

### ACADEMIC PROFILE OF FACULTY MEMBER

1. Name: Dr. Lalit Mohan Tewari
2. Designation: Professor
3. Qualification: M. Sc., Ph.D.
4. Area of Specialization/Research field: Floristic and medicinal plants
5. Awards/Recognitions: 1. Research associateship CSIR, New Delhi 1994  
2..Fellow of Botanical Society(FBS).  
3 Received certificate from H.E. Hon Governor Uttarakhand for NSS on 4 March 2017 at Dehradun.  
4. Received certificate from H.E. Hon Governor Uttarakhand forNSS on 2018 at Dehradun.  
5. Uttarakhand Ratna Award, 2016 by AICOL.  
6. Received Appreciation Letter for nss from Additional Director, Education, Kumaun Zone, 6th October 2015.

6. Number of Research projects:

i) Completed

S/ N	Title of the project	Funding Agency	Amount (Rs.)	Year (From-To)
1.	UGC Minor project (2002-03) on Rare and Endangered ferns of Kumaun Conservation and Management (PI)	UGC, New Delhi	40,000.00	2002-03
2.	UGC Minor project on Studies of Ethnobotanical Interests of Kumaun Himalaya (PI)	UGC, New Delhi	35,000.00	2006-07
3.	<i>In vitro</i> Micropopagation of <i>Meizopteris pellita</i> (vern Patwa): A rare, endangered and endemic plants of Patwadangar, Nainital, Uttarakhand (Co-PI)	UCOST, Dehradun	4.15 Lakhs	2007-09
4.	<i>In vitro</i> Micropopagation of <i>Rhododendron arboreum</i> Smith (Vern. Burans) An Important Forest Species of Uttarachal Hills (Co-PI)	DBT, GOI, new Delhi	15.25 lakhs	2007-10
5.	<i>In vitro</i> mass multiplication of superior clones of Apple ( <i>Pyrus Malus</i> L.) cultivars of Ramgarh Region of Mukteshwar Kumaun Hills, Uttarakhand (Co-PI)	DBT, GOI, new Delhi	Rs.12.50,8 lakhs	2012
6.	Studies on conservatoin of <i>Ginkgo biloba</i> linn. (Ginkgoaceace): A rare exotic medicinal plant (PI)	UGC, New Delhi	8.018 lakhs	2012-15
7.	Restoration and digitization of herbarium (PI)	UCOST, Dehradun	. 4,10 lakhs	2012
8.	Studies on floristic analysis of Ranikhet (PI)	Innovative Research Activities Scheme (U. G. C.), Kumaun University, Nainital	1.05 lakh	2016-17
9.	IERP scheme entitled "Ecological, taxonomical and ethnobotanical study of wild edible plants of Nainital district in Uttarakhand, India" (PI)	GBPNIHESD, Kosi, Katarmal	13.65 lakhs	2016-19

ii) On-going:

S/ N	Title of the project	Funding Agency	Amount	Date of Commencement	Expected date of completion
1	To establish a DNA-barcoding and chemotaxonomy empowered herbarium of lichen-species of Uttarakhand-Himalaya and development of a resource group for conservation and characterization of lichen-biodiversity” 2016-2019 (Co-PI)	GBPNIHESD, Kosi, Katarmal	62.00 lakhs	2018-2021	2018-21
2	National campaign on <i>Tinospora cordifolia</i> (Amrita) for life (PI)	Ministry of Ayush, NMPB, New Delhi	18.90 lakhs	2019-2020	2020-21

7. Number of Ph. Ds awarded: 31

8. Number of candidates working for Ph.D. award: 8

9. Publications:

i) Books

S/N	Author/s	Title	Publisher	Year of publication
1	Lalit Tewari, Neha Singh, Kanchan Upreti and Y.P.S. Pangtey.	Medicinal Plants of Ranikhet	Consul Book Depot, Nainital	2008
2	Lalit M. Tewari, Y.P. S. Pangtey, Geeta Tewari	Biodiversity Potentials of the Himalaya (ISBN no. 85097-82-8)	Gyanodaya Prakashan, Nainital	2010
3	G. C. Joshi and Lalit M. Tewari, Naveen Ch. Pandey, Brij. M. Upreti	Flora of Ranikhet, Western Himalaya.	Indu, Book Services, New Delhi ISBN. 978-93-86754-22-6..	2018
4	Jagdish, Chandra Arya, G.C. Joshi and Lalit M. Tewari	Medicinal Flora of Tarai Region of Uttarakhand.	Shree Publishers and Distributors, New Delhi, ISBN. 978-81-8329-941-1.	2018
5	Deepshikha Arya, G.C. Joshi and Lalit M. Tewari	Crude Drug Plants of Uttarakhand,	Indu Book Services Pvt. Ltd. (Publishers & Distributors) New Delhi. ISBN. 978-93-8675-416-5	2018
6	Hemlata Kholiay, Dalip K. Upreti, Lalit. M. Tewari, Gaurav K. Mishra	Lichens of Nainital, Western Himalaya	Shree Publishers and Distributors, New Delhi, ISBN. 978-81-8329-940-4	2018
7	, Brij Mohan Upreti, Ashish Tewari, Lalit M. Tewari and Naveen Chandra Pandey.	Sacred Forests of Pithoragarh, Western Himalaya, India.	Indu Book Services Pvt. Ltd. (Publishers & Distributors) New Delhi. ISBN. 978-93-86754-44-8	2019
8	Puran S. Bungla, Ranbeer S. Rawal and Lalit M. Tewari	Agri-Diversity Patterns and Local Food Systems in Kuloor Watershed of	Indu Book Services Pvt. Ltd. (Publishers & Distributors) New	2019

		Kumaun, West Himalaya	Delhi. ISBN. 978-93-86754-50-9.	
9	Jeewan Singh Jalal, Renu Suyal and Lalit M. Tewari.	Orchids of Nainital, Western Himalaya, India (2019)	Indu Book Services Pvt. Ltd. (Publishers & Distributors) New Delhi. ISBN. 978-93-86754-52-3	2019
10	Gokul Singh Martolia, Yashpal S. Pangtey, Lalit M. Tewari and Naveen Chandra Pandey	Pteridophytic Flora of Nainital District, Western Himalaya, India. (2020)	Indu Book Services, New Delhi, ISBN. 978-93-86754-67-7	2020
11	Deepika Bhatt, G.C. Joshi, Lalit M. Tewari and Naveen Chandra Pandey..	Traditional Medicinal Systems and Threatened Medicinal Plants of Kumaun, Western Himalaya, India.	Indu Book Services, New Delhi, ISBN. 978-93-86754-70-7	2020
12	Geeta Tewari, Ashish Tewari, Lalit M. Tewari, Chitra Pande (Editors)	Natural Products and Their Utilization Pattern, ISBN: 978-1-53618-140-1 (in press)	Nova Science Publishers, NY, USA	2020

ii) Research Articles published

Mention complete list of publications indicating authors, title, name of the journal, year, volume and page numbers.

