

Kumaun University, Nainital
Curriculum Vitae

Name : Dr. Chitra Pande

Designation : Professor

Department : Chemistry

Contact Information

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Educational Qualification

Degree	University	Subjects	Year
Ph.D.	Kumaun University, Nainital	Natural Product Chemistry	1991
M. Sc.	Kumaun University, Nainital	Chemistry (Organic)	1984 (1 st Position in M. Sc. Chemistry Kumaun University)
B.Sc.	Kumaun University, Nainital	Zoology, Botany and Chemistry	1981 (Gold Medal for securing 1 st Position in Science Faculty in B. Sc. from Kumaun University)

Work Experience

Position	Department	University/Organization	Year
Assistant Professor	Chemistry	Kumaun University, Nainital	1993
Associate Professor	Chemistry	Kumaun University, Nainital	2006
Professor	Chemistry	Kumaun University, Nainital	2009 till date

Administrative Responsibilities

Position	Nature of responsibility	University/Organization	Year
Dean, Faculty of Science	Academic Leadership of Faculty	Kumaun University	2023 to till date
Head, Department of Chemistry, D.S.B. Campus Nainital	Managing the Performance of the Department	Kumaun University	2023 to till date
Convener, Admission Committee	Admission	Kumaun University	2010 and

(B.Sc. I & M.Sc. I (Chemistry) /I st Sem)			2016
Assistant Superintendent Examination	Conduct Examination	Kumaun University	2016-2018
Member, C.B.C.S. syllabus preparation committee (Organic Chemistry) NEP syllabus Preparation committee	Preparation of syllabus	Kumaun University	2018, 2022
Member, Academic Council	Responsible for All the Academic Matter	Kumaun University	2009 onwards
Coordinator, Science Faculty, Pre-Ph.D. Course work	Arrange and schedule Ph. D. classes and presentations	Kumaun University	2012-2015
Member, Departmental Equipment and Apparatus Committee	Quality Control	Kumaun University	2014
Honorary Librarian	Overseeing the management and up keeping the library	Kumaun University	2014 to 2016
Member, Organizing Committee, Convocation	Management of Matter Pertaining to convocation	Kumaun University	2020, 2021

Research Interests

- Natural Products Chemistry
- Soil Analysis
- Water Analysis

Publications

a) Research Papers

S. No.	Authors name	Title of the paper	Journal, Vol, page no	Year
1.	Bhawana Kanyal, Chitra Pande , Rajendra C. Padalia, Geeta Tewari, Aabha Gangwar, Lata Rana, Neeta Negi and Om Prakash	Aroma profile, antioxidant and anti-inflammatory properties of <i>Cinnamomum camphora</i> L. essential oils as affected by various drying techniques	Journal of Essential Oil Research (IF 3.0)	2024
2.	Bhawana Kanyal, Chitra Pande , Geeta Tewari, Rajendra C. Padalia, Girish Kharkwal, Neeta Negi Aabha and Om Prakash	Chemical composition, antioxidant, anti-inflammatory, antidiabetic activities, <i>in silico</i> PASS, ADMET study and molecular docking of essential oils from <i>Cinnamomum glanduliferum</i> at various drying conditions	Journal of Essential Oil Bearing Plants. 26(5), 1278-1298 (IF: 2.4)	2023
3.	Bhawana Kanyal, Chitra	Influence of post-harvest drying	Journal of	2023

