

## RESUME

**Name** : Dr.(Mrs.) Pragya Joshi

**Husband's Name** : Mr. Rohit Pandey

**D.O.B** : 29<sup>th</sup> May 1979

**Place of Birth** : Almora (Uttarakhand)

**Nationality** : Indian

**Permanent Address** : Dr.(Mrs) Pragya Joshi  
c/o Mr. Rohit Pandey  
20/108, Keshav Sadan  
Indira Nagar  
Lucknow  
#9412044355

**Present Address** : Dr.(Mrs) Pragya Joshi  
c/o Mr. Rohit Pandey  
20/108, Keshav Sadan  
Indira Nagar  
Lucknow #9412044355

### **EDUCATIONAL QUALIFICATION:**

Ph.D* (Botany – Plant Taxonomy)	2001-2006	Kumaon University	Awarded on 21 <sup>st</sup> Dec 2006
M.Sc. (Botany)	1999-2001	Kumaon University	I Div (Topped University – Gold Medalist)
B.Sc. (ZBC Group)	1996-1999	Kumaon University	I Div (Topped Almora Campus)
Intermediate	1995-1996	CBSE Kendriya Vidyalaya Ranikhet	I Div (Topped School)
High School	1993-1994	CBSE Kendriya Vidyalaya Ranikhet	I Div

\* Degree of Doctor of Philosophy (Ph.D) from Kumaon University, Nainital, awarded on 21<sup>st</sup> Dec.2006.

## **Details regarding Ph.D.-**

**Field :** *Taxonomy of Pteridophytes*

**Topic:** *Fern Flora of Rudraprayag and Chamoli (Garhwal Himalayas), Uttaranchal*

**Guide:** Prof. P. C. Pande, Retd. Head of The Department of Botany,  
DSB Campus , Nainital, K.U. Nainital (UA)

**Co- Guide:** Late Dr. H.C. Pande , Scientist-D  
Botanical Survey of India, N.C., Dehra Dun (UA)

### **PRESENT AND PREVIOUS ASSIGNMENTS :**

- 1. Worked as contractual Assistant Professor Botany (Botany), SMJN (PG) College Haridwar, from session year 10. 08. 16 to 09. 08. 17 and 01. 08. 17 to 09. 08. 18, 16 Aug 2018 to 15 may 2019 and 2 Aug 2019 to 31 March 2023.** Conducted classes, Theory and Practicals at B. Sc. Level, Skill enhancement classes at III sem, Environment Studies in B.A. and B.Sc. courses.
- 2. Post Doctoral Fellow, (UGC for Women Scientist, 2008-2009) since 2011-2016,** at DAV Campus Dehra Dun under the supervision of Dr. S.P. Joshi, Department of Botany from Mar 2011- 15 August 2016. Completed a Major Head Project for five years F-15-9/11, UGC.

**Title of the Project –** Ecological Observations of the ferns of Rudraprayag and Uttarkashi Districts (Garhwal Himalyas), F-15-9/11, UGC.

**Also conducted lectures in B.Sc. and M.Sc. classes at DAV College Dehra Dun regularly for five years.**

- 3. Worked as a lecturer Botany** Jan2009 - Mar2011 at Gayatri College of Biomedical Science, affiliated to HNB Garhwal University, approved by Ministry of Health, Govt. of Uttarakhand.
- 4. Conducted Lectures and Practical classes at B.Sc level during Ph.D. tenure at SSJ Campus Almora.**

**Field Of Interest:** Taxonomy (Angiosperms, Gymnosperms, Pteridophytes, Bryophytes and Lichens), Pharmacognosy, Forest Ecology, Ethnobotany & Traditional Knowledge System. also engaged in research paper publications in the field of Plant Taxonomy (pteridophytes, gymnosperms, Ecology, Ethnobotany & Traditional Knowledge System (pteridophytes, gymnosperms and angiosperms).