**(A) In Journals**

1. **L.M. Tewari**, R.S. Rawal and Y.P.S.Pangtey. Ecology of *Drynaria mollis* Bedd. (Drynariaceae) in Kumaun (Western Himalaya). Geobios New Report. 11, 180-183 (1992).
2. Y.P.S.Pangtey, R.S. Rawal and **L.M. Tewari**. Second List of species and genera of ferns not included in JF Duthie's catalogue of plants of Kunaun. Geobios New Report. 11, 150-153 (1992).
3. Y.P.S. Pangtey, S.S. Samant, R.S. Rawal and **L.M. Tewari**. A note on the recollection of rare fern *Phegopteris connectilis* (Michx.) Watt (Thelypteridaceae) from Kumaun (North Western Himalaya). Indian Journal of Forestry. 15(3), 279 (1992).
4. Y.P.S.Pangtey, R.S. Rawal and **Lalit.M. Tewari**. Enumeration of High Altitude Pteridophytes of Kumaun Himalaya. Geobios New Report. 11, 191-194 (1992).
5. **Lalit.M. Tewari** and Yash Pal S.Pangtey. Epiphytic ferns around Nainital Hills in Kumaun Himalaya: taxonomic and ecological appraisal. Hima-Paryavaran 10(1), 6-8 (1998).
6. **Lalit.M. Tewari**. A threatened endangered, endemic plant: Patwa. Current Science 75(6), 544 (25 September 1998). **Impact factor: 0.756**
7. Y.P.S.Pangtey and **Lalit M. Tewari**. Further additions of the ferns flora of Nainital (North Western Himalaya). Indian Journal of Forestry, 21(4), 355-356 (1998).
8. Y.P.S.Pangtey and **L.M. Tewari**. *Lepisorus sublinearis* (Baker ex Takeda) Ching (Polypodiaceae): An interesting addition to the fern flora of North-Western Himalaya. Indian Journal of Forestry. 21(4), 385-386 (1998).
9. Y.P.S.Pangtey and **L.M. Tewari**. *Selaginella vaginata* Spring (Selaginellaceae): A poorly known species in the pteridophytic flora of North-Western Himalaya. Indian Journal of Forestry. 22, 278-280 (1999).
10. Y. P. S. Pangtey, **Lalit M. Tewari**, Kanchan Upreti and Anita Martolia. *Pteris pellucida* Presl (Pteridaceae: Pteridophyta): A rare taxom in Kumaun Himalaya. Journal of Economic & Taxonomic Botany. 31(2), 458-459 (2007).
11. Y. P. S. Pangtey, **Lalit M. Tewari**, Gitika Balutia, and Kanchan Upreti. Additions to the fern flora of Ranikhet in Kumaun (West Himalaya). Journal of Economic & Taxonomic Botany, 31(2), 264-268, (2007).
12. Y. P. S. Pangtey, **Lalit M. Tewari**, Kanchan Upreti and Jeevan S. Jalal. On the occurrence of *Rubus niveus* Thunb. (family Rosaceae) in the Tarai region of Kumaun in Uttarakhand. Indian Journal of Forestry. 31(1), 117-118 (2008).
13. Dinesh Giri, Dhani Arya, Sushma Tamta and **Lalit M. Tewari**. Dwindling of an endangered orchid *Dactylorhiza hatagirea* (D.Don) Soo: A case study from Tungnath Alpine meadows of Garhwal Himalaya, India. Nature and Science, 6:3, 1545-0740 (2008).
14. Dinesh Giri, **Lalit M. Tewari** and Sushma Tamta. Quantitative analysis of tree species in oak dominant forest of Uttarakhand, Central Himalaya. Indian Journal of Botanical Research (CMRA), 4(2): 313-318 (2008).

