

## Kumaun University, Nainital Curriculum Vitae

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Name : Veena Pande  
Designation : Professor  
Department : Department of Biotechnology  
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• Mobile No : 9412419725  
LinkedIn Profile (Optional) :  
ORCID ID : 0000-0002-4839-7276

### Educational Qualification

Degree	University	Subjects	Year
Ph.D.	Kumaun University, Nainital	Botany(Plant Biotechnology)	2004
M.Sc.	G.B. Pant University of Agriculture and Technology, Pantnagar	Biochemistry	1990
B.Sc.	Banasthali Vidyapeeth University,Raj	Zoolozy,Botany ,Chemistry	1987

### Work Experience

Position	Department	University/Organization	Year
Professor	Department of Biotechnology	Kumaun University,Nainital	2016-Till Date
Associate Professor (Pay band 9000/)	-Do-	-Do-	2013-2016
Associate Professor (Pay Band 8000/)	-Do-	-Do-	2010-2013
Assistant Professor	-Do-	-Do-	2004-2010
Teaching Personal	-Do-	-Do-	2001-2004
Guest Faculty	-Do-	-Do-	2000-2001

### Administrative Responsibilities

Position	Nature of responsibility	University/Organization	Year
Head & Coordinator Department of Biotechnology	Responsible for overseeing departmental administrative tasks, including management duties,	Kumaun University,Bhimtal Campus	April 2012 - March 2023

	coordinating with the Department of Biotechnology (DBT), Government of India, as well as engaging in teaching and research activities		
-Do-	Tasked with initiating programs, facilitating infrastructure development, managing administrative duties comprehensively, coordinating with the DBT and the Gol, while also overseeing overall departmental management alongside engaging in teaching and research endeavors.	Kumaun University, Bhimtal Campus	April 2005-Dec 2010
Coordinator Microbiology programme	Responsible for initiating programs and overseeing all administrative duties, in addition to engaging in teaching and research activities.	-Do-	Since its inception (2010)
Coordinator Bioinformatics Infrastructure Facility(DBT funded)	Responsible for initiating programs, ensuring infrastructure development aligns with DBT guidelines, and managing all administrative responsibilities.	Kumaun University,Nainital	Since its inception (2006)
Coordinator SC/ST NET Coaching Centre	Responsible for initiating programs, facilitating infrastructure development, conducting NET coaching classes for SC/ST students across both campuses and affiliated colleges, overseeing overall management and administration in accordance with UGC guidelines, and coordinating with the UGC.	Kumaun University,Nainital	Since its inception(2011)
Dean Students Welfare	Responsible for overseeing overall student welfare administration on campus, including organizing diverse	Kumaun University,Bhimtal Campus, Bhimtal	Since 2022

	events and activities aimed at raising awareness of various social and environmental issues.		
Hostel In-charge	Responsible for managing the administration of hostel facilities and services for students.	Kumaun University, Bhimtal Campus	Since 2012
District Coordinator	Responsible for coordinating various district-level council activities and disseminating the council's theme and motto to grassroots levels as widely as possible.	UCOST, Dehradun	Since 2012
Vice Principal	Responsible for initiating programs while overseeing coordination efforts, infrastructure development, course management including industrial training, and other related tasks.	Community College, Kumaun University, Nainital	2015-2019
Ombudsman	Tasked with impartially addressing grievances and ensuring adherence to institutional guidelines, promoting fairness and accountability within the academic community.	BIAS Bhimtal	Since 2022
Coordinator	Responsible for fostering awareness of intellectual property rights and organizing events to educate and promote discourse in the academic community on related matters, ensuring a culture of innovation and protection of intellectual assets.	IPR Cell, Kumaun University, Nainital	Since 2023

### Research Interests

(List your research interests and areas of expertise in 1-3 lines)

My research interests and areas of expertise include Plant Biotechnology, Bioinformatics, Microbiology, Environmental Science, and Technology applications in Healthcare. My expertise lies in exploring the intersection of technology and biology to address challenges in healthcare, biodiversity conservation, and sustainable development.