	Pande, Geeta Tewari, Aabha, Lata Rana, Rajendra C. Padalia, Tanuja Kabdal, Om Prakash and Shalini Singh	processes on the composition, and biological activities of essential oils from leaves of camphor tree from Uttarakhand Himalaya, India	Essential Oil Bearing Plants, 26(1), 161-17 (IF: 2.4)	
4.	Kiran Patni, Ashutosh Pratap Pande, Chitra Pande	Physicochemical investigation of some primitive water sources in district Champawat for potability and preservation of historical aesthetics, Uttarakhand, India	The holistic approach to environment 12(1):1-8	2022
5.	Aabha, Geeta Tewari, Chitra Pande , Bhawna Kanyal, Lata Rana and Shalini Singh	Impact of drying methods on the chemical profile of <i>Zingiber officinale</i> Rosc. rhizome essential oil	Journal of Essential Oil Bearing Plants, 25(5), 1077-1095 (IF: 2.4)	2022
6.	Akanksha Rani, Bhawana Kanyal, Aabha, Geeta Tewari, Chitra Pande and Om Prakash	Chemodiversity and antioxidant potential of the essential oil of fresh leaves of <i>Cinnamomum zeylanicum</i> Blume from Uttarakhand	Journal of Essential Oil Bearing Plants, 25(4), 783-795 (IF: 2.4)	2022
7.	Mamta Bisht, Chitra Pande and Geeta Tewari	Influence of copper amendments on soil properties, growth and metal accumulation by <i>Mentha arvensis</i> L.	Asian Journal of Water Environment and Pollution, 19(4), 33-39	2022
8.	Lata Rana, Geeta Tewari, Chitra Pande , Om Prakash, Mamta Bisht, Sunita Bhatt, Bhawna Kanyal and Krishna Rana	Identification of the aroma compounds of <i>Ocimum americanum</i> as a function of growth stages and their <i>in vitro</i> antioxidant and anti-inflammatory potential	Journal of Essential Oil Bearing Plants, 25(2), 403-418 (IF: 2.4)	2022
9.	Deepshikha Punetha, Geeta Tewari, Chitra Pande , Sonal Tripathi and Girish C. Kharkwal	Impact of cow manure application as soil amendment on essential oil composition and metal contents in fennel (<i>Foeniculum vulgare</i> Mill)	Applied Biological Research, 23(1): 76-86	2021
10.	Mamta Bisht, Chitra Pande , Geeta Tewari	Effect of copper amendments on the quality of essential oils extracted from the aerial parts of <i>Mentha arvensis</i> L.	Journal of Essential Oil Bearing Plants, 24(2): 193-200 (IF: 2.4)	2021

11.	Lata Rana, Geeta Tewari, Chitra Pande	Aroma profile of the aerial parts of <i>Ocimum sanctum</i> L. harvested at vegetative and full blooming stages from three altitudes of North India	Journal of Essential Oil Bearing Plants, 24(3), 408-420 (IF: 2.4)	2021
12.	Kiran Patni, Chitra Pande , Ashutosh Pratap Pande, Geeta Tewari, Tanuj Joshi	Seasonal variation of uranium and physico-chemical parameters in spring water sources of Pithoragarh city, Uttarakhand, India	Journal of Radioanalytical and Nuclear Chemistry, 392(2) (IF: 1.6)	2021
13.	Sunita Bhatt, Geeta Tewari, Chitra Pande , Deepshikha Punetha and Om Prakash	Antioxidative potential and compositional variation among <i>Origanum vulgare</i> L. collected from different districts of Kumaun Himalayas, Uttarakhand	Journal of Essential Oil Research, 32(2), 121-131 (IF: 3.0)	2020
14.	Kiran Patni, Chitra Pande , Ashutosh Pratap Pande, Geeta Tewari and Tanuj Joshi	Distribution of naturally occurring uranium and other heavy toxic elements in selected spring water samples of Pithoragarh District, Uttarakhand, India	SN Applied Sciences, 2, Article 2129 (IF: 2.6)	2020
15.	S. Bhatt, G. Tewari, C. Pande , M. Bisht, O. Prakash and L. Rana	Evaluation of antioxidant potential and quality of volatile constituents of fresh and sun dried <i>Ocimum gratissimum</i>	Journal of the Indian Chemical Society, 96(2), 297-304 (IF: 1.3)	2019
16.	Sunita Bhatt, Geeta Tewari, Chitra Pande , Om Prakash and Sonal Tripathi	Aroma profile and antioxidant potential of <i>Origanum vulgare</i> L.: impact of drying	Journal of Essential Oil Bearing Plants, 22(1), 214-230 (IF: 2.4)	2019
17.	M. Bisht, L. Rana, G. Tewari, C. Pande and S. Bhatt	Effect of natural drying methods on flavour profile of camphor rich <i>Ocimum americanum</i> L. from North India	Asian Journal of Chemistry, 31(6), 1321-1326	2019
18.	Mamta Bisht, Chitra Pande , Geeta Tewari, Sunita Bhatt and Sonal Tripathi	Effect of zinc on the growth and essential oil composition of <i>Ocimum gratissimum</i> L.	Journal of Essential Oil Bearing Plants, 22(2), 441-454 (IF: 2.4)	2019
19.	Deepshikha Punetha, Geeta Tewari, Chitra Pande and	Effect of Climatic conditions on the volatile compounds of the aerial parts	Journal of Essential Oil	2019