15. Geeta Tewari, **Lalit Tewari**, P.C. Srivastava, and Bali Ram. Effect of soil type and moisture regime on long-term changes in chemical fractions of copper in polluted soils. *Chemical and Environmental Research*. 17(1&2), 139-153 (2008).
16. Geeta Tewari, **Lalit Tewari**, P.C. Srivastava and Bali Ram. Chemical Transformation of Copper in Some Sludge Amended Soils. *Archives of Agronomy and Soil Science*. 55(4): 415-427 (2009).
17. Priti Kumari, **Lalit M. Tewari**, Tapan K Nailwal, Lalit Singh, Geeta Tewari and Bibbesh K. Singh. Chromosomal abnormalities arising under the action of antibiotics in *Pisum sativum*. *Nature and Science*, 7(3), 104-112 (2009).
18. Mamta Rani, Y.P.S. Pangtey, **Lalit M. Tewari**, Sanjay Kumar, Jeevan Singh Jalal, Anita Martolia, Kanchan Upreti and Tapan Nailwal. Taxonomic studies on the family Pteridiaceae Ching and Pteridaceae Ching (Pteridophyta) in Uttarakhand. *Researcher*, 1(4): 15-41 (2009).
19. Priti Kumari, **Lalit M. Tewari** and Girish C. Joshi. Polymerization in fluidics and stabilizable bioactive molecular complexes of variable structures. *Nature and Science*. 7(4): 51-56 (2009).
20. Manmohan S. Khanka, **Lalit M. Tewari**, Sanjay Kumar, Lalit Singh and Tapan K. Nailwal. Extraction of high quality DNA from *Diploknema butyracea*. *Researcher*, 1(3): 33-35 (2009).
21. Rohit Joshi, Tapan K. Nailwal, **Lalit M. Tewari** and Alok Shukla. Exploring Biotechnology for conserving Himalayan Biodiversity. *Researcher*, 1(3): 36-45, (2009).
22. Sarita Negi, **Lalit M. Tewari**, Y.P.S. Pangtey, Sanjay Kumar, Anita Martolia, Jeevan Jalal and Kanchan Upreti. Taxonomic studies on the family Polypodiaceae (Pteridophyta) of Nainital Uttarakhand. *New York Science Journal*. 2(5): 47-83 (2009).
23. **Lalit M. Tewari**, Geeta Tewari, Tapan Nailwal and Y.P.S. Pangtey. Bark factors affecting the distribution of epiphytic fern communities. *Nature and Science*, 7(5); 76-81 (2009).
24. Jeewan Singh Jalal, Pankaj Kumar, **Lalit M. Tewari** and Y.P.S.Pangtey. Conservation status of the endemic orchid *Peristylus kumaonensis* Renz. (Orchidaceae) of Western Himalaya, India. *Nature and Science*, 7(5): 86-89 (2009).
25. Priti Kumari, **Lalit M. Tewari** and Bibesh K. Singh. Biodiversity in Utrakhand Himalaya region. *Nature and Science*, 7(3): 113-125 (2009).
26. Y.P.S. Pangtey, **Lalit M. Tewari** and Kanchan Upreti. Nomenclature changes in the Pteridophytic flora of upper Gangetic Plain. *Journal of Plant Developmental Sciences*, 1 & 2: 17-19 (2009).
27. Y.P.S. Pangtey, **Lalit M. Tewari** and Kanchan Upreti. Some recent additions to the fern flora of Western Himalaya I. *Journal of Plant Developmental Sciences*, 1 & 2: 65-67 (2009).
28. Jeewan Singh Jalal, **Lalit M. Tewari** and Y.P.S.Pangtey. *Nervilia gammieana* (Hook.f.) Pfitzer (Orchidaceae) - a new record for Kumaun Himalaya, India. *Journal of American Science*, 5(3) 91-94 (2009).
29. Poonam Tripathi, **Lalit M. Tewari**, Ashish Tewari, Sanjay Kumar, Y.P.S. Pangtey and Geeta Tewari, Gymnosperms of Nainital. *Report and Opinion*, 1(3): 82-104 (2009).
30. G.C.Joshi, **Lalit M. Tewari**, Nidhi Lohani, Kanchan Upreti, Jeevan S. Jalal and Geeta Tewari. Diversity of orchids in Uttarakhand and their conservation strategy with special reference to their medicinal importance. *Report and Opinion*, 1(3): 47-52 (2009).
31. Kanchan Upreti, Jeewan S. Jalal, **Lalit M. Tewari**, G. C. Joshi, Y.P.S.Pangtey and Geeta Tewari. Ethnomedicinal uses of Pteridophytes of Kumaun Himalaya, Uttarakhand, India. *Journal of American Science*, 5(4): 167-170 (2009).
32. Manisha Pant, Tapan Kumar Nailwal, **Lalit M. Tewari**, Sanjay Kumar, Priti Kumari, Hemlata Kholia and Geeta Tewari. Molecular Characterization of Valeriana Species with PCR, RAPD and SDS PAGE. *Nature and Science*, 7(7): 41-49 (2009).
33. Jeewan Singh Jalal, **Lalit M. Tewari** and Y.P.S.Pangtey. *Pholidata articulata* Lindl., An orchid used in bone jointing in Kumaun Region, Western Himalaya. *Ethnobotanical Leaflets*, 13: 1047-1050 (2009).
34. Deepika Bhatt, G.C. Joshi and **L.M. Tiwari**. Culture, habitat and ethno-medicinal practices by Bhotia Tribe people of Dharchula Region of Pithoragarh District in Kumaun Himalaya, Uttarakhand. *Ethnobotanical Leaflets* 13: 975-83 (2009).
35. Priti Singh, Bibbesh K. Singh, Girish C. Joshi, **Lalit M. Tewari**. Veterinary Ethno-Medicinal Plants in Uttarakhand Himalayan region. *Ethnobotanical Leaflets* 13: 1312-27 (2009).
36. Y.P.S. Pangtey, **Lalit M. Tewari** and Kanchan Upreti. *Osmunda claytaniana* L. subsp. *vestita* (Wall. Ex Milde) A. Love & D. Love (Osmundaceae: Pteridophyta)- Hitherto unknown name in the fern flora of the West Himalaya. *Journal of Economic & Taxonomic Botany*, 33(1):44-46 (2009).
37. Y.P.S. Pangtey, **Lalit M. Tewari** and Kanchan Upreti. Taxonomic notes on some West Himalaya ferns. *Journal of Economic & Taxonomic Botany*, 33(1):47-50 (2009).
38. Y.P.S.Pangtey, **Lalit M. Tewari** and Kanchan Upreti. *Selaginella repanda* (desv. Ex poir.) Spring (Selaginellaceae: pteridophyta): a new record for north west Himalaya from Nainital. *Indian Journal of Forestry*, 32(4) 613-614 (2009).
39. G. Bhattacharyya, G.C. Joshi and **L.M. Tewari**. A new folk medicine for snake bite from Kumaun Himalaya. *Arhavaidyan*, 23(3): 144-147 (2010).
40. Geeta Tewari, **Lalit Tewari**, P.C. Srivastava and Bali Ram. Nickel chemical transformation in polluted soils as affected by metal source and moisture regime. *Chemical Speciation and Bioavailability*, 22(3), 141-155, (2009).  
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41. Y.P.S. Pangtey, Gokul S. Martolia and **Lalit M. Tewari**. New Record of Ferns in the Fern Flora of Nainital Hills. *Indian Journal of Forestry*, 33(3) 451-452 (2010).

