


Curriculum Vitae

Full name	Dr. Prabhawati Tiwari		
Designation	Associate Professor		
Department	Department of Botany and Microbiology		
Campus	Birla Campus, HNBGU, Srinagar Garhwal		
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Educational Qualification	Degree	University	Year
	D.Phil.	HNBGU Srinagar Garhwal	1992
	M.Sc.	HNBGU Srinagar Garhwal	1986
Teaching Experience: 26 years		Research Experience: 34 years	
Research Interest and Field of Specialization:			
<ol style="list-style-type: none"> 1. Palynology 2. Melissopalynology 3. Apiculture 4. Plant diversity 			
Fellowships, awards and Invited Lectures delivered in Conferences/Seminars:			
❖ IFS-1985 Batch Prize Award for the year 2018, FRI, Dehradun, India (dated 15/08/2020)			

Research Supervision:		
No. of Ph.D. Degree Awarded: 07		
Name of the student	Title	Year of Award
Radha Ballabha	Floristic diversity and quantitative features of vegetation around Alaknanda river: A case study of the Srinagar hydroelectric project in Garhwal Himalaya	2011
Archana Gairola	Apicultural Palynology on the flora of district Uttarkashi, Garhwal Himalaya	2013
Pooja Kannoja	Screening of fungi associated with the seeds of <i>Jatropha curcus</i> (Euphorbiaceae) with particular reference to deterioration and management	2013
Ekta Chaudhary	Palynological studies on bee forage plants and biochemical analysis of pre-dominant pollen types from Khirsoo region of Garhwal Himalaya, Uttarakhand	2018
Preeti Naithani	Studies on panynology and physicochemical properties of honeys from Garhwal Himalaya	2018
Neeraj Rana	Studies on forest composition, carbon stock, regeneration status and economic evaluation in a temperate forest of Garhwal Himalaya	2022
Bharti	Community structure, floristic diversity and allelopathic effects of some weeds along river Mandakini, Rudraprayag, India	2022

No. of Ph.D. Degree Registered: 04		
Name of the student	Title	Year of registration
Eja Gloch	Study on metabolites, mineral composition, and antibacterial properties of bee pollen collected from hives of <i>Apis</i> spp. in district Pauri and Rudrapur, Garhwal Himalaya	2017
Shikha Arya	Aerobiological studies in Srinagar valley of Garhwal Himalaya, Uttarakhand	2017
Shivani Negi	Pollen flora of Rudrapur district, Garhwal Himalaya, Uttarakhand	2021
Ruchita	Pollen flora of Chilla Range in Rajaji National Reserve, Uttarakhand	2021

Research Project:			
Title	Funding Agencies	Total cost	Completed/Ongoing
Capacity building of Hill Women in Uttarakhand through Bee Farming: A Melissopalynological Approach	DBT New Delhi	15,78,600	Completed

Scientific visits abroad :			
The International postgraduation course	Commercial beekeeping in Modern Agriculture	Hebrew University of Jerusalem, Israel (20/12/2010 to 13/01/2011)	

Publications during last five years (2017–2022):
<p>Books: 02</p> <ol style="list-style-type: none"> 1. Tiwari, P., Tiwari, J.K. & Rawat, D.S. (2021). <i>Maun Palan; Parvatiyamahilaonkeliye ek sah-vyavsaye</i>. P.K. Publishers and Distributors, Delhi. pp. 180. ISBN 978-81-950911-5-7. 2. Book edited: 01-Tiwari P. (2021 Chief Course Editor), <i>M. Sc. II Semester LABORATORY PRACTICAL II</i> (2022, units 15), Uttarakhand Open University, Haldwani, Nainital. pp. 297. ISBN 978-93-90845-97-2.
<p>Articles in Journals: 34</p> <ol style="list-style-type: none"> 3. Rawat, D.S., Praveen, M., Nautiyal, M., Tiwari, P. & Tiwari, J.K. (2017). Diversity and dominance of understory herbs in three montane forests of Western Ramganga Valley, Garhwal Himalaya. <i>ENVIS Bulletin Himalayan Ecology</i>, 25: 75–80. 4. Rawat, D.S., Ballabha, R., Suri, S., Tiwari, J.K. & Tiwari, P. (2017). Phytoremediation in the debris dumping sites of a hydroelectric power project: A case study from Srinagar (Garhwal), Western Himalaya, India. <i>Environment Conservation Journal</i>, 18(3): 189–197. 5. Parveen, M., Tiwari, P., Rawat, D.S. & Tiwari, J.K. (2017). Tree species richness and regeneration pattern along the anthropogenic disturbance gradients in montane forests of Garhwal Himalaya, India. <i>Plant Archives</i>, 17(2): 1247–1254.