	Sunita Bhatt	of <i>Foeniculum vulgare</i>	Bearing Plants.22(4), 1093-1103 (IF: 2.4)	
20.	Deepshikha Punetha, Geeta Tewari and Chitra Pande	Compositional variability in inflorescence essential oil of <i>Coriandrum sativum</i> from North India	Journal of Essential Oil Research, 30(2), 113-119 (IF: 3.0)	2018
21.	Gitu Kunwar, Chitra Pande , Geeta Tewari, Sunita Bhatt and Sonal Tripathi	Phytoremedial potential of a new chemotype of <i>Ocimumkilimandscharicum</i> Guerke from Kumaun Himalaya	Journal of Essential Oil Bearing Plants, 21(3), 623-639 (IF: 2.4)	2018
22.	Sunita Bhatt, Geeta Tewari, Chitra Pande and Lata Rana	Impact of drying methods on essential oil composition of <i>Ocimumamericanum</i> L. from Kumaun Himalayas	Journal of Essential Oil Bearing Plants, 21(5), 1385-1396 (IF: 2.4)	2018
23.	G. C. Kharkwal, C. Pande , G. Tewari, A. Panwar and V. Pande	Terpenoid composition and antimicrobial activity of essential oil from <i>Torilis japonica</i> (Houtt.) DC	Journal of the Indian Chemical Society, 94, 191-194 (IF: 1.3)	2017
24.	A. Rani, M. Bisht, C. Pande , G. Tewari, S. Bhatt and M. Matiyani	Effect of drying on the volatiles of leaves of <i>Murrayakoenigii</i> (L.) Spreng	Journal of Essential Oil Bearing Plants. 20(2), 552-558 (IF: 2.4)	2017
25.	Gitu Kunwar, Chitra Pande and Geeta Tewari	Essential oil composition of the aerial parts of <i>Mentha spicata</i> L.	World Journal of Pharmaceutical Research, 6(6), 853-859	2017
26.	Akanksha Rani, Chitra Pande , Geeta Tewari and Kiran Patni	A review on aroma profile of <i>Cinnamomum</i> species in north and north east India	World Journal of Pharmaceutical Research, 6(11), 200-221	2017
27.	Sunita Bhatt, Geeta Tewari, Deepshikha Punetha,	Chemical profile of <i>Ocimumamericanum</i> L. from North-	Indian Perfumer,	2016

	Jitendra Diwakar and Chitra Pande	Western Himalayan region: A comparative study	60(1), 23-27	
28.	Geeta Tewari, Nidhi Sharma, Sunita Sharma, Chitra Pande , Girish C. Kharkwal, Mamta Bisht, Akanksha Rani and Deepshikha Punetha	Effect of sludge addition on some soil properties under oxic and anoxic environment	Journal of Chemical Engineering and Chemistry Research, 3(10), 980-984	2016
29.	Geeta Tewari, Deepti Khati, Lata Rana, Poonam Yadav, Chitra Pande , Sunita Bhatt, Vinod Kumar, Neeta Joshi and Prasoon K. Joshi	Assessment of physicochemical properties of soils from different land use systems in Uttarakhand, India	Journal of Chemical Engineering and Chemistry Research, 3(10), 1114-1118	2016
30.	K. Tewari, C. Pande , G. Tewari, G. C. Kharkwal and D. Punetha	Volatile constituents of <i>Geranium wallichianum</i> D. Don ex Sweet. from north-western Himalayan region	Journal of the Indian Chemical Society, 92(1), 123-125 (IF: 1.3)	2015
31.	G. C. Kharkwal, C. Pande , G. Tewari, A. Panwar and V. Pande	Volatile terpenoid composition and antimicrobial activity of flowers of <i>Melia azedarach</i> Linn. from north west Himalayas, India	Journal of the Indian Chemical Society, 92(1), 141-145 (IF: 1.3)	2015
32.	Deepshikha Punetha, Geeta Tewari, Chitra Pande , Girish C. Kharkwal and Kiran Tewari	Investigation on heavy metal content in common grown vegetables from polluted sites of Moradabad District, India	Journal of the Indian Chemical Society, 92(1): 97-103 (IF: 1.3)	2015
33.	Gitu Kunwar, C. Pande , G. Tewari, C. Singh and G. Kharkwal	Effect of heavy metals on terpenoid composition of <i>Ocimum basilicum</i> L. and <i>Mentha spicata</i> L.	Journal of Essential Oil Bearing Plants, 18(4), 818-825 (IF: 1.3)	2015
34.	K. Tewari, G. Tewari, C. Pande and G. Kunwar	Volatile constituents of <i>Artemisia parviflora</i> Buch.-Ham. ex Roxb. from Kumaun Himalayan region, India	Journal of Essential Oil Bearing Plants, 18(1), 195-198 (IF: 1.3)	2015