## **M.Sc. Dissertation: year 2001**

**Subject: Forest Ecology**

**Title:** Phytosociology of the trees occurring at Chaubatia Forest, Ranikhet, (Almora).

**Supervisor :** Prof. K.R.Verma (Dept. of Botany, S.S.J. Campus Almora).

## **Membership of Academic and Professional Society:**

- Life Member of :** 1. *Indian Fern Society* , from 2002 onwards. **87/L**  
: 2. *Society for Plant Research*, from 2002 onwards. **344**  
**Ordinary Member of :** 3. *Association for Plant Taxonomy* in the year 2004, 2005.  
4. *Indian Journal of Forestry* 2011-2017

## **Symposiums and Seminars attended:**

1. National Seminar on "Pteridophytes- The vanishing Plants", 25-26 Nov. 2002, Dept. of Botany, Panjabi University , Chandigarh- 160 014. Presented a paper entitled *A new variety Cyrtomium Presl* from Naga Hills, Manipur.
2. National Seminar on "Current Perspectives in Environmental Health Concerns" (sponsored by UGC & ICMR) , June 7-9 , 2005. Presented a paper entitled Ecology of the Ferns occurring at Chamoli and Rudraprayag Districts of Garhwal, North West Himalayas, and also presented the paper in young scientist session also.
3. National Seminar on Prashshnik Hindi Manviki avem Paryavaran Vigyan, Vaigyanik TathaTakniki Shabdawali Aayog, Manav Sansadhan Vikas Mantralaya, New Delhi, S.S.J. Campus Almora, 16-18. 06. 2003
4. State level seminar on Developing Medicinal plant Sector in Uttaranchal-Prospects, constraints in Cultivation and marketing, March 26-27, 2004, G. B. Pant Institute Of Himalayan Environment & Development, Kosi-Katarmal, Almora, Uttaranchal.Paper Presented- Market Evaluation of Medicinal Plants Sold at Almora, Uttaranchal.
5. Workshop on Intellectual Property Right, IPR Cell, Kumaun University, Nainital, 3 Dec 2016.
6. National conference on Recent advances in Science, Technology and Management, April 29-30 2017, Phonix Group of Institutions, Roorkee. Presented a paper: Threats to the Pteridophytic flora of Gangotri Valley catchment, Uttarkashi, Garhwal Himalayas, Uttarakhand.

7. National conference on Status of Upcoming Trends in Biodiversity Conservation, 6 January. January 6, 2019, Chaman Lal Mahavidyalaya, Haridwar. Presented paper: An assessment of Lithophytic Fern Flora of Upper Catchment Bhagirathi Valley Uttarkashi Dist., Garhwal Himalayas: Causes of Depletion and Conservation Strategies.
8. Workshop on Digital India Educate, Engage, Empower, Ministry of Electronics and Information Technology, Govt. Of India, 20 Sept, 2017, KU Nainital
9. National Seminar on Plants and Environment (NSSAPPE), Department of Botany, Kumaun University, Nainital. 28 March 2017.
10. National Workshop on Revival of Rivers of Uttarakhand with special reference to river Ganga, USERC Dehradun, Dept of Env Science, Dev Sanskriti Vishwavidyalaya, Haridwar, 21-22 Feb 2019. Presented paper- Future prospects of Phytoremediation of River Ganga and surrounding areas using Pteridophytes A case study.
11. National Workshop on Sensitization program on Recent Techniques of water conservation with respect to Uttarakhand State, 28 Dec 2019 at SMJN PG College in collaboration to USERC. Paper presented- Traditional Knowledge for rejuvenation of streams and water management in Uttarakhand Hills.
12. National Workshop on Recent Trends in Science and Technology on the occasion of National Science Day 28 Feb 2020 at SMJN PG College in collaboration to USERC. Paper presented- Advances in Biodiversity assessment with special reference to Lichens of Mana Village, Garhwal Himalayas.
13. National Seminar (online) on Assessment of the impact of COVID -19 Pandemic on water, Environment and Human system, 20 November 2021 USERC Dehradun, organized by Chaman Lal Mahavidyalaya Landhaura Haridwar. Paper presented- Diversity distribution and conservation of Lichens occurring in upper Gangotri catchment, Garhwal Himalayas, Uttarakhand.
14. National Seminar (online) on Assessment of Literary Theories and Philosophy of Literature 5 March 2021 ICPR New Delhi, organized by Chaman Lal Mahavidyalaya Landhaura Haridwar. Paper presented- Ornamental Ferns of Indian Sub-continent- Their role in beautification of Landscapes.
15. National Workshop on Sensitization program on Recent Techniques of water conservation with reference to River Revival, 23-24 March 2022 at

SMJN PG College in collaboration to USERC. Paper presented- Ethnomedicinally important Pteridophytes of Uttarakhand Hills.

