



Faculty Details Proforma

Title	DR	First Name	PRATIBHA	Last Name	KUMARI	Photograph
Designation	Assistant Professor					
Address	Daulat Ram College, Patel Marg 4					
Phone No. Office						
Residence						
Mobile No.						
Email – ID	mh.pratibha@gmail.com					
Web Page						
Educational Qualification						
Degree	Institution				Year	
BSc (H) BOTANY	UNIVERSITY OF DELHI				2007	
MSc BOTANY	UNIVERSITY OF DELHI				2009	
M.PHIL	UNIVERSITY OF DELHI				2011	
PHD	UNIVERSITY OF DELHI				2015	
Career Profile						
1. ASSISTANT PROFESSOR (AD-HOC)- ZAKIR HUSAIN DELHI COLLEGE (UNIVERSITY OF DELHI)- AUGUST 2016- DECEMBER 2017						
2. ASSISTANT PROFESSOR (AD-HOC)- DAULAT RAM COLLEGE (UNIVERSITY OF DELHI)- JANUARY 2018- 20 TH JANUARY 2023						
3. ASSISTANT PROFESSOR (PERMANENT)- DAULAT RAM COLLEGE (UNIVERSITY OF DELHI)- JANUARY 2023						
Administrative Assignments						
<ul style="list-style-type: none">▪ Member of Students Amenities Committee- 2018-19▪ Member of Spic Macay Society- 2018-19▪ Member of Garden Committee – 2018- 24▪ Departmental Representative of College Alumni Committee – 2019-2021▪ Member of College Website Committee – 2021-23▪ Member of Prize Committee – 2022-23▪ Member of Annual Report Committee – 2021-23▪ Member of Women Development Cell – 2022-23▪ Staff Advisor of ASTITVA (Life Science Association)- 2022-23▪ Member Admission Redressal Committee- 2023-24▪ Member College Redressal Committee- 2023-24▪ Convenor Western Music and Dance Society-2023-24▪ Convenor Garden Committee- 2024-25						

- Member Eco club Society- 2024-25
- Member Swachh Bharat- 2024-25

Areas of Interest / Specialization

ARCHEGONIATE, BIOFERTILIZER, ETHNOBOTANY, ECOLOGY, TAXONOMY, REPRODUCTIVE BIOLOGY

Subjects Taught (in the last three years)

2023-2024

1-	IInd year/ III Sem	BSc(H) Botany/ Bryophytes, Pteridophytes and Gymnosperms
2.	IInd year/ V Sem	BSc(H) Botany/ Reproductive Biology of Angiosperms
3.	IInd year/ III Sem	BSc (Life Science)/ Cell and Developmental Biology
4-	Ist year/II Sem	BSc(H) Botany/ Microbiology and plant microbe interactions
5-	IInd year/IV Sem	BSc(H) Botany/ Ecology and Conservation
6-	IInd year /VI Sem	BSc (Life Science)/ Economic Botany and Biotechnology

2022-2023

1.	IInd Year/ III Sem	BSc (Life Science)/ Plant Anatomy and embryology
2.	IInd Year/ III Sem	BSc (H) Botany- SEC Ethnobotany
3.	IIIrd year/V Sem	BSc (H) Botany/ Reproductive Biology of Angiosperm
4.	IIIrd year/ VI semester	BSc (Life Science)/ Economic Botany and Biotechnology
5.	IInd Year/ IV Sem	BSc (H) Botany/ Ecology
6.	IIIrd year/ VI semester	BSc (H) Botany/ Plant biotechnology
7.	I year/ I Sem	BSc (Life Science)/ Plant Diversity and Systematics
8.	I year/ II Sem	BSc (Life Science)/ Genetics and Molecular Biology

2021-2022

1-	Ist year/ I Sem	BSc (H) Botany/Microbiology and Phycology
2.	Ist year/ II Sem	BSc (H) Botany/ Archegoniate
3.	II year/ IV Sem	BSc Life Science/ Plant Physiology and Metabolism
4.	IIIrd year/ VI semester	BSc Life Science/ Economic botany and biotechnology
5.	Ist year/ II Sem	BSc Life Science/ Plant ecology and taxonomy
6.	IInd year/ III Sem	BSc Life Science/ SEC- Biofertilizer
7.	IInd year/ III Sem	BSc (H) Botany/ Ethnobotany
8.	IIIrd year/ V semester	BSc (H) Botany/ Biostatistics

Research Guidance

NIL

Publications Profile

PUBLICATIONS (Review/Research Articles)

- **Pratibha Kumari**, A.M. Otaghvari, H. Govindaparyari, Y.M. Bahuguna, P.L. Uniyal (2011). Some Ethno-Medicinally Important Pteridophytes of India. International Journal of Medicinal and Aromatic Plants. Vol 1(1): 18-22. ISSN 2249-4240.
- H. Govindaparyari, **Pratibha Kumari**, Y.M. Bahuguna, P.L. Uniyal (2012). Evaluation of Species Richness of Acrocarpous Mosses in Imphal District, Manipur, India. Taiwania 57(1): 14-26. ISSN 0372-333X.