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35.	Geeta Tewari, Chitra Pande , Shalini Singh and Charu Singh	Quantification of metal nutrients in <i>Origanum vulgare</i> L. collected from North Western Himalayas	Journal of Chemistry and Applied Biochemistry. 2(1), 109-114	2015
36.	Kiran Tiwari, Chitra Pande , Geeta Tewari, Gitu Kunwar and Deepshekha Punetha	Variation in the chemical profile of <i>Agrimonia aitchisonii</i> Schönb.-Tem. aerial part from Himalayan region	Open Access Journal of Medicinal and Aromatic Plants, 6(1), 15-20	2015
37.	Mamta Bisht, Chitra Pande , Geeta Tewari and Alkesh Chauhan	Essential oil composition of <i>Mentha arvensis</i> cultivated in the Tarai region of Uttarakhand	Indian Perfumer, 59(4), 17-20	2015
38.	Gitu Kunwar, Geeta Tewari, Chitra Pande , Charu Singh and Girish C. Kharkwal	Family Lamiaceae: phytoremediation aspects	Journal of the Indian Chemical Society, 91(1), 107-112 (IF: 1.3)	2014
39.	C. Singh, S. Singh, C. Pande , G. Tewari and G. Kharkwal	Chemical composition of the leaves essential oil from <i>Cinnamomum glanduliferum</i> (Wall) Meissn from Uttarakhand, India	Journal of Essential Oil Bearing Plants, 17(5), 927-930 (IF: 2.4)	2014
40.	Deepshekha Punetha, Chitra Pande , Geeta Tewari and Kiran Tewari	Qualitative variation in <i>Coriandrum sativum</i> L. seed oil with manure application	Indian Perfumer. 58(2), 27-30	2014
41.	G. C. Kharkwal, C. Pande , G. Tewari, A. Panwar and V. Pande	Composition and antimicrobial activity of the essential oil of <i>Heracleum lanatum</i> Michx. from Uttarakhand Himalaya	International Journal of Scientific & Technology Research, 3(12), 60-64	2014
42.	Geeta Tewari and Chitra Pande .	Health risk assessment of heavy metals in seasonal vegetables from north-west Himalaya	African Journal of Agricultural Research, 8(23), 3019-3024	2013
43.	S. Singh, G. Tewari, C.	Variation in essential oil composition	Journal of	2013