## Publications (start from recent publications)

### Research Papers

Sno.	Authors name	Title of the paper	Journal, vol, page no	Year
1.	Chaudhry,s., Foko, L. P. K.,Narang,G., Hawadak, J. ,Arya,A.,Pande,V.,Singh,V.	Genotyping var gene DBL1 $\alpha$ domain of severe and non-severe <i>Plasmodium falciparum</i> patients	Indian J Microbiol <a href="https://doi.org/10.1007/s12088-024-01200-1">https://doi.org/10.1007/s12088-024-01200-1</a>	2024
2.	Mathpal S, Joshi T, Sharma P, Maiti P, Nand M, Pande V, Chandra S.	. In silico screening of chalcone derivatives as promising EGFR-TK inhibitors for the clinical treatment of cancer	3 Biotech. 2024 Jan;14(1):18. doi:	2024
3.	Tiwari, D., Kewlani, P., Singh, L., Bhatt, I. D., Sundriyal, R. C., Pande, V.	A review on natural bioactive compounds of <i>Taraxacum officinale</i> Weber: A potential anticancer plant	RPS Pharmacy and Pharmacology Reports(Maj revision submitted)	2023
4.	Rawat, J., Pande, V.	Abiotic factors improving fatty acid profiling of freshwater indigenous microalgae isolated from Kumaun region of Uttarakhand, India	Brazilian Journal of Microbiology	2023
5.	Hawadak, J., Foko, L. P. K., Nana, R. R. D., Yadav, K., Pande, V., Das, A., Singh, V.	Genetic diversity and natural selection of apical membrane antigen-1 (ama-1) in Cameroonian <i>Plasmodium falciparum</i> isolates	Gene, 147956	2023
6.	Tewari, D., Rawat, K., Bisht, A., Almoyad, M. A. A., Wahab, S., Chandra, S., Pande, V.	Screening of potential inhibitors of Leishmania major N-myristoyltransferase from <i>Azadirachta indica</i> phytochemicals for leishmaniasis drug discovery by molecular docking, molecular dynamics simulation and density functional theory methods	Journal of Biomolecular Structure and Dynamics, 1-18	2023
7.	Khan, S., Jain, G., Srivastava, A., Verma, P. C., Pande, V., Dubey, R. S., Khan M., Ahmad, S.	Enzymatic biomethanol production: Future perspective	Sustainable Materials and Technologies, e00729	2023
8.	Atul, Chaudhary, P., Gupta, S., Shoaib, R., Pasupureddy, R., Goyal, B., Kumar, B., Singh Om P., Dixit, R., Singh, S., Akhter, M., Kapoor, N., Pande, V., Chakraborti, S., Vashisht, K, Pandey, K. C.	Artemisinin resistance in <i>P. falciparum</i> : Probing the interacting partners of Kelch13 protein in parasite	Journal of Global Antimicrobial Resistance	2023
9.	Tiwari, D., Kewlani, P., Gaira, K. S., Bhatt, I. D., Sundriyal, R. C., Pande, V.	Predicting phytochemical diversity of medicinal and aromatic plants (MAPs) across eco-climatic zones and elevation in Uttarakhand using Generalized Additive Model	Scientific Reports, 13(1), 11	2023
10.	Srivastava, S., Verma, S., Kamthania, M., Saxena, A.	Exploring the structural basis to develop efficient multi-	Plos One, 18(3), e0282580	2023

Sno.	Authors name	Title of the paper	Journal, vol, page no	Year
	K., Pandey, K. C., Pande, V., Kolbe, M.	epitope vaccines displaying interaction with HLA and TAP and TLR3 molecules to prevent NIPAH infection, a global threat to human health		
11.	Sinha, S., Gahtori, R., Kumari, P., Baharia, R. K., Saxena, M., Pande, V., Savargaonkar, D.	A Novel Multiplex RT-PCR for Simultaneous Detection of Malaria, Chikungunya and Dengue Infection (MCD-RT-PCR)	Proceedings of the National Academy of Sciences, India Section B: Biological Sciences, 1-7	2023
12.	Mahale, P., Sinha, S., Quadiri, A., Sharma, S., Gahtori, R., Kumari, P., Pande, V., Singh, H., Anvikar, A. R.	Design and validation of multiplex polymerase chain reaction as a diagnostic tool for <i>Plasmodium</i> species	Journal of Vector Borne Diseases, 60(2), 200-206	2023
13.	Jain, G., Dhar, Y. V., Srivastava, A., Singh, M., Sushmita, Singh, S., Saxena, A., Shukla, S. K., Ratnasekhar, Asif, M. H., Pande, V., Verma, P. C.	Identification and characterization of pectin remodeling gene families in <i>Withania somnifera</i> and their interaction during biotic stress	Industrial Crops and Products	2023
14.	Bisht, A., Bahukhandi, A., Bhatt, I. D., Pande, V.	Antioxidant properties and Polyphenolics of <i>Berberis lycium</i> : An Unexplored Wild Edible Fruit Species of Western Himalaya	National Academy of Science Letter	2023
15.	Bisht, A., Singh, L., Pandey, A., Pandey, V., Dasila, K., Bhatt, I. D., Pande, V.	Elicitor-induced phytochemicals production in <i>Berberis lycium</i> Royle	Industrial Crops and Products, 199, 116735	2023
16.	Bisht, A., Singh, L., Singh, B., Bisht, M., Pandey, A., Bhatt, I. D., Pande, V.	In vitro Propagation of Endemic Species <i>Mahonia Jaunsarensis</i> Ahrendt through Callus Culture	Applied Biochemistry and Biotechnology, 1-16	2023
17.	Bisht, A., Bahukhandi, A., Singh, B., Kewlani, P., Pande, V., Rawat S., Bhatt, I.D.	Morphological Nutritional Chemical and Antioxidant Potential of <i>Mahonia jaunsarensis</i> Ahrendt: A Narrow Endemic Wild Edible Fruit species of Western Himalaya	International Journal of Fruit Science	2023
18.	Pant, M., Kumar, S., Kiran, K., Bisht, N. S., Pande, V., Dandapat, A.	A universal green approach for the synthesis of NPS-codoped carbon quantum dots with enhanced broad-spectrum antibacterial and antioxidant activities	RSC Advances, 13(14), 9186-9194	2023
19.	Kundra, R. K., Samant, S. S., Pande, V., Goyal, V.	Antioxidant activities of <i>Lilium polyphyllum</i> D. Don - a critically endangered medicinal plant of north-western Indian Himalaya	Medicinal Plants, 15(1), 1-7	March 2023
20.	Foko, L. P. K., Hawadak, J., Verma, V., Kedi, P. B. E., Moukoko, C. E. E., Kamaraju, R., Pande, V., Singh, V.	Phytofabrication and characterization of <i>Alchornea cordifolia</i> silver nanoparticles and evaluation of antiplasmodial, hemocompatibility and	Frontiers in Bioengineering and Biotechnology, 11	2023

