University Jhansi .
15. National conference on Role of Bio-Diversity in sustainable agriculture, Botany Department Bundelkhand University Jhansi .
14. National seminar on "Environmental degradation and biodiversity: Problem and prospects" Botany Department DAV collage Kanpur .
13. Ninety sixth session of The Indian science congress Shillong,
12. 31 Annual Conference of IBS, Allahabad & National Symposium.
11. XXX Annual Conference of IBS, Gwalior & National Symposium.
- 10 DST sponsored national workshop on 'Integrated management of Natural resources in mountains (IMNRM) organized at GB Pant University of Agri. & Tech. , Pant Nager
9. National conference on Management of land Resources and Land Use Towards Sustainable Development .
8. National seminar on Ecology and Environmental Management: Issues and Research Needs: organized by Department of Botany, Kurukshetra University, Kurukshetra Haryana .
7. XXVI, Annual Conference of IBS, Delhi & National Symposium.
6. National Seminar on Intellectual Property Management of Herbs and Horticulture' RRL, Jammu.
5. Workshop on Medicinal plants of Uttaranchal. Utter Pradesh Administration Training Academy, Naini Tal .
4. International Conference on Tropical Aquatic Ecosystem: Health, Conservation and Management. Nainital .
3. 85th Indian Science Congress Association Conference, Hyderabad, .
2. Workshop on International disaster Reduction Day, Utter Pradesh Administration Training Academy, Naini Tal .
1. International Conference on Creativity and Innovation at Grassroots, IIM Ahmedabad, 1997.