42. G. Bhattacharya, G.C. Joshi and **L.M. Tewari**. Invasive effect of exotic pines: A case study of Kalika forest. *The Indian Forester*, 136(12), 1699-1703 (2010).
43. Ankita Garkoti, **L.M.Tewari** and Sanjay Kumar. Shrubs of D.S.B. Campus, Nainital. *Oaks*, 6:35-39 (2010). ISSN No. 0975-5918.
44. Manoj Dhama, **L.M.Tewari**, J.S. Jalal and Sanjay Kumar. The epiphytic orchids of Nainital and their host species. *Oaks*, 6:39-43 (2010). ISSN No. 0975-5918.
45. Y.P.S. Pangtey, Gokul S. Martolia and **Lalit M. Tewari**. On the recollections of two imperfectly known ferns in the fern flora of Nainital hills. *Indian Journal of Forestry*, 33(4):639-641 (2010).
46. Y.P.S. Pangtey, C.R. Fraser-Jenkins, **Lalit M. Tewari** and Kanchan Upreti. Ferns of Nainital, W. Himalaya: Some changes and corrections. *Indian Fern Journal*, 27: 152-177 (2010)
47. Y.P.S. Pangtey, **Lalit M. Tewari** and Kanchan Upreti. A list of excluded species of ferns and fern-allies in Dixit & Kumar's (2002) Pteridophytes of Uttaranchal. *Indian Fern Journal*, 27:108-151 (2010).
48. Gautam Bhattacharya, G.C. Joshi and **Lalit M. Tewari**. New plant record of traditional medicine from Ranikhet. *Journal of Economic and Taxonomic Botany*, 34(4): 719-724 (2010).
49. **Lalit M. Tewari**, Jeewan S. Jalal, Sanjay Kumar, Y.P.S. Pangtey and Rupesh Kumar. Wild and exotic gymnosperms of Uttarakhand, Central Himalaya, India. *Electronic Journal of Biological Sciences*. 4(1): 32-36 (2010).
50. Y.P.S. Pangtey, Gokul S. Martolia and **Lalit M. Tewari**. On the recollection and distribution of *Thelypteris tenera* (Roxb. in Griff.) C.V.Morton ex Fras.-Jenk. (Family: Thelypteridaceae) in the West Himalaya. *Indian Journal of Forestry* 34 (2):217-220 (2011).
51. Balwant Kumar, **Lalit M. Tewari** and Hemlata Kholia. Diversity of Potential lichens on Banj oak twigs in Banlekh forest of district Champawat, Kumaun Himalaya. *Report and Opinion*, 3(1): 151-154 (2011).
52. Y. P. S. Pangtey, Gokul S. Martolia and **Lalit M. Tewari**. *Lycopodiella cernua* (L.) Pic. Serm. (Family: Lycopodiaceae): An addition to the Pteridophytic flora of Nainital Hills. *Indian Forester*, 137 (5): 657-659 (2011).
53. Priti Kumari, G. C. Joshi and **L. M. Tewari**. Diversity and status of ethnomedicinal plants of Almora District of Uttarakhand, India. *International Journal of Biodiversity and Conservation*, 3(7): 298-326 (2011). ISSN No. 2141-243X.
54. Priti Kumari, G. C. Joshi and **Lalit M. Tewari**. Assessment of availability of traditional used flora in curing jaundice in Central Himalayan Region. *Journal of Phytology*, 3(9): 26-32 (2011). ISSN No. 2075-6240.
55. Y. P. S. Pangtey, Gokul S Martolia and **Lalit M. Tewari**. Recollection of two rare ferns from the Nainital district. *Indian Forester*, 137 (8): 134-136 (2011).
56. Nidhi Lohani, Ravi Kumar, **L. M. Tewari** and G. C. Joshi. Effect of different organic treatments on ex-situ conservation of *Polygonatum cirrhifolium* Royle. *International Journal of Biodiversity Sciences, Ecosystem Services and Management*, 7(2): 134-140 (2011). ISSN: 2151-3732.
57. Priti Kumari, G. C. Joshi and **L. M. Tewari**. Assessment of availability of traditionally used flora in curing jaundice in Central Himalayan Region. *Journal of Phytology*, 3(9): 26-32 (2011). ISSN: 2075-6240.
58. Priti Kumari, Girish C Joshi, **Lalit M. Tewari** and Bibhesh K. Singh. Quantitative assessment and antibacterial activity of *Origanum vulgare* L. *Journal of Phytology*, 3(12): 15-21 (2011). ISSN: 2075-6240.
59. Nidhi Lohani, Ravi Kumar, **Lalit M. Tewari** and G. C. Joshi. Ex-situ conservation of *Polygonatum verticillatum* (L.) Allioni under different types of organic treatments. *International Journal of Biodiversity and Conservation*, 4(1): 22–31 (Jan. 2012). ISSN 2141-243X.
60. Hemlata Kholia, Gaurav K. Mishra, D. K. Upreti and **Lalit Tiwari**. Distribution of lichens on fallen twigs of *Quercus leucotrichophora* and *Quercus semecarpifolia* in and around Nainital city, Uttarakhand, India. *Geophytology*, 46(1-2): 61-73 (2011).
61. P. S. Bungla and L. M.Tewari. Agri –diversity Pattern in kuloor watershed of Kumaun Himalaya. *Hima-Paryavaran* 11-12 (Dec 2011). ISSN 0970 -8421.
62. S. S. Koranga, S. N. Ojha, K. S. Negi, **L. M. Tewari** and A.K.S. Rawat. Bold seeded spiked zinger lily (*Hedychium spicatum* Buch. –Ham. Ex J. E. Smith). *Seed Research*, 39(2): 203-208 (2011).
63. Y.P.S. Pangtey, **Lalit M. Tewari** and Kanchan Upreti. A note on the collection of *Alternanthers pheloxeroides* (Mart.). Griseb. From the fruit Hills of Kumaun (Uttarakhand). *Journal of Economic and Taxonomic Botany*, 36(2): 399-400 (2012).
64. Y.P.S. Pangtey, **Lalit M. Tewari** and Kanchan Upreti. A note on the occurrence of *Loxogramma chinensis* Ching (Polypodiaceae: Pteridophyta) in the west Himalaya. India. *Journal of Economic and Taxonomic Botany*, 36(2): 397-398 (2012).
65. Y.P.S. Pangtey, S. S. Sammant, **Lalit M. Tewari** and Kanchan Upreti. *Pteris roseoililacina* Hieron. (Pteridaceae: Pteridophyta): Hitherto unknown species in the fern flora of the West Himalaya. *Journal of Economic and Taxonomic Botany*, 36(2): 401-402 (2012).
66. Y.P.S. Pangtey, **Lalit M. Tewari** and Kanchan Upreti. Some unrecorded species of ferns from India in Chandra's ferns of India. *Journal of Economic and Taxonomic Botany*, 36(2): 403-405 (2012).
67. Y.P.S. Pangtey, **Lalit M. Tewari** and Kanchan Upreti. *Osmunda regalis* L. (Osmundaceae: Pteridophyta) in the West Himalaya – a doubtful species? *Journal of Economic and Taxonomic Botany*, 36(2): 406-408 (2012).
68. Y.P.S. Pangtey, **Lalit M. Tewari** and Kanchan Upreti. Genus *Conniogramme* FÉE (Hemiionitidaceae: Pteridophyta) in the West Himalaya. *Journal of Economic and Taxonomic Botany*, 36(2): 409-412 (2012).