Sno.	Authors name	Title of the paper	Journal, vol, page no	Year
		larvicidal potential		
21.	Anjum, S., Agnihotri, V., Rana, S., Pandey, A., Pande, V.	The impact of processing methods and conditions on nutritional properties of soybean-based Tofu: A review	Journal of Food Engineering and Technology, 12(1), 1-13	Jan 2023
22.	Sharma, A., Sarma, D., Joshi, R., Das, P., Akhtar, M. S., Pande, V., Sharma, P.	Gonad indices, morphology and muscle fatty acid compositions of male and female golden mahseer ( <i>Tor putitora</i> ) sampled from lake Bhimtal (Himalaya) at different seasons of the year	Aquaculture and Fisheries	2022
23.	Srivastava, D., Verma, G., Chawda, K., Chauhan, A. S., Pande, V., Chakrabarty, D.	Overexpression of Asr6, abscisic acid stress-ripening protein, enhances drought tolerance and modulates gene expression in rice ( <i>Oryza sativa</i> L.)	Environmental and Experimental Botany, 202, 105005	2022
24.	Bajpai, R., Paul, R. R., Pandey, U., Singh, C. P., Kumar, A., Uniyal, S. K., Pande, V., Upreti, D. K.	Refining the picture of lichen biota of Himachal Pradesh together with new distributional records to the state	Nelombo	2022
25.	Foko, L. P. K., Hawadak, J., Motse, F. D. K., Moukoko, C. E. E., Mawabo, L. K., Pande, V., Singh, V.	Non-falciparum species and submicroscopic infections in three epidemiological malaria facets in Cameroon	BMC Infectious Diseases, 22:900	2022
26.	Lodhi, A., Giri, N., Bisht, D. S., Prasad, P., Pande, V., Arya, D. K.	Zinc Oxide Nanoparticles Biosynthesized Using Lactobacillus Isolate Exhibiting Promising in vitro Antibacterial activity against antibiotic resistant Diarrheagenic Escherichia Coli Isolates	Biochem. Cell. Arch., Vol. 22, No. 1, pp. 1469-1476	2022
27.	Joshi, K., Adhikari, P., Bhatt, I. D., Pande, V.	Source dependent variation in phenolics, antioxidant and antimicrobial activity of <i>Paeonia emodi</i> in west Himalaya, India	Physiol Mol Biol Plants, 28(9):1785–1798	2022
28.	Rawat, J., Pandey, N., Joshi, A., Jain, A., Pande, V.	Insight on advanced technologies and natural compounds against SARS-CoV-2	Indian Journal of Natural Sciences, 13(74), 48561-48570	2022
29.	Hawadak, J., Foko, L. P. K., Pande, V., Singh, V.	In vitro antiplasmodial activity, hemocompatibility and temporal stability of <i>Azadirachta indica</i> silver nanoparticles	Artificial Cells, Nanomedicine, and Biotechnology, 50(1), 286–300	2022
30.	Yadav, R., Kumar, A., Bano, N., Singh, P., Pandey, A., Dhar, Y. V., Bag, S. K., Pande, V., Sharma, P., Singh, S. P., Iqbal, H. M. N., Sanyal, I.	Co-expression of <i>Cocculus hirsutus</i> trypsin inhibitor with Cry protein reduces resistant development in targeted insects along with complete mortality	Industrial Crop and products	2022
31.	Kalkal, M., Kalkal, A., Dhanda, S. K., Das, E.,	A comprehensive study of epitopes and immune	BMC Microbiology, 22 (1): 1-14	2022