16. 15 Days Yoga Camp at SMJN PG College Haridwar on International Yoga Day organized by IQAC SMJN PG College and Central Bureau of Communication, Regional Office, Dehra Dun 06 -21 June 2022.
17. Key note speaker in Faculty Development Programme on Technological advancement in Education and Creation of MOOCS, IQAC- SMJN PG College. Presented Lecture on Role of ICT in teaching Biology, 02-03 June 2022.
18. Resource person in Two Days National Workshop on Techniques of Solid Waste Management with Reference to Swatch Bharat Abhiyan 26-27 Feb 2022 organised by Faculty of Science, Motherhood University Roorkee, Ditt. Haridwar. Delivered Invited Lecture on Taxonomy of Pteridophytes in Reference to Uttarakhand.
19. Participated in One day seminar on Environmental concerns in Himalaya on the occasion of Prof. Y P S Pangtey Research Foundation Society on 28 August 2022.
20. National Conference on Empowering Innovative Science and Technology for Indegenous Development of Uttarakhand: Dimensions and Challenges organized by Faculty of Science, Rajkiya Mahavidyalaya Chinyalisaur, Uttarkashi, 02 march 2023. Presented paper A review on medicinal utility of Maiden Hair Fern-*Adiantum* Linn (Pteridophyta) in Traditional and Indegenous System of Medicine.

#### **Webinars attended**

21. International Webinar on Strategies against The COVID 19 Pandemic 18 June 2020 organised by Dept of Biotechnology Sir J C Bose Technical Campus K U Ntl.
22. National Webinar on Frontiers of Biodiversity Conservation and Herbal Research Organised by Chaman Lal Mahavidyalaya, Landhaura Haridwar in collaboration with Botanical Survey of India Kolkata, Ministry of Environment, Forest and Climate Change India, 9 August 2020.
23. National Webinar on Relevance of Ethnobotany in Contemporary Socio-Economic conditions organized by S K Jain Institute of Ethnobiology and School of Studies in Botany Jiwaji University, Gwalior MP, 14 August 2020.

24. International Webinar on Intellectual Property Rights-An overview: Myth and Realities, organized by Dept of Botany and Dept of Commerce & Management, KLE Society's Science & Commerce College, Kalamboli, Navi Mumbai, 6 June 2020.
25. International Webinar on Challenges & Strategies for conservation of Natural Resources, organized by Dept. of Botany GPGC Nagnath Pokhari Chamoli, Uttarakhand, Dept of Applied Sciences, University of Tech & Applied Sciences MUSCUT, Oman and Dept of Botany Bundelkhand University, Jhansi India, 6 June 2022.
26. National Webinar on Understanding Ancient Indian Mathematics in Diverse Context, organized by SMJN PG College, Haridwar, 28 July 2020.
27. National e-workshop/Webinar on Bharat mai Shiksha aur Paryawaran ke liye COVID-19 ki Vaigyanik tatha takniki shabdawali organized by Chaman Lal; Mahavidyalaya,m, Landhaura Haridwar Under Commission for Scientific and Technical Terminology Dept of Higher Education, Ministry of Human Resource and Development, 26-27 June 2020.
28. Regional Webinar on Promoting Medicinal and Aromatic Plants Sector for Sustainable Development under Post COVID -19scenario in the Western Himalayas organized by G B Pant National Institute of Himalayan Environment Kosi-Katarmal, Almora, Prof YPS Pangtey Research Foundation and Dept of Botany, KU Nainital, 28 August 2020.
29. National Webinar on World Environment Day organized by SRICC KU Nainital, SMDC, KU Nainital, Prof YPS Pangtey Foundation and IGNOU, DSB Campus Nainital, 5 June 2021.
30. National Webinar on Medicinal Plants and Community Health organized by Govt. PG Colege Nagnath-Pokhari, Chamoli, Uttarakhand, 8 June 2020.
31. National Webinar on Role of Biodiversity in Ecological Restoration on the occasion of World Environment Day organized by SMJN PG College, Haridwar, 5 June 2020.
32. National Webinar on Palaeobotany and Dendrochronology organized by Dept of Botany, Pt. LMS Govt PG College Rishikesh & Uttarakhand Open University, Haldwani, 10 August 2020.
33. A general Awareness programme on Vocabulary in COVID-19 conducted by Chamanlal Mahavidyalaya Landhaura, Haridwar, Dept of English, 6 June 2022