6. Rawat, D.S., Tiwari, J.K., **Tiwari, P.** & Singh, H. (2017). Floristic diversity of montane zone of Western Ramganga Valley, Uttarakhand, India. *Journal of Economic and Taxonomic Botany*, 40(3–4): 104–125.
7. Rawat, D.S., Tiwari, J.K., **Tiwari, P.** & Nautiyal, M. (2017). *Lysionotus serratus* D. Don a noteworthy plant species from Chamoli, Western Himalaya. *Annals of Plant Sciences*, 6(1): 1492–1493.
8. Rawat, D.S., **Tiwari, P.** & Uniyal, P.L. (2017). Understanding plant community structure and regeneration dynamics for conservation of biodiversity in Uttarakhand region. *Botanica*, 67: 106–114.
9. **Tiwari, P.**, Uniyal, P.L. & Chaudhary, E. (2017). Effect of sucrose on in-vitro pollen germination of *Gloriosa superba* L.- A medicinal plant from the Garhwal Himalaya. *Environment Conservation Journal*, 18: 183–187.
10. **Tiwari, P.** & Naithani, P. (2017). Physiochemical Properties of some honey samples of different floral origins from Garhwal Himalaya. *Journal of the Indian Botanical Society*, 96: 243–252.
11. **Tiwari, P.**, Naithani, P., Saklani, S. & Rawat, D.S. (2017). Phenolic content, antioxidant activity and palynological analysis of some multifloral honeys from Garhwal Himalaya. *International Journal of Pharmacy and Biological Sciences*, 7(3): 84–92.
12. Verma, K., Urfan, M. & **Tiwari, P.** (2017). In vitro pollen germination, tube growth and pollen viability of some Angiospermic taxa from Srinagar Valley (Garhwal Himalaya). *International Journal of Engineering Technology Science and Research*, 4(12): 345–353.
13. Rawat, D.S., Tiwari, J.K., **Tiwari, P.**, Nautiyal, M., Praveen, M. & Singh, N. (2018). Tree species richness, dominance and regeneration status in western Ramganga valley, Uttarakhand Himalaya, India. *Indian Forster*, 144(7): 595–603
14. Parveen, M., Tiwari, J.K., Nautiyal, M., **Tiwari, P.** & Rawat, D.S. (2018). Effects of anthropogenic disturbances on community structure and regeneration status of tree species in reserved and panchayat forests of Pauri Garhwal, Western Himalaya, India. *NeBIO*, 9(1): 150–157.
15. Rawat, D.S., Tiwari, J.K., Uniyal, P.L. & **Tiwari, P.** (2018). Assessment of fodder species in Western Ramganga Valley, Uttarakhand, India. *International Journal of Tropical Agriculture*, 36(1): 23–36.
16. Nautiyal, M., **Tiwari, P.**, Tiwari, J.K. & Rawat, D.S. (2018). Fodder diversity, availability and utilization pattern in Garhwal Himalaya, Uttarakhand. *Plant Archives*, 18(1): 279–289.
17. Chaudhary, E., **Tiwari, P.**, Tiwari, J.K. & Uniyal, P.L. (2018). Importance of Palynological Studies on Bee Forage Plants. *Botanica*, 68: 177–123.
18. Kumar, N., Rawat, D.S., Bharti & **Tiwari, P.** (2018). Abundance and visitation rate of *Apis* pollinators on flowers of some multipurpose tree species grown in Muzaffarpur, Bihar, India. *Indian Journal of Scientific Research* 8(2): 29–34.
19. Chaudhary, E., **Tiwari, P.** & Uniyal, P.L. (2018). Macro and essential trace elements in *Apis cerana-indica* honey from Garhwal Himalaya, India. *International Journal of Plant and Environment*, 4(1): 49–54.
20. Chaudhary, E., **Tiwari, P.** & Uniyal, P.L. (2018). Morphology and pollen chemistry of bee forage taxa of family Rosaceae from Garhwal Himalaya, Uttarakhand, India. *Journal of Apicultural Science*, 62(2): 167–177. **Impact Factor 1.526 (2022).**
21. Uniyal, P.L., **Tiwari, P.** & Chaudhary, E. (2018). Studies on floral sources, phenolic, flavonoid, proline contents and anti-oxidant capacity of honey from the Khirsoo area of