69. Hemlata Kholia, Gaurav K. Mishra, D. K. Upreti and **Lalit M. Tewari**. Diversity and distribution of lichen in and around Nainital city, Nainital District, Uttarakhand. *The Indian Forester*, 138(5): 443-448 (2012).
70. Deepshikha Arya, G. C. Joshi and **Lalit M. Tiwari**. Status and trade of crude drug in Uttarakhand. *Journal of Medicinal Plants Research*, 6(18): 3434-3444 (16 May, 2012).
71. Priti Kumari, Girish Chandra Joshi and **Lalit Mohan Tewari**. Biodiversity status, distribution and use pattern of some ethno-medicinal plants. *International Journal of Conservation Science*, 3(4): 309-318 (October-December 2012) ISSN: 2067-533X.
72. Priti Kumari, Girish C Joshi and **Lalit M Tewari**. Indigenous uses of threatened ethno-medicinal plants used to cure different diseases by ethnic people of Almora District of Western Himalaya. *International Journal of Ayurvedic and Herbal Medicine*, 2(4): 661-678 (2012). ISSN-2249-5746.
73. Priyanka Sharma, **Lalit M. Tewari**, Sanjay Kumar, Kamal Kishor, Brij Mohan Upreti and Jeewan S. Jalal. Diversity of terrestrial orchids in Nainital. *Oaks*, 8: 112-114 (2012). ISSN-0975-5918.
74. P. S. Bungla, **Lalit M. Tewari**, I. D. Bhatt, R. S. Rawal and Kamal Kishor. The traditional food system of Kuloor watershed of Kumaon Himalaya, India. *African Journal of Food Science*, 6(23): 546-553 (2012).
75. Priti Kumari, G. C. Joshi and **L. M. Tewari**. Biostatistics of traditionally used medicinal plants of Almora District, Uttarakhand (India). *Journal of Biodiversity and Ecological Sciences*, 2(4): 253-258 (2012) ISSN: 2008-9287.
76. S. N. Ojha, S. S. Koranga, K. S. Negi, P. S. Mehta, M. M. Pandey, A. K. S. Rawat and **L. M. Tewari**. Ethnobotanical and chemotypic aspects of *Origanum vulgare* in Uttarakhand Himalayas. *Ethnobotany*, 24(1&2): 14-19 (2012). ISSN: 0971-1252
77. Sanjay Kumar, **Lalit M. Tewari** and Ashish Tewari. Leaf demography of some evergreen and deciduous tree and shrub species of Kumaun Himalaya, India. *Journal of Ecosystem and Ecography*, 3(3): 2-8 (2013).
78. Sanjay Kumar and **Lalit M. Tewari**. Shoot growth behaviour of selected trees and shrubs species along an altitudinal gradient in Kumaun Himalaya, India. *African Journal of Plant Science*, 7(8): 331-338 (2013).
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3. *Helminthostachys zeylanica* (L.) Hook.: An important traditional therapeutic herb for leucorrhoea, among the Tharu community of Udham Singh Nagar District, Uttarakhand, Deepika Bhatt, G.C. Joshi and **L.M. Tewari**, Proceedings of National Seminar on Medicinal Plants of Himalaya: Potential and Prospect, 137-143 (2010).
4. Phenological shift in *Ilex dipyrrena* Wall. and *Acer oblongum* Wall. in Nainital catchment area of Kumaun, Sanjay Kumar, **Lalit M. Tewari** and Ashish Tewari. Proceedings of International Workshop on mountain biodiversity and impact of climate change with reference to Himalayan Biodiversity Hotspot. 194-198, (2010).
5. Assessment of floristic diversity in and around dam submergence areas of Sainj Hydropower Project (100MW) in Kullu District of Himachal Pradesh, North Western Himalaya. Pankaj Sharma, S. S. Samant and **Lalit M. Tewari**. Proceedings of National Conference on Biodiversity: Issues, Concern and Future Strategies, West Bengal Biodiversity Board, Kolkata, January 16-18 (2014).

### 10. Conference/Seminar organized

S/N	Status as organizer	Title of the conference/seminar	Year and dates
1	Member Local Organizing Committee	National Seminar on Biotechnology Innovation Systems of India: Policy	2006

		Measures and Support Mechanisms	
2	Member, Organizing Committee	ETCBI-2011	November, 2011
3	Member, Organizing Committee and Designer	6 <sup>th</sup> USSTC-2011	2011
4	Member, Organising Committee	ICEFN-2016	March, 2016
5	Convener	Digital India Workshop	September, 2016
6	Convener	Intellectual Property Rights Workshop	December, 2016
7	Organizing Secretary	NSPE (UGC, SAT)	March, 2017
8	Coordinator	Prdogogy Workshop (IISER, Pune)	August, 2018
9	Member, Organizing committee	Training/Workshop on Lichens	December, 2018
10	Member, Organizing committee	ICEFN&SEM-2019	May, 2019
11	Chairperson (different sessions)	ICEFN&SEM-2019	May, 2019
12	Coordinator	Blood Donation Camp	2015, 2016, 2017, 2018, 2019
13	Member, Organizing committee	Organizing Committee, National Workshop on "Hands on Training on Classical and Molecular Methods of Lichen Identification"	March, 2020

#### 11. Academic/Administrative positions held

S/N	Chairman/Member/Secretary	Committee/Board	Year (From-To)
1	Convenor, Admission Committee	B.Sc II, B. Sc. III, B Sc semester, M. Sc. 1 year	2008-2019
2	Deputy Controller	Kumaun University Examination	2008
3	Reviewer	Various National and International Journals	2009 onwards
4	Member	BOS/Faculty Board	2011 onwards
5	Member	Organizing Committee, Kumaun university Convocation	2006 to 2020
6	Convener	External Flying Squad, Kumaun University	2006, 2007, 2018-2019
7	Member	C.B.C.S. Syllabus Preparation Committee	2018
8	Coordinator	Pre-Ph.D. Course Work	2018
9	Member	Academic Council, Kumaun University, Nainital	2013 to 2020
10	Nodal Officer IPR	Kumaun University	2013 to 2017
11	Co-coordinator, Science Faculty	Pre-Ph.D. Course work	2018
12	Acting HOD, Botany	Botany deptt	2019
13	Acting Dean	Faculty of science	January 2014
14	OSD	Kumaun university	20017-2019
15	Coordinator, IGNOU	D. S. B. Campus	2019 to till date

#### 16. Membership to professional Organization/Associations:

S/N	Name of the Association/Organizations	Status of the membership
1	Indian Science Congress	Life member
2	Indian Botanical Society	Life member/ Fellow member (FBS)
3	Oaks, Botany Department, D. S. B. Campus, Nainital	Life member
4	Organization for Women in Science for the Developing World (OWSDW), Italy	Full individual member
5	Association of Plant Taxonomists	Life member