34. National Webinar on New opportunities in Medicinal Plants Sector For Farmers and Enterpreneuers organized by Dept of Life Sciences, Mansarovar Global University, 24 May 2020.
35. National Seminar on Environmental Concerns In Himalayas conducted by POrof YPS Pangtey Research Foundation Society, KU Nainital, 28 August 2022.

## Books Published

1. **Pragya Joshi**, H.C. Pande & P.C. Pande, 2008. Ferns of Central Himalayas – I (Chamoli & Rudraprayag). Bishen Singh, Mahendra Pal Singh, C.P., Dehra Dun.  
**ISBN: 978-81-211-0701-3**
2. P. C. Pande, M. Upadhyay & **Pragya Joshi**, 2008. Madhya Himalaya ki Sanskritik prathayein (Cultural practices of Central Himalayas). Manish Prakashan, Shree Almora Book Depot., Mall road, Almora (Uttarakhand), India.

## List of Published Papers

### National and International Journals (English) Chronologically

1. P.C. Pande, H.C. Pande & **Pragya Joshi**, 2003. *Arthromeris repandula* Ching var. *nainitalensis* (Pteridophyta)-A new variety from Western Himalayas, *Taiwania*, **48(4)**: 282-286.
2. **Pragya Joshi**, H.C.Pande & P.C.Pande, 2003 Systematics of the genus *Arthromeris* (Moore) J.Smith from Uttranchal Hills, *Vegetos*, **16**:49-60.
3. H.C. Pande, **Pragya Joshi** & P.C. Pande, 2004. *Polystichum luctuosum* (Kunze)Moore (Pteridophyta: Dryopteridaceae)- a new record for Eastern Garhwal, *Vegetos*, **17**: 67-70.
4. **Pragya Joshi**, H.C.Pande & P.C.Pande, 2004, Fern Flora of Triyugi Narayan and adjoining localities (Garhwal Himalayas), *Vegetos*, **17**: 71-80.
5. H.C. Pande, **Pragya Joshi** & P.C. Pande, 2004. Re-report of *Peranema cyatheoides* D.Don (Pteridophyta: Peranemataceae) after 93 years (1910-20030 from Garhwal Himalayas, *Indian J. Forestry*, **26(3)**: 330-332.
6. H.C. Pande, **Pragya Joshi** & P.C. Pande, 2004. A new site for *Acrophorus paleolulatus* Pich. Serm. from Western Himalayas, *Indian J. Forestry*, **27(1)**: 125-128.
7. H.C. Pande, **Pragya Joshi** & P.C. Pande, 2004. Re-discovery of a rare fern *Dryopteris gamblei* (Hope)C. Chr. (Pteridophyta: Dryopteridaceae) from Garhwal Himalayas, *Indian J. Forestry*, **27(2)**: 235-236.