	Pande and C. Singh	of <i>Ocimumamericanum</i> L. from Kumaun north-western Himalayan region	Essential Oil Research, 25(4), 278-290 (IF: 3.0)	
44.	S. Singh, G. Tewari, C. Pande and C. Singh	Chemical variation in volatiles of <i>Craniotome furcata</i> : Correlation with soil properties	Records of Natural Products, 7(4), 332-345 (IF: 2.0)	2013
45.	Charu Singh, Shalini Singh, Chitra Pande , Geeta Tewari, Veena Pande and Pratibha Sharma	Exploration of antimicrobial potential of essential oils of <i>Cinnamomum glanduliferum</i> , <i>Feronia elephantum</i> , <i>Bupleurum hamiltonii</i> and <i>Cyclopermumleptophyllum</i> against foodborne pathogens	Pharmaceutical Biology, 51(12), 1607-1610 (IF: 3.8)	2013
46.	C. Pande , G. Tewari, S. Singh and C. Singh	Chemical markers in <i>Origanum vulgare</i> L. from Kumaun Himalayas: a chemosystematic study	Natural Product Research, 26(2), 140-145 (IF: 2.2)	2012
47.	G. Tewari, C. Pande , G. Kharkwal, S. Singh and C. Singh	Phytochemical study of the essential oil from the aerial parts of <i>Coleus aromaticus</i> Benth	Natural Product Research, 26(2), 182-185 (IF: 2.2)	2012
48.	C. Pande , G. Tewari, C. Singh and S. Singh	Chemical composition of the essential oil from the aerial parts of <i>Bupleurum hamiltonii</i> Balak from Uttarakhand, India	Natural Product Research, 26(15), 1442-1445 (IF: 2.2)	2012
49.	C. Pande , G. Tewari, C. Singh and S. Singh	Essential oil composition of aerial parts of <i>Cyclopermumleptophyllum</i> (Pers.) Sprague ex Britton & P. Wilson	Natural Product Research, 25(6), 592-595 (IF: 2.2)	2011
50.	Chitra Pande , Geeta Tewari, Charu Singh, Shalini Singh and R.C. Padalia	Chemical composition of the essential oil of <i>Feronia elephantum</i> Correa	Natural Product Research, 24(19), 1807-1810 (IF: 2.2)	2010
51.	Rajesh K. Joshi and Chitra Pande	Chemical composition of the essential oil of <i>Phlomis bracteosa</i>	Journal of Essential Oil	2010

		Royle ex Benth	Research, 22 (4), 297-299 (IF: 3.0)	
52.	Anita Singh, C. Pande , P. Gahtori, S.N. Pandeya and J.P. Stables	Design and synthesis of some novel 4-(4-substituted aryl) semicarbazones as anticonvulsant agents	Indian Journal of Pharmaceutical Sciences, 72, 12-16 (IF: 0.97)	2010
53.	Renu Bhatt, R.C. Padalia and Chitra Pande	Chemical Composition of the Essential Oil of <i>Colquhounia coccinea</i> Wall	Journal of Essential Oil Research, 21, 74-75 (IF: 3.0)	2009
54.	Rajesh K. Joshi and Chitra Pande	Phytoconstituents of the essential oil of <i>Craniotome furcata</i> (Link.) O. Kuntze	Journal of Essential Oil Research. 21 (3), 270-271 (IF: 3.0)	2009
55.	Rajesh K. Joshi, Chitra Pande , Mohammad H. K. Mujawar and Sanjeva D. Kholkute	Chemical composition and antimicrobial activity of the essential oil of <i>Anaphalis nubigena</i> var. <i>monocephala</i>	Natural Product Communications, 4, 993-996 (IF: 1.5)	2009
56.	Chitra Pande , Rajesh K. Joshi and Subhash S. Sammal	Chemical composition of the essential oil of <i>Anaphalis contorta</i> Hook f	Journal of Essential Oil Research, 20, 444-445 (IF: 3.0)	2008
57.	Rajesh K. Joshi and Chitra Pande	Essential Oil Composition of the Aerial Parts of <i>Bupleurum candollii</i>	Natural Product Communications, 3(11), 1919-1920,	2008
58.	Rajesh K. Joshi and Chitra Pande	Chemical composition of the essential oil of the flowering aerial parts of <i>Craniotome furcata</i> ,	Natural Product Communications, 3(6), 923-924, IF: 1.5	2008
59.	Chitra Pande , Renu Bhatt and R.C. Padalia, ,	Composition of leaf oil of <i>Cryptomeria japonica</i> D.Don,	<i>Indian Perfumer</i> , 51, 43-45	2007
60.	Chitra Pande and C. S.	Constituents of the leaf oil of	Journal of	2006