17. Any other Information:

- **Popular articles: 50**
- **Experience**

1. As Junior Research Fellow from 1<sup>st</sup> April 1990 to 30<sup>th</sup> September 1991 in DOEn sponsored project in Botany Department, D.S.B. Campus, Nainital.
2. As Junior Project Fellow from 8<sup>th</sup> April 1993 to 30<sup>th</sup> December 1993 in D.S.T. sponsored project on Moss garden project in Botany Department, D.S.B. Campus, Nainital.
3. Research Associate (C.S.I.R., New Delhi) from 1<sup>st</sup> Jan. 1994 to 31<sup>st</sup> Dec. 1998 in Botany Department, D.S.B. Campus, Nainital.
  - 3(a) Teaching experience from 1994 to 1999 for 05 years for PG/UG classes in Botany Department, D.S.B. Campus, Nainital.
  - 3(b) Worked in Botanic Garden Project of DOEn for the conservation and propagation of endangered and endemic plant species of Garhwal and Kumaun Himalaya(Uttarakhand) which was started in Botany Department, D.S.B. Campus, Nainital during 1997-1998.
4. Worked as Lecturer (pay scale 8000-13500) in Botany Deptt., Govt. P. G. College, Ranikhet from 22.02.1999 to 22.02.2003 and Senior Lecturer (pay scale 10000-15200) from 22.02.2003 to 26-7-2005 at Govt. PG College, Ranikhet.
5. Worked as Reader in Botany (pay scale 12000-18300) from 26.07.2005 to 01/07/2008, DSB Campus, Kumaun University, and Nainital.
6. Worked as Associate Professor in Botany (pay scale 37400-67000 + grade pay 9000) from July 2008 to July 2011 at DSB Campus, Kumaun University, Nainital.
7. Working as Professor of Botany from July 2011 ( grade pay Rs 10,000 ) at DSB Campus of Kumaun University Nainital
8. Summary: UG experience-26 years, PG experience 19 years, Research experience- 26 years.

- **Selections**

1. B.H.M.S. (U.P.- C.P.M.T.) in 1986.
2. Lecturer Biology, (G.I.C.-Pathlot) in 1991.
3. Research Associate (CSIR, New Delhi) in Dec 1993.
4. Senior Research Scientist in Hoechst Marion Roussell Research Center Mulund Mumbai in 1998.
5. Lecturer Botany (UPPSC, Higher Education, Group A) in 1998-99.
6. Reader in Botany, Kumaun University, Nainital in July 2005.
7. Professor of Botany open post (in waiting), Kumaun University, Nainital in February 2011
8. Professor of Botany (PP) from July 2011.

- **Seminar/ Workshop / Training / Conference/ Orientation**

1. Attended the National Seminar on Perspective in Aquatic Biology at Kumaun University Nainital in 1998.
2. Attended IV and V Seminar on Medicinal Plant at UPAA Nainital, 1997 and 1998.
3. Did Animal Welfare Training course of one week at Nainital from 28/03/1997 to 01/04/1997.
4. Participated in the Workshop of Peoples Participation in Biodiversity Conservation at GBPIHED, Kosi, Katarmal Almora held at Jageshwar on 18-19 November 1999
5. Attended International Conference on Tropical Aquatic Ecosystem Health Conservation and Management, Nainital, 28-30 October 1999.
6. Participated in International Seminar on Biodiversity 2000 held at GBPIHED Kosi, Kartarmal (Almora).
7. Attended the Conference on Iron and Steel production in India and Sweden. History, Technology and Development, KU, Nainital (March 8-11, 2000).
8. Did one-month Orientation Programme conducted by University of Lucknow in Jan. 2002.

9. Attended the workshop of 'Vaigyanik and Takniki Shabdavli Aayog', held Almora 25-27 Oct 2004.
10. Attended the 10 day workshop of Deptt. Of Entrepreneurship, Lucknow (Faculty development programme DST New Delhi) held at Nainital 24<sup>th</sup> Jan to 4<sup>th</sup> Feb 2005.
11. Attended the workshop on S & T role for the development of Uttaranchal held at Bhimtal. (DST and Directorate Higher Education, Uttaranchal). Feb 18-19 2005.
12. Attended the Academia Seminar of Directorate Higher Education, UA held at Haldwani, March 11-12 2005.
13. Represented Kumaun University Nainital on Two Day Workshop "Facilitating formation of State Biodiversity Board and Biodiversity Management Committee in Indian Himalayan Region" (September 11-12 2005). GBPIHED, Kosi, Katarmal, Almora
14. Attended the XXVIII All India Botanical Conference and National Symposium on Plant Science Research in India: Challenges and Prospects held at BSI Deheradun during 24-26 Oct. 2005.
15. Biodiversity or Biological diversity Page 1-5. paper presented on inaugural conference of Acadmica (Uttaranchal Journal of Higher Education) held at Haldwani on 11-12 march 2005.
16. Comparison of Epiphytic ferns in different forest types of Nainital Hills: Paper presented at XXVIII All India Botanical Conference Held at BSI Deheradun 24-26 Oct. 2005.
17. Diversity and Distribution Epiphytic Ferns of Nainital: Paper presented at XXVIII All India Botanical Conference Held at BSI Deheradun 24-26 Oct. 2005.
18. Attended two day workshop on Orientation of Resource Persons in Distance Education Methodology held at Kumaun University, Nainital on 7-8 Nov. 2005
19. Attended National Workshop on Patenting: What, Why and How at Biotechnology Deptt., Kumaun University Nainital on 10<sup>th</sup> March 2006.
20. Attended Symposium "Himalayan Biodiversity- Issues and options for Priority Research" 27-28 March 2006- GBPHIED, Kosi, Katarmal, Almora.
21. Attended the workshop of Commission for Scientific and Technological Terminology. Ministry of Human Resource Development, Government of India held at DSB Campus, Nainital on May 2006.
22. Attended the First Uttaranchal Science Congress (U-COST) held at Dehradun on 10 & 11 November 2006.
23. Attended the Regional Capacity Building Workshop on Orchids Taxonomy and Conservation. 22 & 23 March 2007. (BSI (N.C.) & Wildlife Institute of India, Dehradun.
24. Attended the Biosphere Reserve Consultancy Conference at GBPIHED, Kosi, Katarmal on 6<sup>th</sup> and 7<sup>th</sup> July, 2007.
25. Presented a poster entitled "substrate characteristics for the growth of epiphytic ferns" at Second Uttarakhand State Science Congress from 15-17 November 2007 held at Uttarakhand Academy of Administration, Nainital.
26. Participated in the Industry Academia Coordination Workshop (IACW2008) in the College of Basic Sciences and Humanities, G.B.Pant University of Agriculture and Technology, Pantnagar on November 15, 2008.
27. Attended the Nature awareness camp at Corbett Tiger Reserve, Ramnagar, Organized by National Academy of Science, India and UCOST Uttarakhand on March, 6 and 7 2009.
28. Attended three days training course for teachers sponsored by UGC at ASC, Kumaun University, Nainital on 10, 11, 12 July 2009.
29. Attended forth Uttarakhand Science Congress November 2009 at GBPUATPantnagar.
30. Completed three days training course for teachers sponsored by UGC at ASC, Kumaun University, Nainital on 6, 7, 8 July 2010.
31. Attended and presented a paper in National Seminar on Medicinal Plants of Himalaya: Potential and Product at CCRAS, Tarikhet, Ranikhet, 16-17 September 2010.
32. Completed six days training course for teachers sponsored by UGC at ASC, Kumaun University, Nainital from 25<sup>th</sup> to 30<sup>th</sup> October 2010.
33. Attended the International workshop on Mountain Biodiversity and Impact of Climate Change with special reference Himalayan Biodiversity Hotspots held at G.B.P.I.H.E.D., Kosi, Katarmal, 6 to 8 December 2010.
34. Attended National Workshop on Self Instructional Learning Material Development on 24 and 25 January 2011 at UOU, Haldwani.
35. Completed six days training course for teachers sponsored by UGC at ASC, Kumaun University, Nainital from 3 to 9 June 2011.
36. Attended National Conference on Emerging trends in chemistry biology interface, Hermitage Bhavan, Kumaun University, Nainital, 3<sup>rd</sup> to 5<sup>th</sup> November 2011.
37. Attended and presented paper in 6<sup>th</sup> USSTC 2011 at SSSJ Campus, Almora on 14<sup>th</sup> to 16<sup>th</sup> November 2011.
38. Participated in the workshop on Issues surrounding IPR in Uttarakhand held at UGC ASC Kumaun University on 14 - 15 July 2012.
39. Completed five days training programme on IPR at RGNIIIPM, Nagpur, 23<sup>rd</sup> to 28<sup>th</sup> September 2013.
40. Organized and attended workshop on National e-Governance Plan, at Hermitage, Nainital on 16<sup>th</sup> April 2013.
41. Attended National Seminar on Women related issues organized by Women Studies Centre, Kumaun University, Nainital on 1<sup>st</sup> and 2<sup>nd</sup> March 2014 at Nainital Club, Nainital.
42. Organized and attended National Workshop on IPR held at Hermitage, Kumaun University, Nainital on 15<sup>th</sup> October 2014.