8. H.C. Pande, **Pragya Joshi** & P.C. Pande, 2004. Taxonomic observations of the family Davalliaceae from Uttaranchal (Central Himalayas), *Ann. Of Forestry*, **12(1)**: 99-115.
9. H.C. Pande, **Pragya Joshi** & P.C. Pande, 2004. *Loxogramme porcata* Price (Loxogrammaceae)- a new record for Garhwal Himalayas (Uttaranchal) *Phytotaxonomy*, **3**: 63-65.
10. **Pragya Joshi**, H.C. Pande & P.C. Pande 2004. Fern Flora of Mandal and adjoining localities of Chamoli district (Garhwal Himalayas). *Indian J. Forestry*, **27(4)**: 397-403.
11. H.C. Pande, **Pragya Joshi**, & P.C. Pande 2010. Fern Flora of Ghat and adjoining localities of Chamoli district (Garhwal Himalayas). *J. Non Timber Forest Prod.*, **17(4)**:445-448.
12. H.C. Pande, **Pragya Joshi** & P.C. Pande 2004. *Loxogramme cuspidate*- A new record for North West Himalayas, *Phytotaxonomy*, **4**: 107-108.
13. H.C. Pande, **Pragya Joshi** & P.C. Pande, 2004. Re-report of a rare fern *Ctenopteris subfalcata* Blume ex Kunze (Grammitaceae)from Garhwal Himalayas. *Phytotaxonomy*, **13(2)**: 287-290.
14. H.C. Pande, **Pragya Joshi** & P.C. Pande 2005. Taxonomic observations of the family Thelypteridaceae (Pteridophyta) from Garhwal region of Central Himalayas. *Ann. of Forestry*, **13(1)**: 93-129.
15. P.C. Pande & **Pragya Joshi** 2005. Gymnospermous flora of Kumaon Himalayas- A census. *J. Econ. Taxon. Bot.*, **29(2)**: 356-363.
16. H.C. Pande, **Pragya Joshi** & P.C. Pande, 2005. *Lepisorus oligolepidus* (Bak.)Ching, Pteridophyta: Polypodiaceae –A rare fern re-reported from Western Himalayas, *Annals of Forestry*, **13(1)**: 175-177.
17. H.C. Pande, **Pragya Joshi** & P.C. Pande, 2005. *Diplazium longifolium* Moore and *Dryopteris woodsissora* Hayata- Two new records from Eastern Garhwal. *Indian Fern J.*, **22**: 115-117.
18. **Pragya Joshi** & P.C. Pande, 2006. Ecology of ferns of Chamoli and Rudraprayag districts of Garhwal (North West Himalayas). *Indian Fern J.*, **23**:52-71.
19. H.C. Pande, **Pragya Joshi** & P.C. Pande, 2006. Systematics of the genus *Cyrtomium* Presl (Pteridophyta: Dryopteridaceae) from Uttaranchal (North West Himalayas). *Indian J. Forestry*, **28(4)**: 451-456.
20. R.K. Shah, H.C. Pande & **Pragya Joshi**, 2010(b). Ecological observations of the fern flora of Uttarkashi district, Garhwal Himalayas, Uttarakhanda. In *Biodiversity Potentials of the Himalayas*. Pp. 63-86. Edit. L.M. Tewari, Y.P.S. Pangtey & Geeta Tewari. Gyanodaya Publications, Nainital.
21. **Pragya Joshi**, H.C. Pande & Brijesh Kumar 2010. Ethnobotanical observations on ferns of Chamoli and Rudraprayag Districts of Uttarakhand Himalayas. *A Handbook on Plant Taxonomy*. Edit. Veena Chandra, Systematic Botany FRI, Dehradun Pp 158- 171.
22. H.C. Pande, **Pragya Joshi** & P.C. Pande, 2009. Some new reports regarding insect-fern relationships. *Indian J. of Forestry* **32(2)**: 331-334.