- **Pratibha Kumari**, B.P. Chamola, H. Govindaparyari, R. Gupta, P.L. Uniyal (2015). Studies on Diversity of Soil Fungi (AM) Associated with Bryophytes in Uttarakhand, North-Western Himalaya, India. *Annals of Forestry* 23 (1): 11-19. ISSN 0971- 4022.
- Priti, **Pratibha Kumari**, Ruchi Srivastava, P.L. Uniyal (2016). Studies on the Gametophyte Development and Gametangial Ontogeny in *Microsorium scolopendria* (Burm. f.) Copel. *International Journal of Plant Reproductive Biology*. 8(2) 136-138. ISSN print : 0975-4296, ISSN online: 2249-7390
- Priti, **Pratibha Kumari**, G.S. Panwar, P.L.Uniyal (2017). Studies on *In-vitro* Gametophyte development of *Onychium contiguum* (Wall.) Hope. *Indian Fern Journal* (34) 117-134. ISSN 0970-2741.
- **Pratibha Kumari**, Meenam Bhatia, Priti Giri , P.L. Uniyal (2024). Mycorrhizal association and its relation with pteridophytes. *Frontiers in Microbiology*, (15) 1-14. ISSN 1664-302X

BOOK CHAPTERS:

- **Potential of Bryophytes as Herbal Medicine.** **Pratibha Kumari**, Priti and P.L. Uniyal. Book: (2017) “Scope of phytochemically unexplored medicinal plants’ (Eds Savindra Kumar, Mrinal Bhargava, Ratnum Kaul Wattal, Tabassum Jehan). Published by Enriched Publication, New Delhi (India). ISBN no- 978-1-63535-013-5.
- **Diversity and Developmental Biology of Gymnosperms** (2018). Prabha Sharma, Sanavar, H. Govindaparyari, **Pratibha Kumari** and P.L. Uniyal. Book ‘Plant Diversity of India’ (Eds. A K Bhatnagar, Rupam Kapoor). Published by I.K. International, New Delhi (India). ISBN no- 978-93-85909-69-6.
- **Ecological importance of bryophytes in changing climate conditions.** (2018) **Pratibha Kumari**, Priti, P.L. Uniyal. Book: Introduction to Challenges and Strategies to Improve Crop Productivity in Changing Environment. (Eds: Mohammad Wahid Ansari, Savindra Kumar, Babeeta C. Kaula, Ratnum K. Wattal). Published by Enriched Publication, New Delhi (India). ISBN no- 978-81-934634-9-9.
- Ethnomedicinal Uses of Pteridophytes for Treating Various Human Ailments in India (2021). Priti, **Pratibha Kumari**, Prabha Sharma and P.L. Uniyal. *New Vistas in Indian Flora* (Eds. L.J. Singh and V. Ranjan). Bishen Singh Mahendra Pal Singh Publishers, Dehradun, India. ISBN no- 978-81-943323-5-0
- Bryophytes-Why they are Important (2023). **Pratibha Kumari**, Aradhana Yadav and Meenam Bhatia. *Lianas*. 978- 93-92603-05-1
- Ethnobotanical Studies and Traditional Knowledge Plants (2023). Aradhana Yadav, **Pratibha Kumari** and Meenam Bhatia. *Lianas*. 978-93-92603-05-1
- “Exploring the Morphogenetic Diversity in fern gametophytes and their potential in Plant Science Research (2023). Meenam Bhatia, **Pratibha Kumari** and Aradhana Yadav. *Lianas*. 978-93-92603-05-1
- Bio-composting and manuring: A ways towards sustainable agriculture (2024). Meenam Bhatia, **Pratibha Kumari** and Aradhana Yadav. *Lianas*. ISBN: 978-93-92603-46-4
- Immunological and molecular mechanism induced by indoor bio-contaminants (2024). Ravi Kumar Goswami, Mohit Kumar, Avantika Chandan, Sudeshna Mandal, **Pratibha Kumari** and Varunendra Singh

Rawat. Airborne biocontaminants and their impact on human health (Eds. Rajeev Singh and Anamika Singh). Wiley. 258—278; ISBN:9781394178933.