43. Completed Short Term Course at UGC HRDC Centre, Kumaun University, Nainital, 4<sup>th</sup> July to 10<sup>th</sup> July 2015 on gender issues.
44. Resource Person in National Conference on Woman related issues organized by Women Studies Centre, Kumaun University held at Nainital Club, Nainital on 1<sup>st</sup> and 2<sup>nd</sup> September 2015.
45. Resource person in Brain Storming session, Uttarakhand State Council for Science and Technology (UCOST), Dehradun 2015 at Uttarakhand State Council for Science and Technology, Vigyan Dham, Dehradun.
46. Resource person in Brain Storming session, Uttarakhand State Council for Science and Technology (UCOST), Dehradun, 10-12<sup>th</sup> February, 2016 at Uttarakhand State Council for Science and Technology, Vigyan Dham, Dehradun.
47. Resource Person in Workshop on Preservation of Library Materials, G. B. Pant Library, D. S. B. Campus, Kumaun University Nainital on 13<sup>th</sup> April 2016.
48. Organized Blood Donation Camp at D. S. B. Campus, Nainital on 1<sup>st</sup> April 2015 and 4<sup>th</sup> April 2016.
49. Organized Digital India Workshop on 20<sup>th</sup> September 2016 as NSS Programme Coordinator.
50. Organized two days workshop on Intellectual Property Rights on 2<sup>nd</sup> and 3<sup>rd</sup> December 2016 as organizing secretary.
51. Organised National Seminar on Plants and Environment of UGC SAP of Botany Department D.S.B. Campus KU Nainital on 27 and 28 March 2017 as organizing Secretary.
52. Organised as Local coordinator Pedogogy Workshop With IISER, Pune, at ASC-UGC-HRDC, The Hermitage, KU Nainital on 31<sup>st</sup> July to 02 August 2018.

• **Other activities**

1. Participated as cricket player in research scholar team and member Kumaun University official cricket team 2006.
2. Worked in the programmes of NGO like CHEA etc.
3. As Convener Paryavaran Jagrukta Abhiyaan of Uttarakhand Sevanidhi Almora organized by GPGC Ranikhet for 1999-2000 & 2000-01 and at Botany Department D.S.B. Campus, Nainital 2006.
4. In Ranikhet College Member Admission Committee, Sports Committee, Proctorial Board, Purchase Committee, Physical Verification Committee, Student Union Committee, UGC Committee and Programme Officer NSS.
5. Member Editorial Board Nandadevi Cetenary Smarika, Nainital, 2002, 2003, 2004, 2005, 2007, 2008, 2009, 2010, 2011, 2012, 2013.
6. Provincial Executive member FUGTA 2001-2002 and Secretary Ranikhet FUGTA (2001-2002, 2003-2004)
7. Editor 'Sharad Nanda' 2004, 2009, 2012 (Shardotsava Smarika Nainital)
8. Member Organizing Committee, 8, 9, 10, 11, 12, 13<sup>th</sup> Convocation of Kumaun University. Nainital 2006, 2007, 2008, 2011, 2015, 2016.
9. Team manager Kumaun University Kabaddi Team at Kurukshetra 2006 and weight lifting and power lifting at Anandpursahab, Punjab 2008 and 2009-2010 at Amritsar; Official cricket team, Kumaun University, 2012; Athletic team, Kolkata, 2013.
10. Member Organizing Committee National Seminar on Biotechnology innovation systems of India: Policy Measures and Support Mechanisms. 6-7 October 2006, Deptt of Biotechnology, KU, Nainital.
11. As External Examiner of various Universities as Garhwal Univ., Avadh Univ., F.R.I Deemed University, Rohilkhand Univ., Banaras Hindu University, Kanpur University, R.M.L. University, Kumaun University and Lok Seva Aayog, Haridwar.
12. Member Organizing Committee of 10 days training programme on Biotechnology by UCOST, at Botany Department, D.S.B. Campus, Nainital.
13. Organized a lecture of Dr. K.S. Negi, N.B.P.G. R. on Science Day (28-02-2008).
14. Joint Secretary KUTA, 2007-08; General Secretary, KUTA, 20011-2012 & 2012-2014; President KUTA (2016 onwards), General Secretary, Kumaun University Teacher's Union (Mahasangha), Nainital.
15. Secretary, Coordination Committee, Central Status to Kumaun University, Almora/Nainital, 2008-2009.
16. Convener, educational tour, M.Sc., Botany, 2005, 2006, 2007, 2008, 2009, 2010, 2013.
17. Member, Organizing Committee, ISRAP Seminar (Department of Physics, Nainital), 12-14 March 2009.
18. Member Organizing Committee on National Seminar on Response of Ecobiological Components to the Phenomenon of Global Warming (NSREG-2009), 26 and 27 September 2009.
19. Counselor, IGNOU, D.S.B. Campus, Nainital from 2009.
20. Organize plantation programme with M.Sc. students at Botany Department, D.S.B. Campus, Nainital in August 2010; Kumaun University, Administrative Block, 30<sup>th</sup> July 2013, Botany Department DSB Campus on 18 July 2014, Himalaya day 10 September 2014, Sanskrit Department 11 Sept 2014 onwards.
21. Attended 2 days workshop on Vagyanic Mansikta evam Hindi Lekhan 14-15 March 2012 at Mahadevi Srijan Peeth, Ramgarh.
22. Observer, B.Ed. Examination at R. H. P. G. College, Kashipur (March 2012) and Law examination at Unity Law College (April 2012).
23. Observer, UGC (NET) held at Nainital on 29<sup>th</sup> December 2012, June 2013.
24. Organized Lecture of Prof. S. P. Singh on Biodiversity at D. S. B. Campus, Nainital, March 2013.
25. Organized one day workshop of IPR Cell on March 2013.
26. Organized Debate competition among the students on IPR related issues, March 2013.