Sno.	Authors name	Title of the paper	Journal, vol, page no	Year
	Pande, V., Das, J.	reactivity among Plasmodium sp.		
32.	Kumari, S., Tevatiya, S., Rani, J., Das De, T., Chauhan, C., Sharma, P., Sah, R., Singh, S., Pandey, K. C., Pande, V., Dixit, R.	A testis-expressing heme peroxidase HPX12 regulates male fertility in the mosquito <i>Anopheles stephensi</i>	Scientific reports, 12(1), 1-13	2022
33.	Ansari, M. A., Bano, N., Kumar, A., Dubey, A. K., Asif, M. H., Sanyal, I., Pande, V., Pandey, V.	Comparative transcriptomic analysis and antioxidant defense mechanisms in clusterbean ( <i>Cyamopsis tetragonoloba</i> (L.) Taub.) genotypes with contrasting drought tolerance	FunctIntegr Genomics, 22(4):625-642	2022
34.	Surabhi, S., Pande, V., Pandey, V.	Ethylenediurea (EDU) mediated protection from ambient ozone-induced oxidative stress in wheat ( <i>Triticum aestivum</i> L.) under a high CO <sub>2</sub> environment	Atmospheric Pollution Research, 13(8), 101503	2022
35.	Oseni, O. M., Nailwal, T. K., Pande, V.	Assessment of somaclonal variation occurrence in micropropagated <i>Mansonialaaltissima</i> (A. Chev.) A. Chev. using molecular marker	South African Journal of Botany	2022
36.	Tripathi, P. H., Pandey, A., Ciji, A., Pande, V., Rajesh, M., Kamalam, B. S., Akhtar, M. S.	Molecular characterization of four innate immune genes in <i>Tor putitora</i> and their comparative transcriptional abundance during wild- and captive-bred ontogenetic developmental stages	Fish and Shellfish Immunology Reports	2022
37.	Anjum, S., Rana, S., Dasila, K., Agnihotri, V., Pandey, A., Pande, V.	Comparative nutritional and antimicrobial analysis of Himalayan black and yellow soybean and their okara	J Sci Food Agric	2022
38.	Deora, N., Yadav, C. P., Pande, V., Abhinav Sinha, A.	A systematic review and meta-analysis on sub-microscopic <i>Plasmodium</i> infections in India: different perspectives and global challenges	The Lancet Regional Health – Southeast Asia	2022
39.	Verma, S., Chakraborti, S., Singh, O. P., Pande, V., Dixit, R., Pandey, K. C., Pandey, A. V.	Recognition of fold and function-specific sites in the ligand-binding domain of thyroid hormone receptor-like family	Frontiers in Endocrinology, 2402	2022
40.	Ahlawat, S., Singh, K. P., Nehra, A., Md. Arif, Pande, V.	Ultra rapid biosensors for detecting carcinoma biomarkers	Materials Express, Vol. 12	2022
41.	Kumari, P., Sinha, S., Gahtori, R., Quadiri, A., Mahale, P., Savargaonkar, D., Pande, V., Srivastava, B., Singh, H., Anvikar, A. R.	Comparative assessment of diagnostic performance of cytochrome oxidase multiplex PCR 2 and 18S rRNA nested PCR	Korean Journal of Parasitology	2022

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42.	Singh, P., Kumar, P., Pande, V., Kumar, V., Dhiman, R. C.	Untargeted metabolomics-based response analysis of temperature and insecticide exposure in <i>Aedes aegypti</i>	Scientific reports, 12(1), 1-16	2022
43.	Singh, P., Pande, V., Dhiman, R. C.	Revisiting the Impact of temperature on survival of <i>Anopheles stephensi</i> and <i>Ae. aegypti</i> and implications on extrinsic incubation period	J Commun Dis, 54, (1), 1-8	2022
44.	Pandey, K., Kumar, R. S., Prasad, P., Sushma, Pande, V., Trivedi, P. K., Shirke, P. A.	Synchronized interaction of carbon and nitrogen provides drought tolerance in <i>Cyamopsis tetragonoloba</i>	Environmental and Experimental Botany	2022
45.	Faridi, N., Samuel, M., Bhatt, S., Agarwal, A., Pande, V., Bala, M.	First Report of Physico-Chemical Agents of Viable But Non Culturable (VBNC) forms of <i>Ralstonia pseudo solanacearum</i>	Journal of pure and applied microbiology	2022
46.	Kalkal, M., Chauhan, R., Thakur, R. S., Tiwari, M., Pande, V., Das, J.	IL-10 Producing Regulatory B Cells Mediated Protection against Murine Malaria Pathogenesis	Biology	2022
47.	Arya, A., Chaudhry, S., Meena, S. S., Matlani, M., Pande, V., Singh, V.	Studying the marker used for the assessment of disease severity in clinical isolates of <i>Plasmodium vivax</i>	Microbial Pathogenesis	2022
48.	Mathpal, S., Sharma, P., Joshi, T., Pande, V., Chandra, S.	Identification of Zinc Binding Inhibitors of Matrix metalloproteinase-9 to prevent cancer through Deep learning and Molecular dynamics simulation approach	Frontier in Molecular Bioscience	2022
49.	Srivastava, S., Pandey, S. P., Singh, P., Pradhan, L., Pande, V., Sane, A. P.	Early wound-responsive cues regulate the expression of WRKY family genes in chickpea differently under wounded and unwounded conditions	Physiology and Molecular Biology of Plants	2022
50.	Rawat, J., Gupta, P. K., Pandit, S., Priya, K., Agarwal, D., Pant, M., Thakurand, V. K., Pande, V.	Latest Expansions in Lipid Enhancement of Microalgae for Biodiesel Production: An Update	Energies, 15, 1550	2022
51.	Kewlani, P., Tiwari, D. C., Singh, B., Negi, V. S., Bhatt, I. D., Pande, V.	Source-dependent variation in phenolic compounds and antioxidant activities of <i>Prinsepia utilis</i> Royle fruits	Environ Monit Assess, 194:162	2022
52.	Mathpal, S., Joshi, T., Sharma, P., Pande, V., Chandra, S.	Assessment of activity of chalcone compounds as inhibitors of 3-chymotrypsin like protease (3CLPro) of SARS-CoV-2: in silico study	Structural Chemistry	2022
53.	Kumari, S., Sharma, S., Bhardwaj, N., Kumar, S., Md Ahmed, Z., Pande, V., Anvikar, A. R.	Pfhrp2 /3 gene deletion and genetic variation in PfHRP2-based RDTs with <i>P. falciparum</i> positive samples and its implication in malaria control	Infection, Genetics and Evolution	2022