23. **Pragya Joshi** & H.C. Pande, 2010. Polymorphicity in ferns occurring at Chamoli and Rudraprayag districts of Garhwal Himalayas, *Indian J. of Forestry*, **33**(2): 249-252.
24. H.C. Pande, Chhaya Singh, **Pragya Joshi** & Avneet Kaur, 2011. Taxonomic observations of the genus *Pyrrhosia* Mirbel from Dehra Dun district of Garhwal Himalayas. *The Indian Forester*, **137**(9): 1082-1088.
25. H.C. Pande, Chhaya Singh, Avneet Kaur & **Pragya Joshi**, 2012. Taxonomic observations of the Family Adiantaceae from Garhwal region of Western Himalayas. *The Indian Forester*, **138**(2):146-153.
26. **Pragya Joshi** and S.P. Joshi, 2013. Pteridophytes of Lansdowne and adjacent Places, Pauri District (Garhwal Himalayas). *Indian J. of Forestry* **36**(1): 147-150.
27. **Pragya Joshi** and S.P. Joshi, 2013. Pteridophytic Flora of Deoria Tal - Rudraprayag district, District (Garhwal Himalayas). *Indian J. of Forestry* **36**(3): 369-374.
28. **Pragya Joshi**, S. P. Joshi and R.K. Jain 2015 Diversity, Distribution, Habitat preference and Conservation of the Fern Flora of Tungnath and adjoining areas, Rudraprayag District (Garhwal Himalayas) Uttarakhand. *Indian J. of Forestry*, **38** (2): 187-194.
29. **Pragya Joshi** & S. P. Joshi 2015 Fern Flora of Nachiketa lake and adjoining areas of Uttarkashi District (Garhwal Himalayas). *Indian J. of Forestry*, **39** (3): 265-268.
30. **Pragya Joshi** and S.P.Joshi 2016. Present Status of Pteridophytic diversity of Triyugi Narayan and adjoining localities, Rudraprayag District (Garhwal Himalayas). *Indian J. of Forestry*, **39**(1): 81- 86.

#### **National Journal (Hindi)**

31. **Pragya Joshi** & H.C.Pande 2004 Uttaranchal main paaye jane wale adhipadapiya (Epiphytic) fern unke prakar, visheshtaya avem sarankshan ke upay, *Vigyanwani* (NBRI Lucknow), **10**(1): 28-32.
32. P.C.Pande, M.Upadhyay, R.Bachkheti and **Pragya Joshi**, 2008, Kumaon Himalaya ki alp gyat aushadhiyan. Pp-121-128. Uttarakhand Himalaya ki Prachin Prathayein, P. C. Pande. Shree Almora Book depot, Almora.
33. **Pragya Joshi** & H.C.Pande, 2010. Uttarakhand mein paye jane wale ferno ke bijanudhanipunj avem unke visheshtayein, Botanical Survey of India, *Vanaspati wani* 45-55.

#### **Abstracts published**

1. H. C. Pande, **Pragya Joshi** & P. C. Pande, 2002. A new variety of *Cyrtomium* Presl from Naga Hills, Manipur, Abs. Vol. Pteridophytes –The vanishing plants, Punjab University, Chandigarh Pp. 22.
2. **Pragya Joshi** & P.C. Pande, 2005. Ecology of the ferns in context to Chamoli and Rudraprayag Distrits (Garhwal: North West Himalayas), National Seminar on current perspectives in Environmental Health concerns, sponsored by ICMR & UGC at D.A.V., P.G. College Dehra Dun.

3. **Pragya Joshi** & P.C. Pande, 2004. Uttaranchal mein payee jane wale Adhi padapiya fern va unke prakar, vishstayein, sanrakshan ke upaye, Pp. 83. T리티या Akhil Bhartiya Vigyan Sammelan, Rashtriya Bhautik Prayogshala, Delhi. Aayojak: Vigyan Bharti, Rashtriya Bhautic Prayogshala, Vaigyanik tatha takniki shabdawali Ayog, Delhi.
4. **Pragya Joshi** and S.P. Joshi, 2017. Threat to the Pteridophytic Diversity From Upper Catchment of Bhagirathi Valley Uttarkashi District, Garhwal Himalayas, Uttarakhand. National conference on Recent advances in Science, Technology and Management, Pp 68, April 29-30, Phonix Group of Institutions, Roorkee.
5. **Pragya Joshi**, 2019. An assessment of Lithophytic fern flora of upper Catchment of Bhagirathi Valley, Uttarkashi District, Garhwal Himalayas: causes of depletion and conservation strategies, Pp. 1947. National conference on Status of Upcoming Trends in Biodiversity Conservation, 6 January. Chaman Lal Mahavidyalaya, Haridwar.