- Introduction to spices, sources and chemistry (2024). Priti Giri, Deepika Sharma, Ravi Kumar Goswami, Anamika Singh, **Pratibha Kumari**, Hardeep Singh Tuli and Tejveer Singh. Anticancer spices: Dietary input to health (Eds. Hardeep Singh Tuli). Jenny Stanford Publishing Pte. Ltd. 1-15; ISBN: 978-981-5129-28-1 (Hardcover), ISBN: 978-1-003-53466-2 (eBook).
- Phytotherapy: An Alternative Approach to Treat Glioblastoma (2024). **Pratibha Kumari**, Priti Giri, P.L. Uniyal. Medicinal and Aromatic Plants. Sustainable Landscape Planning and Natural Resources Management. (Eds Kumar, L., Bharadvaja, N., Singh, R., Anand, R.) Springer, Cham. <https://doi.org/10.1007/978-3-031-60117-0> 13. Print ISBN978-3-031-60116-3, Online ISBN978-3-031-60117-0

Conference Organization / Presentation (in the last three years)

- **Member of the organizing committee** Workshop on Learning reproductive biology with fluorescence microscopy organized by Department of Botany, Daulat Ram College, University of Delhi, Delhi on 25th August 2021.
- **Resource person** in the two-day In-House Skill Development Program on “Enhancing Learning through ICT Tools”, organized by the Department of Botany, Daulat Ram College, University of Delhi from 24-25 November, 2021.
- **Resource Person**-In House Skill Development program (SDP) on “Disease Prevention by Natural Remedies and Identification of active ingredients” Organized by Department of Chemistry & Botany, Daulat Ram College under the aegis of Internal Quality Assurance Cell (IQAC) From 20-27th December 2021.
- **Resource Person**- One week skill development programme for non-teaching staff on “Digital learning through ICT Tools” organized by Department of Botany and Department of Economics, Daulat Ram College, University of Delhi. 21st -28th January 2022.
- **Member of Organizing Committee** in Workshop “Basic Techniques for Home Gardening – Series – I” organized by Garden Committee, Daulat Ram College, University of Delhi on 14th and 15th September, 2022.
- **Convener** of Workshop on “Capacity Building Workshop Series 1- Mushroom Cultivation organized by Astitva, Life Science association, Daulat Ram College, University of Delhi on 28th September 2022.
- **Co- convener**- In House Skill Development program (SDP) on “Enhancing learning through ICT Tools organized by Daulat Ram College, University of Delhi on 26th- 27th November 2022.
- **Resource person**- In House Skill Development program (SDP) on “Enhancing learning through ICT Tools organized by Daulat Ram College, University of Delhi on 26th- 27th November 2022.
- **Convener** of Workshop on “Capacity Building Workshop Series II- Intellectual Property Rights organized by Astitva, Life Science association, Daulat Ram College, University of Delhi on 17th January 2023.

- **Member of Organizing Committee** of Workshop on “Learning gardening techniques: A step towards entrepreneurship–Series II- Developing a Herbal Garden: Nature to Nurture with Ayurveda” organized by Garden Committee, Daulat Ram College, University of Delhi on 10th February, 2023.
- **Member of Organizing Committee** of Workshop on “Learning gardening techniques: A step towards entrepreneurship– Series III- Bonsai and Penjing” organized by Garden Committee, Daulat Ram College, University of Delhi on 12th April, 2023.
- **Chaired the paper presentation session** in the **National Conference on “Digital ALL- Inpvation and Technology for Gender Equality”** for International Women’s Day Celebration organised by Pragati, Women’s Development Cell, Daulat Ram College, University of Delhi on 24th March 2023.
- **Member of Organizing Committee** of An International Seminar on “Microplastics and its remediation” Department of Botany, Daulat Ram College, University of Delhi on 14th June 2023.
- **Resource person in** Two- Days In-House Skill Development Programme on “ Enhancing Learning through information & communication technology (ICT) tools” organised by Daulat Ram College, University of Delhi 23rd- 24th August 2023.
- **Poster Presentation** on National Conference on Medicinal Plants: Frontier Area of Research And Development organised by Department of Botany and Research and Development Cell, Hansraj College, University of Delhi from 16th- 17th March 2023.
- **Poster Presentation** National Conference on "Ashwagandha: A Health Promoter From Fields to Pharmacy" organized by Gargi College, University of Delhi, sponsored by National Medicinal Plants Board (NMPB), Ministry of Ayush, Government of India on 18th October, 2024

Research Projects (Major Grants/Research Collaboration)

NIL

Awards and Distinctions

NIL

Association with Professional Bodies

Member of Delhi University Botanical Society (DUBS), Department of Botany, University of Delhi

Other Activities (in last three years)

STUDENT’S EXTENSION PROGRAMMES

- Educational Trip to Regional Centre for Biotechnology, Faridabad- 23rd March 2023
- Educational Trip to IARI, New Delhi- 5th April 2023
- Botanical Educational Trip, Dalhousie, Khajjiar (Himachal Pradesh)- 27th - 30th September 2023
- Botanical Educational Trip, Mussoorie- Chamba (Uttarakhand)- 1st- 4th October 2024

Workshop organised for Students (Convenor)

- Workshop on “Capacity Building Workshop Series 1- Mushroom Cultivation organized by Astitva, Life Science association, Daulat Ram College, University of Delhi on 28th September 2022.
- Workshop on “Capacity Building Workshop Series II- Intellectual Property Rights organized by Astitva, Life Science association, Daulat Ram College, University of Delhi on 17th January 2023.