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54.	Oseni, O. M., Nailwal, T. K., Pande, V.	Callus induction and multiple shoot proliferation from nodal explants of <i>Mansonia altissima</i> : confirmation of genetic stability using ISSR and RAPD markers	In Vitro Cellular & Developmental Biology – Plant	2022
55.	Bisht, A., Pandey, A., Bhatt, I. D., Pande, V.	Propagation of <i>Mahonia jaunsarensis</i> : an endemic medicinal shrub of Western Himalaya, India	Plant Biosystems-An International Journal Dealing with all Aspects of Plant Biology, 156(4), 1050-1055	2022
56.	Tiwari, D., Bhatt, I. D., Pande, V.	Promoting <i>Rubia cordifolia</i> Linn. through agro-technique for livelihood security and ecorestoration in Uttarakhand	ENVIS Bulletin Himalayan Ecology, 29, 98-101	2021
57.	Chaudhry, S., Arya, A., Matlani, M., Meena, S. S., Pande, V., Singh, V.	Molecular characterization of the severe falciparum malaria with typhoid co-infection: A case report	Journal of Vector Borne Diseases	2021
58.	Pandey, A., Rajesh, M., Baral, P., Sarma, D., Tripathi, P. H., Akhtar, M. S., Ciji, A., Dubey, M. K., Pande, V., Sharma, P., Kamalam, B. S.	Concurrent changes in thermal tolerance thresholds and cellular heat stress response reveal novel molecular signatures and markers of high-temperature acclimation in rainbow trout	Journal of Thermal Biology, 102, p.103124	2021
59.	Lodhi, A., Giri, N., Bisht, D. S., Bhoj, S., Pande, V., Arya, D. K.	Eco-Friendly synthesis of Zinc Oxide nanoparticles and their Antibacterial activity: A Review	J. Exp. Zool. India Vol. 24, No. 2, pp. 1029-1037	2021
60.	Pandey, U., Singh, B. N., Pande, V., Upreti, D. K.	Green Synthesis of Antimicrobial Nanoparticles from Indian Lichens	Indian Journal of Natural Sciences. 12 (66ch):31144-31169	2021
61.	Kumari, S., Md. Ahmed, Z., Sharma, S., Pande, V., Anvikar, A. R.	Prevalence of Pfhrrp2/3 gene deletions among false negative rapid antigen test results in central India	Journal of vector born diseases	2021
62.	Kewlani, P., Tewari, D. C., Singh, L., Negi, V. S., Bhatt, I. D., Pande, V.	Saturated and polyunsaturated fatty acids rich populations of <i>Prinsepia utilis</i> Royle in western Himalaya	Journal of Oleo Science	2021
63.	Kumar, S., Sharma, S., Bhardwaj, N., Pande, V., Savargaonkar, D., Anvikar, A. R.	Advanced Lyophilised Loop Mediated Isothermal Amplification (L-LAMP) based point of care technique for the detection of dengue virus	Journal of Virological Methods	2021
64.	Kumar, S., Sharma, S., Kumari, S., Pande, V., Savargaonkar, D., Anvikar, A. R.	Magnetic Multiplex Loop Mediated Isothermal Amplification (MM-LAMP) technique for simultaneous detection of dengue and chikungunya virus	Journal of Virological Methods	2021
65.	Pal, L. C., Gautam, A., Pande, V., Rao, C. V.	Anticancer property of <i>Selaginella bryopteris</i> (L.) Bak. against hepatocellular carcinoma in vitro and in vivo	Phytomedicine plus 2	2021
66.	Rawat, S., Shahi, N.,	Biocontrol of Toxin Producing	Internatational Journal	2021