27. Organized various programmes, meetings as KUTA secretary and academic lectures at D. S. B. Campus, Nainital during 2013.-14
28. Member, Organizing committee on e-governance seminar of ICT Cell at Hermitage, Nainital, April 2013.
29. B. Ed entrance exam observer at MBPG College Haldwani on 2<sup>nd</sup> March 2014.
30. Organized lecture in copyrights on World IPR Day, 26 April 2014.
31. Organized lecture in Biodiversity of Prof. L. M. S. Palni on May 2014 and Dr. R. S. Rawal on IPR related issues in 2015.
32. UGC, NET Exam Observer at BSSB, Nainital, June 2014.
33. BBA/BCA Exams Observer at Jay Arihant Institute, Haldwani, January 2016.
34. Observer, BEd Exams at Shushila Tewari College, Sitarganj, May 2016 and at S. S. J. Campus, Almora in M. Ed. Entrance Exam, June 2016.
35. Member, International Advisory Board, ICEFN-2016 at The Hermitage, Kumaun University, Nainital, 27<sup>th</sup> to 29<sup>th</sup> March 2016.
36. As an expert at UKPSC, MPPSC and CGPSC.

- **NSS Programmes**

1. Programme Coordinator at D.S.B. from November 2007 to September 2008.
2. Programme Officer at D. S.B. from 1<sup>st</sup> July 2006 to 24 September 2008.
3. Programme Officer at Govt. P.G. College, Ranikhet (2000-2002).
4. Convener Lake Warden Programme started by Kumaun Commissioner, Nainital 2007-2008.
5. Organized various programme and activities on Environment, Health, and Education for NSS volunteers.
6. Completed 10 days NSS orientation programme at TOC Lucknow from 17-26<sup>th</sup> July 2008.
7. Attended water conservation and management workshop of NSS on 30 Nov 2007.
8. Organized Nutritional week for NSS, 2015.
9. Organized one week training as ETI of NSS POs at Dev Sanskrit Vishwavidyalaya, Haridwar in collaboration with Agra ETI, January 2015.
10. Organized Plantation programme at DSB Campus and Langham Hostel on July 2014, 2015, 2016, 2017, 2018.

- **Dissertation supervisor**

M. Sc. Dissertation (25); Pre Ph. D. Course Dissertation: 12

- **M. Phil Dissertation (02)**

1. A study of Chromosomal and gene mutation under arising the action of antibiotics in higher plants submitted to Periyar University (PRIDE), Salem (By Priti Kumari, M.Phil. thesis), 2007.
2. Regeneration potential of certain trees and shrubs in Nainital Hills submitted to Periyar University (PRIDE), Salem (By Dinesh Giri), 2007.

- **Invited lecture (19)**

1. Govt. Mahila Degree College, Haldwani on Biodiversity January 2011.
2. National Workshop on Taxonomy at Gurukul Kangri University, Haridwar on Plant diversity, October 2012.
3. NSS Camp, Bhumiadhar (CRST Inter College, Ntl) on Plant diversity, December 2012.
4. Biodiversity lecture with students from various schools of Nainital during plantation 2013.
5. For M. Sc. Classes at Uttarakhand Open University, Haldwani, July 2014.
6. Resource person on Science Enclave of Uttarakhand Open University, Haldwani, July 2014.
7. As expert on district Nainital debate competition at GIC Nainital on August 5, 2014
8. As Programme Coordinator NSS KU Nainital, 2014, 2015, 2016, 2017.
9. Delivered a lecture on Biodiversity in Refresher Course of UGC-HRDC Centre, The Hermitage, Nainital on 18/11/2016
10. Delivered a lecture on Biodiversity in Farmers Training of Forestry and Environment Department of DSB Campus Nainital at Gurna Pithoragarh on 26 March 2017.
11. Lecture on Biodiversity and climate change on refresher course of Botany at ASC-UGC HRDC, The Hermitage, Nainital November 2017.
12. Biodiversity at RARI, CCRAS, Thapla Ranikhet May 2018.
13. Biodiversity and Wild edible Plants on Skill Development Programme at GBPHINSED Kosi-Katarmal, Almora on 16 August 2018.
14. Use of Computer in Research Pre-Ph.D course work faculty of science 2015-2018.
15. Biodiversity and sustainable development on orientation course at UGC HRDC The Hermitage Nainital on 15 Dec 2018.
16. Biodiversity and its Problems on 6<sup>th</sup> January 2019 at Landhora College, Roorkee.
17. Motivation and Voluntarism on NYK Centre, Haldwani on 4 March 2019.
18. Biodiversity and Sustainability on orientation course at UGC HRDC The Hermitage Nainital on 11 March 2019.
19. Intellectual Property Rights at PNG Government PG College, Ramnagar on November 2019

Date: 14/06/2020