- Pauri, Uttarakhand, India. *Indian Journal of Agricultural Sciences* 88(10): 1537–1542. **Impact Factor 0.374 (2022).**
22. Singh, N., Bagri, A.S., Shabir, M. & **Tiwari, P.** (2019). On the Occurrence of *Gentiana cephalodes* (Gentianaceae) in Garhwal Himalaya, India. *Journal of Biological and Chemical Research*, 36: 158–161.
 23. Ballabha, R., Kuniyal, A., **Tiwari, P.** & Tiwari, J.K. (2020). Forest Structure and Composition in the Vicinity of Srinagar Hydroelectric Power Project in Alaknanda Valley, Garhwal Himalaya, India. *Journal of Forest and Environmental Science*, 36(2): 78–90.
 24. **Tiwari, P.**, Bharti, Rawat, D.S. & Singh, N. (2020). Weed floristic composition and diversity in paddy fields of Mandakini valley, Uttarakhand, India. *International Journal of Botany Studies*, 5(3): 334–341.
 25. Rawat, D.S., **Tiwari, P.**, Das, S.K. & Tiwari, J.K. (2020). Tree species composition and diversity in montane forests of Garhwal Himalaya in relation to environmental and soil properties. *Journal of Mountain Science*, 17(12): 3097–3111. **Impact Factor 2.371 (2022).**
 26. Rautela, B. & **Tiwari, P.** (2020). Weed Flora of District Rudraprayag, Uttarakhand, India. *International Journal of Botany Studies*, 5(6): 361–367.
 27. Rautela, B & **Tiwari, P.** (2021). Folk Uses of Weeds from District Rudraprayag, Uttarakhand, India. *Plant Archives*, 21(1): 1537–1542.
 28. Rawat, D.S., Bagri, A.S., Parveen, M., Nautiyal, M., **Tiwari, P.** & Tiwari, J.K. (2021). Pattern of species richness and floristic spectrum along the elevation gradient: a case study from western Himalaya, India. *Acta Ecologica Sinica*, 41(6): 545–551.
 29. Naithani, P., Gupta, S., Gloch, E. & **Tiwari, P.** (2021). Characterisation of Garhwal Himalayan honeys by their botanical origin and mineral contents. *International Journal of Botany Studies*, 6(5): 1184–1193.
 30. Rawat, D.S., Das, D.S., **Tiwari, P.**, Naithani, P. & Tiwari, J.K. (2021). Physicochemical properties of soil under different forest types in the Western Ramganga Valley (Uttarakhand Himalaya, India). *Aasian Plant Research Journal*, 8(4): 1–14.
 31. Rawat, V., Bagri, A.S., Singh, H., **Tiwari, P.** & Tiwari, J.K. (2021). Altitudinal variation in soil physico-chemical properties of a Western Himalayan Forest, Uttarakhand, India. *Journal of Mountain Research*, 16(3): 111–119.
 32. Singh, N., **Tiwari, P.**, Bagri, A.S., Rawat, V., Rautela, B. & Rawat, D.S. (2021). Pattern of forest resource utilization in some villages of Pauri Garhwal, Uttarakhand, India. *Journal of Mountain Research*, 16(3): 279–289.
 33. **Tiwari, P.**, Gloch, E., Bagri, A.S., Ahmed, F. & Rawat, D.S. (2022). Pollen morphology of some taxa of Rosaceae from Garhwal Himalaya - I. *Indian Forester*, 148(2): 213–222.
 34. Bagri, A. S., Singh, N., Singh, A., Singh, H., Hussian, J., Dhingra, G. & **Tiwari, P.** (2022). Dynamics of carbon pool in Oak dominated community forests of District Tehri Garhwal, Uttarakhand, India. *Ecological Questions*, 33(2): 1–14.
 35. Kumar, A., Shabir, M., Gloch, E., **Tiwari, P.** & Gaur, R. D. (2022). Pollen morphology of certain species of genus *Gentiana* L. (Gentianaceae) from Western Himalaya, India. *Nelumbo*, 64 (1): 113–122.
 36. Arya, S., **Tiwari, P.**, Gautam, A. S., & Sharma, M. (2022). Aeropalynology of *Parthenium hysterophorus* L. in relation to meteorological parameters from Srinagar valley of Garhwal Himalaya, Uttarakhand. *Nature Environment and Pollution Technology*, 21: 1775–1781.

Book Chapters: 02

37. Rawat, D.S., Uniyal, P.L., Nautiyal, M., **Tiwari, P.** & Tiwari, J.K. (2018). Studies on the fodder resources in a montane valley of Uttarakhand, Western Himalaya, India. In: Singh, K.K. & Singh, S.P. (Eds.), *Innovative Agriculture and Botany*. Victorious Publishers, New Delhi, India, pp. 136–149. ISBN 9789387294141.
38. Arya, S., Sharma, R., Bagri, A.S., Gloch, E., **Tiwari, P.**, & Gautam, A.S. (2020). Pollen morphology of some anemophilous plants 27 in Srinagar Garhwal, Uttarakhand. In Gautam, A.S. (Ed.), *Recent Advancements in Sciences with Special Reference to Himalaya*. Ancient Publishing House, Delhi. pp. 27–39. ISBN 978-93-84866-91-4.

Hindi Articles: 01

39. Rawat, D.S., Das, D.S., Dash, S.S. & **Tiwari, P.** (2018). Bharat ke paschim Himalay mai stith vishvadhharohar sthal: Great Himalayan National Park. *Aviral Newsletter*, 1: 04–05.

Citations: 531

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