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	Mallik, S. K., Pathak, R., Singh, B., Pande, V.	<i>Cyanobacterium microcystis</i> aeruginosa by Algicidal Bacterium <i>Exiguobacterium acetylicum</i> Strain TM2 Isolated from Mid-Altitudinal Himalayan Lake of Northern India	of Current Microbiology and Applied Sciences	
67.	Dhatwalia, D., Aminedi, R., Kalia, V., Pande, V., Bhattacharya, R.	Host-mediated attenuation of gut sucrose in mustard aphid <i>Lipaphis erysimi</i> impaired its parthenogenetic reproduction on Indian Mustard <i>Brassica juncea</i>	Pest Management Science	2021
68.	Pandey, K., Kumar, R. S., Prasad, P., Pande, V., Trivedi, P. K., Shirke, P. A.	Coordinated regulation of photosynthesis and sugar metabolism in guar increases tolerance to drought	Environmental and Experimental Botany, 194,104701	2021
69.	Meenakshi, Kumar, A., Kumar, V., Dubey, A. K., Narayan, S., Sawant, S. V., Pande, V., Shirke, P. A., Sanyal, I.	CAMTA transcription factor enhances salinity and drought tolerance in chickpea ( <i>Cicer arietinum</i> L.)	Plant Cell, Tissue Organ Culture	2021
70.	Tiwari, A., Auley, De., Pande, V., Sinha, A.	Interlinking Antecedent Malaria and hypertension through angiotensin II in India	Frontiers in Cardiovascular Medicine	2021
71.	Foko, L. P. K., Motse, F. D. K., Mawabo, L. K., Pande, V., Singh, V.	First evidence of local circulation of <i>Plasmodium ovale curtisi</i> and reliability of a malaria rapid diagnostic test among symptomatic outpatients in Douala, Cameroon	Infection Genetics and Evolution, 91:1567-1348	2021
72.	Kala, K., Shahi, N., Singh, S., Rawat, S., Patiyal, R. S., Pande, V., Mallik, S. K.	New Host record of <i>Vibrio Anguillarum</i> associated with haemorrhagic septicaemia in a Golden Mahaseer, <i>Tor Putitora</i> (Hamilton, 1822) from INDIA	Indian Journal of Comparative Microbiology Immunology and Infectious Diseases, 42(1)	2021
73.	Kumar, A., Kumar, S., Kumari Kiran, Banerjee, S., Pande, V., Dandapat, A.	Myco-nanotechnological approach to synthesize silver oxide nanocuboids using endophytic fungus isolated from <i>Citrus pseudolimon</i> plant	Colloids and Surfaces B: Biointerfaces, 206, 111948	2021
74.	Sharma, N., Sharma, R. K., Samant, S. S., Pande, V., Singh, P. K.	Exposure of human population to heavy metals through consumption of selected vegetables collected from local markets of north-western Indian Himalaya	International Journal of Ecology and Environmental Sciences	2021
75.	Bisht, B., Pancholi, D., Pande, V., Dandapat, A.	A green approach to synthesize Au nanoplates using <i>Morus indica</i> L. fruit extract and their superior activities in catalysis and surface enhanced Raman scattering	Vegetos	2021
76.	Mathpal, S., Sharma, P., Joshi, P., Joshi, T., Pande,	Screening of potential bio-molecules from <i>Moringa</i>	Journal of Biomolecular Structure and Dynamics	2021

Sno.	Authors name	Title of the paper	Journal, vol, page no	Year
	V., Chandra, S.	<i>olifera</i> against SARS-CoV-2 main protease using computational approaches		
77.	Mishra, S., Sharma, G., Das, M. K., Pande, V., Singh, O. P.	Intragenomic sequence variations in the second internal transcribed spacer (ITS2) ribosomal DNA of the malaria vector <i>Anopheles stephensi</i>	PlosOne	2021
78.	Joshi, T., Pandey, S. C., Maiti, P., Tripathi, M., Paliwal, A., Nand, M., Sharma, P., Samant, M., Pande, V., Chandra, S.	Antimicrobial activity of methanolic extracts of <i>Vernonia cinerea</i> against <i>Xanthomonas oryzae</i> and identification of their compounds using insilico techniques	PlosOne	2021
79.	Kalkal, M., Tiwari, M., Thakur, R. S., Awasthi, V., Pande, V., Chattopadhyay, D., Das, J.	Mesenchymal Stem Cells: A Novel Therapeutic Approach to Enhance Protective Immunomodulation and Erythropoietic Recovery in Malaria	Stem Cell Reviews and Reports	2021
80.	Rawat, J., Gupta, P. K., Pandit, S., Prasad, R., Pande, V.	Current perspectives on integrated approaches to enhance lipid accumulation in microalgae	3 Biotech	2021
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85.	Tariq, M., Nandi, S. K., Bhatt, I. D., Bhavsar, D., Roy, A., Pande, V.	Phytosociological and niche distribution study of <i>Paris polyphylla smith</i> , an important medicinal herb of Indian Himalayan region	Tropical ecology	2021
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89.	Auley De, Tiwari, A., Pande, V., Sinha, A.	Evolutionary trilogy of malaria, angiotensin II and hypertension: deeper insights and the way forward	Journal of Human Hypertension	2021
90.	Sharma, A., Sharma, P., Das, P., Pande, V., Sharma, D.	Study on the sex-specific seasonality of fatty acid profiles in golden mahseer ( <i>Tor putitora</i> ) collected from lacustrine ecosystem of Indian Himalaya	SKUAST Journal of Research, 23 (1)	2021
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101.	Dhatwalia, D., Maithreyi, R. S., Bhatt, D., Pande, V., Bhattacharya, R.	In silico analysis of <i>Arabidopsis</i> CLAVATA3 promoter and its deployment for expressing bacterial cre recombinase in transgenic Indian Mustard <i>Brassica juncea</i>	Indian journal of agriculture Sciences	2020
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104.	Lade, S., Pande, V., Rana, T. S., Yadav, H. K.	Estimation of genetic diversity and population structure in <i>Tinospora cordifolia</i> using SSR markers	3 Biotech, 10(7), 1-9	2020
105.	Joshi, T., Sharma, P., Joshi, T., Mathpal, S., Pande, V., Chandra, S.	Repurposing of FDA approved drugs against <i>Salmonella enteric</i> serovar Typhi by targeting dihydrofolate reductase: an in silico study	Journal of Biomolecular Structure and Dynamics	2020
106.	Nand, M., Maiti, P., Joshi, T., Chandra, S., Pande, V., Kuniyal, J. C., Ramakrishnan, M. A.	Virtual screening of anti HIV1 compounds against SARS CoV 2: machine learning modeling, chemoinformatics and molecular dynamics simulation based analysis	Scientific reports	2020
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264.	Goel, C., Barat, A., Pande, V., Sahoo, P. K.	Comparative in silico analysis of MBL homologues of teleost	World Journal of Fish and Marine Sciences, 5(4): 426-429	2013
265.	Singh, C., Singh, S., Pande, C., Tewari, G., Pande, V., Sharma, P.	Exploration of antimicrobial potential of essential oils of <i>Cinnamomum glanduliferum</i> , <i>Feronia elephantum</i> , <i>Bupleurum hamiltonii</i> and <i>Cyclosporum leptophyllum</i> against foodborne pathogens	Pharmaceutical Biology	2013
266.	Ojha, S. N., Negi, K. S., Tiwari, L. M., Mehta, P. S., Rana, J. C., Pande, V., Sharma, S., Panwar, A.	Variation in essential oil composition and antimicrobial activity of Indian Oregano ( <i>Origanum vulgare</i> L.) population from Indian Himalayan Region (IHR)	Journal of Medicinal Plant Research, 7(46):3375-3384	2013
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268.	Chauhan, K., Pande, V., Das, A.	Analyses of genetic variations at microsatellite loci present in-and-around the Pfcrt gene in Indian <i>Plasmodium falciparum</i>	Infection, Genetics and Evolution, 20:476-487	2013
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270.	Kapoor, N., Arif, M., Pande, V.	Antioxidative defense to salt stress in <i>Trigonella foenum-graecum</i> L.	Current Discovery, 2(2): 123-127	2013
271.	Siddiqui, M. A., Pande, V., Arif, M.	Polygalacturonase production from <i>Rhizomucorpus illus</i> isolated from fruit markets of Uttar Pradesh	African Journal of Microbiology Research, 7(3) 252-259	2013
272.	Jain, N., Malik, R., Pande, V., Kumar, R., Verma, R. P. S.	Identification of genomic regions associated with leaf blight resistance in barley	International Journal of Advanced Biotechnology and Research, 4(4):553-559	2013
273.	Gupta, S. M., Pandey, P., Negi, P. S., Pande, V., Grover, A., Patade, V. Y., Ahmed, Z.	DRE-binding transcription factor gene (LlaDREB1b) is regulated by various abiotic stresses in <i>Lepidium latifolium</i> L.	Molecular Biology Reports, 40: 2573-2580	2013
274.	Singh, D., Mathela, C., Panwar, A., Pande, V.	Antioxidant and antimicrobial activity of <i>Grangea maderaspatana</i> (L.) Poir. Extract	Journal of Drug Discovery and Therapeutics, 1 (7)	2013
275.	Singh, R. K., Singh, S., Pandey, P., Anandhan, S.,	Construction of cold induced subtracted cDNA library from	Protoplasma, 250(2):459-69	2013