	Chanotiya	<i>Curcuma longa</i> L. from Uttaranchal	Essential Oil Research, 18, 166-167	
61.	Chitra Pande , C. S. Chanotiya and R. Padalia	Essential oil of <i>Murraya koenigii</i> L. <i>Spreng.</i> from the north western Himalayan region	Indian Perfumer, 48, 407-410	2004
62.	Chitra Pande , S. S. Sammal and Chandan Singh	Essential oil composition of seeds of <i>Coriandrum sativum</i> L.	Indian Perfumer, 46 (2), 115-117,	2002
63.	Chitra Pande and C. S. Mathela	Chemical composition of the leaf oil of <i>Juniperus communis</i> L. from the Kumaon region,	Journal of Essential Oil Bearing Plants, 3, 135-137 IF: 2.4	2001
64.	Chitra Pande and C. S. Mathela	Essential oil composition of <i>Origanum vulgare</i> L. ssp. <i>vulgare</i> from the Kumaon Himalayas.	Journal of Essential Oil Research, 12(4), 441-442 IF: 3.0	2000
65.	Chitra Pande and L.N. Goswami	Composition of essential oil from seeds of <i>Cuminum cyminum</i> L	Indian Perfumer, 48, 265-266	2000
66.	Chitra Pande , A.B. Melkani and C.S. Mathela	<i>Cymbopogon distans</i> , Report on a new chemotype	Indian Perfumer, 41(1), 35-36	1997
67.	C. S. Mathela, Chitra Pande , A. K. Pant and A.K. Singh	Phenyl propenoid constituents of <i>Cymbopogon microstachys</i>	Journal of the Indian Chemical Society, 67, 526-527	1990
68.	C. S. Mathela, Chitra Pande , D. K. Mathela, A.B. Melkani and P. Joshi	Terpenoid composition of <i>Cymbopogon distans</i> variety Munsiyarensis	Herba Hungarica, 27(2-3), 117-121	1988
69.	C. S. Mathela, Hema Lohani, Chitra Pande , and D. K. Matela	Chemosystematics of terpenoids in <i>Cymbopogon martini</i> .	Biochemical Systematics and Ecology, 16, 167-169 IF: 1.6	1988

70.	C. .S. Mathela, A.B. Melkani, Alka Pant and Chitra Pande	Chemical variations in <i>Cymbopogon distans</i> and their chemosystematic implications,	Biochemical Systematics and Ecology , 16(2) , 161-165 IF: 1.6	1988
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b) Book chapters

S. No.	Authors name	Title of the book/Title of the book chapter	Publisher	ISBN	Year
1.	Mamta Bisht, Geeta Tewari, Chitra Pande and Ankit Joshi	Stress-responsive Factors and Molecular Farming in Medicinal Plants (Eds. Divy Singh, Amit Kumar Mishra, Akhileshwar Kumar Srivastava) / Response of secondary metabolites of <i>Ocimum gratissimum</i> L. under copper stress condition	Springer Link, Singapore	978-981-99-4479-8	2023
2.	Aabha, Bhawana Kanyal, Krishna Rana, Neeta Negi, Geeta Tewari, Chitra Pande , Lata Rana, Kshitindra Kumar Singh, Shalini Singh, Girish C. Kharkwal and Kamaksha Mishra	Modern Trends in Medicinal and Aromatic Plants (Eds. Dr. Geeta Tewari, Dr. Penny Joshi, Dr. Lalit M. Tewari) / Chemical composition and therapeutic potential of <i>Hedychium spicatum</i> Buch. Ham. rhizomes	Indu Book Services Pvt. Ltd. India	978-93-91377-78-6	2023
3.	Lata Rana, Geeta Tewari, Deepshikha Punetha, Mamta Bisht, Geetanjali Upadhyay, Chitra Pande and Lalit M. Tewari	Therapeutic Potential and Medicinal and Aromatic Plants of the World / Phytochemistry of Natural Herbals of Family Lamiaceae: <i>Ocimum sanctum</i> L. and <i>Ocimum basilicum</i>	UNESCO-EOLSS Joint Committee) in Encyclopedia of Life Support Systems (EOLSS)		2022
4.	Deepshikha Punetha, Geeta Tewari, Chitra Pande , Girish	Handbook of Research on Waste Diversion and Minimization Technologies for the Industrial Sector	IGI Global Publisher, Hershey, PA, USA	978-1-7998-4921-6	2021