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	Goyary, D., Pande, V., Ahmed, Z.	<i>Cicer microphyllum</i> and transcript characterization of identified novel wound induced gene		
276.	Mahar, K. S., Rana, T. S., Ranade, S. A., Pande, V.	Estimation of genetic variability and population structure in <i>Sapindus trifoliatus</i> L., using DNA fingerprinting methods	Trees, 27: 85	2013
277.	Talambedu, U., Tripathi, P., Pande, V., Middha, S. K.	Molecular Docking and Quantum Mechanical Studies on Pelargonidin-3-Glucoside as Renoprotective ACE Inhibitor	ISRN Computational Biology, Article ID 428378, p-4	2013
278.	Sati, J., Pande, V., Sah, S., Barat, A.	Cross species amplification of microsatellite loci in endangered fish <i>T. putitora</i> (Golden Mahseer)	Journal of Ecophysiology & Occupational Health, 13(2):73-77	2012
279.	Matura R, Sharma S, Barat A, Pande V, Mahanta PC	Development and characterization of microsatellite markers in Garragotyla (Family: Cyprinidae, Pisces)	Molecular Ecology Research 12:185-189. (IF-5.163)	2012
280.	Gupta, N., Rathore, M., Goyary, D., Khare, N., Anandhan, S., Pande, V., Ahmed, Z.	Marker-free transgenic cucumber expressing Arabidopsis CBF1 gene confers chilling stress tolerance	Biologia Plantarum, 56 (1): 57-63	2012
281.	Kumar, N., Pande, V., Bhatt, R. M., Shah, N. K., Mishra, N., Srivastava, B., Valecha, N., Anvikar, A. R.	Genetic deletion of HRP2 and HRP3 in Indian <i>Plasmodium falciparum</i> population and false negative malaria rapid diagnostic test	Acta Tropica, 125(1):119-21	2012
282.	Singh, R., Singh, M. K., Chandra, L. R., Bhatt, D., Arora, M. S., Nailwal, T. K., Pande, V.	In vitro antioxidant and free radical scavenging of <i>Macrotyloma uniflorum</i> dal from Kumaun region	International Journal of Fundamental and applied Sciences, 1(I), 9-11	2012
283.	Giri, L., Dhyani, P., Rawat, S., Bhatt, I. D., Rawal, R. S., Nandi, S. K., Pande, V.	In vitro production of phenolic compounds and antioxidant activity in callus suspension cultures of <i>Habenaria edgeworthii</i> : A rare Himalayan medicinal orchid	Industrial Crops and Products, 391-6	2012
284.	Giri, L., Jugran, A., Bhatt, I. D., Rawal, R. S., Nandi, S. K., Pande, V.	Promoting Conservation and Sustainable Use of Rare Species of Himalayan Orchid <i>Habenaria edgeworthii</i> Through In Vitro Propagation	In Vitro Cellular & Developmental Biology-Animal, 48:62-62	2012
285.	Rawat, S., Jugran, A., Bhatt, I. D., Rawal, R. S., Nandi, S. K., Pande, V.	In-Vitro Antioxidant Activity and Genetic Diversity in <i>Hedychium spicatum</i> from West Himalaya, India	In Vitro Cellular & Developmental Biology-Animal, 48:79-79	2012
286.	Jugran, A., Bhatt, I. D., Rawal, R. S., Nandi, S. K., Pande, V.	Impact of Habitat Type and Altitudinal Range on Morphological and Genetic Diversity of <i>Valeriana jatamansi</i> in Western	In Vitro Cellular & Developmental Biology-Animal, 48:63-64	2012