	Kharkwal and Sonal Tripathi	(Eds. A. K. Rathoure) / Assessment of phytoremediation efficiency of <i>Coriandrum sativum</i> in metal polluted soil and sludge samples: a green approach			
5.	Mamta Bisht, Chitra Pande and Geeta Tewari	Waste Strategies, Challenges and Future Directions (Eds. N. G. Sahoo) / Waste management of agricultural waste: present, past and future	Nova Science Publishers, New York	978-1-68507-394-7	2021
6.	Lata Rana, Geeta Tewari and Chitra Pande	Natural Products and Their Utilization Pattern (Eds. Geeta Tewari, Ashish Tewari, Lalit M. Tewari, Chitra Pande) / Phytochemical and pharmacological overview of <i>Ocimum sanctum</i> Linn.: effect of growth stages	Nova Science Publishers, New York	978-1-53618-140-1	2020
7.	Kiran Patni, Chitra Pande , Tanuj Joshi	Scenario of Worldwide Preponderance of Contaminants of Emerging Concern in the Hydrosphere	Resilience, Response, and Risk in Water Systems, Springer Nature	DOI: 10.1007/978-981-15-4668-6_9 9789811546679	2020
8.	Deepshekha Punetha, Geeta Tewari, Chitra Pande , Lata Rana and Sonal Tripathi	Zero Waste: Management Practices for Environmental Sustainability (Eds. Ashok K. Rathoure) / Effect of manure on the metal efficiency of <i>Coriandrum sativum</i>	CRC Press, Boca Raton	978-0-429-05924-7	2019
9.	Deepshekha Punetha, Chitra Pande , Geeta Tewari, Sunita Bhatt, Kiran Tewari, Jitendra	Environmental Science and Carbon Management (Eds. Deepak Pant, Anand Giri, Tenzin Dolker and Virbala Sharma) / Effect of metal contaminated soil on	Academic Excellence, New Delhi	978-93-83246-20-5	2015

	Diwakar and Sonal Tripathi	<i>Foeniculum vulgare</i> .Recent Trends			
10.	Shaini Singh, Geeta Tewari, Chitra Pande and Charu Singh	Impact of Global Climate Change on Earth Ecosystems (Eds. D.R. Khanna, A. K. Chopra, Gagan Matta, Vikas Singh and Rakesh Bhutiani) / Chemotaxonomy of Wild <i>Origanum vulgare</i> L. from Kumaun Himalayas	Biotech Books, New Delhi	978-81-76222-73-0	2013
11.	Charu Singh, Chitra Pande , Geeta Tewari and Shalini Singh	Impact of Global Climate Change on Earth Ecosystems (Eds. D.R. Khanna, A. K. Chopra, Gagan Matta, Vikas Singh and Rakesh Bhutiani) / Terpenoid composition of leaves, seeds and roots of <i>Cyclopermum leptophyllum</i> : A comparative study	Biotech Books, New Delhi	978-81-76222-73-0	2013
12.	Chitra Pande	Phytoremedial strategies on soil contaminated with lead and copper by using <i>Ocimum</i> species, Environment development and society (B. L. Shah, Divya U. Joshi and Ritesh Shah eds.)	Durga Ma Prakashan, Haldwani	174-180	2011

c) Conference Publications/Proceedings

S. No.	Authors name	Title of the paper	Conference name	Year
1.	C. Pande , C. Singh, G. Tewari, S. Singh and G. Kharkwal	Use of <i>Mentha arvensis</i> for phytoremediation	National Seminar on Advances on Natural Products Chemistry and Sustainable Development	2011
2.	Geeta Tewari, Chitra Pande , Shalini Singh, Charu Singh and Sonal Tripathi	Screening of soils and vegetables for the presence of toxic metals from agricultural belt of Tarai region of Kumaon Himalaya	National Seminar on Advances on Natural Products Chemistry and Sustainable Development	2011
3.	Girish C. Kharkwal, Chitra Pande ,	Essential oil composition of fresh leaves of <i>Bupleurum</i>	National Seminar on Advances on Natural	2011

	Geeta Tewari, Charu Singh and Shalini Singh	<i>lanceolatum</i> Wall from Uttarakhand	Products Chemistry and Sustainable Development	
4.	S. Singh, G. Tewari, C. Pande and G. Kharkwal	Heavy metal content in agricultural soil and some vegetables of Tarai region of Kumaun Himalaya	National Conference on Environmental Conservation, Sustainable Natural Resources Management and Strategies for Regional Development with reference to Uttarakhand	2011
5.	G. Kharkwal, C. Pande , G. Tewari and C. Singh	Effect of heavy metal polluted soil on essential oil composition of <i>Ocimumbasilicum</i>	National Conference on Environmental Conservation, Sustainable Natural Resources Management and Strategies for Regional Development with reference to Uttarakhand	2011
6.	C. Singh, C. Pande , G. Tewari and G. Kharkwal	Green technology for removal of heavy metals in polluted soil by using <i>Ocimumbasilicum</i>	National Conference on Environmental Conservation, Sustainable Natural Resources Management and Strategies for Regional Development with reference to Uttarakhand	2011

Projects

Title of the project	Funding agency	Amount (Rs) (Lakhs)	Year
Chemodiversity and bioactivity of the essential oils of <i>Cinnamomum camphora</i> and <i>Cymbopogon distans</i> from the Himalayan region PI	Kumaun University, Nainital under Internal Funding for Research	2.0	2024
Sustainable approach for cleanup of metal polluted soils using basil species with respect to their genetic diversity, PI	GBPNIHE & SD, Kosi, Katarmal, Almora	9.95	2017-2020
Studies on optimization of drying conditions for high quality basil oil, Co-PI	Innovative Research Activities Scheme (U. G. C.), Kumaun University, Nainital	1.05	2016-2017
Phytoremediation strategies of	MOEnF, New Delhi	27.00	2012-

heavy metal contaminated soils using <i>Foeniculum</i> and <i>Coriandrum</i> , PI			2015
Remedial Strategies for meal contaminated soils using <i>Mentha</i> and <i>Ocimum</i> species, PI	USERC, Dehradun	11.00	2010-2012
Studies of heavy metal contamination on agricultural soils and dominant crops as pollution indicator in Tarai region of Kumaun Himalaya, Co-PI	UCOST, Dehradun	7.11	2009-2011
Study of the Terpenoid Composition and Chemosystematics of some Himalayan <i>Artemisia</i> species, PI	UGC, New Delhi	25,000.00	1999-2000

Teaching details

Name of the course/paper	Department	University	Year
Organic Chemistry (B. Sc. & M.Sc.)	Chemistry	D. S. B. Campus, Kumaun University, Nainital	1993 Onwards
Pre-Ph D course work	Chemistry	D. S. B. Campus, Nainital, Kumaun University, Nainital	2010 Onwards

Professional Memberships

Organization	Position	Year
Indian Association of Pharmacology	Life member	2000
CHEA (Central Himalayan Environment Association), Nainital	Life member	2002
Chemistry Teacher Association	Life member	2011
Organization for Women in Science for the Developing World (OWSDW), Italy	Full individual member	2011
Essential Oil Association of India	Fellow member	1995

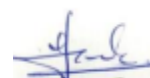
Conference Presentations

Title of Presentation	Conference Name	Name of the Institution	Year
Chemical Composition of the leaf oil of <i>Juniperus communis</i> L. from the Kumaun region.	44th Annual Convention and Seminar of Essential Oil Association of	Agra	2001

	India		
A New Himalayan Chemotype of <i>Cymbopogon distans</i> – Chemical composition and its commercial utility.	National Seminar on Drugs from Himalayan Herbs: Present Status and Future Strategies	Nainital	1999
Presented paper in 6th USSTC	USSTC	S. S. J. Campus, Almora	2011
Gave Invited Lecture and Chaired Technical Session	International Conference on Green Technology.	Haridwar	2012

Any other Information

	Department	University
Invited Talk	Chemistry	Dr. Harisingh Gour Vishwavidyalaya, Sagar, M.P
	Chemistry	Devi Ahilya Vishwavidyalaya, Indore
	Chemistry	Amity University, Noida
	Chemistry	Maulana Azad College of Arts, Science and Commerce, Aurangabad, Maharashtra
Resource Person, Orientation courses, Academic Staff College, Nainital, Sponsored by UGC (from 2007 onwards)		
Co-ordinator Refresher Course in Chemistry at UGC-MMC TTP, Kumaun University Nainital, 2023		
Resource Person, Refresher courses Academic Staff College, Nainital, Sponsored by UGC (from 2009 onwards)		
Resource Person, Brainstorming workshop, 6 th National Teachers Science Congress (NTSC-2011), 2011		
Ph.D. Supervised		10
M.Sc. Dissertation		15



Signature of the faculty member