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287.	Pande, V., Pandey, M., Sharma, N. K., Lohani, Y. C., Midhha, S. K.	Ectomycorrhizal DB: A Symbiotic Association database	Bioinformation, 8(2): 104-106	2012
288.	Aslam, M., Singh, R., Sivalingam, A., Pande, V., Ahmed, Z.	Isolation and characterization of cold responsive NAC gene from <i>Lepidium latifolium</i>	Molecular Biology Reports, MOLE	2012
289.	Siddiqui, M. A., Pande, V., Arif, M.	Production, Purification, and Characterization of Polygalacturonase from <i>Rhizomucor pusillus</i> Isolated from Decomposting Orange Peels	Enzyme Research	2012
290.	Kumar, N., Singh, J. P. N., Pande, V., Mishra, N., Srivastava, B., Valecha, N., Anvikar, A. R., Kapoor, R.	Genetic variation in histidine rich proteins among Indian <i>Plasmodium falciparum</i> population: possible cause of variable sensitivity of malaria rapid diagnostic tests	Malaria Journal, 11:298	2012
291.	Midhha, S. K., Talambedu, U., Tripathi, P., Marathe, K. Y., Jain, T., Bhatt, B., Masurkar, Y. P., Pande, V.	An In vitro study on indigenous ayurvedic plants, having hypoglycemic activity	Asian Pacific Journal of Tropical Disease, S46-S49	2012
292.	Khan, N., Chittoria, A., Pande, V., Jaiswal, Y. K., Das, A.	Development of multilocus putatively neutral DNA markers in the X-chromosome for population genetic studies in humans	Annals of Human Biology	2012
293.	Singh, R. K., Singh, S., Pandey, P., Anandhan, S., Goyary, D., Pande, V., Ahmed, Z.	Construction of cold induced subtracted cDNA library from <i>Cicer microphyllum</i> and transcript characterization of identified novel wound induced gene	Protoplasma, 250(2):459-469	2012
294.	Goel, C., Barat, A., Pande, V., Ali, S., Kumar, R.	Length-weight relationship of snow Trout ( <i>Schizothorax richardsonii</i> ) based on linear and nonlinear models from hill stream of Uttarakhand, India	World Journal of Fish and Marine Science, 3(6): 485-488	2011
295.	Siddiqui, M., Pande, V., Arif, M.	Polygalactouranose production by <i>Rhizomucor pusilis</i> isolated from decomposting orange peels	Biochemistry and Cellular Architecture, 11 (2), 381-287	2011
296.	Khan, N., Pande, V., Das, A.	Characterization, comparative genomics and evolutionary inferences of a human drug Metabolizing (NAT2) gene	Interventional Medicine & Applied Science, 3 (2): 65-73	2011
297.	Sah, S., Barat, A., Pande, V., Sati, J., Goel, C.	Population Structure of Indian Hill Trout ( <i>Barilius bendelisis</i> ) Inferred from Variation in Mitochondrial DNA Sequences	Advances in Biological Research, 5 (2): 93-98	2011
298.	Bhattacharjee, B., Talambedu, U., Sadegh, S., Goyal, A. K., Pande, V.,	Computer aided screening of inhibitors to 5- $\alpha$ . reductase type 2 for prostate cancer	Bioinformation, 6(7), 262-265	2011

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	W., and Zhang, Y. X.			
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302.	Asad, A., Siddique, M. A., Arif, M., Pande, V.	Isolation and screening of xylanase producing <i>Aspergillus sp.</i> from soil	The Scientific Temper, 1:85-88	2010
303.	Pande, V., Pande, M.	Molecular diversity of ectomycorrhizal fungi of central Himalaya: An important component of forest ecosystem	The Scientific Temper, 1:21-26	2010
304.	Bisht, D. S., Padalia, R. C., Singh, L., Pande, V., Methela, C. S.	Constituents and antimicrobial activity of essential oils of six Himalayan <i>Nepeta</i> species	The Journal of Serbian Chemical Society, 75(6), 739-747	2010
305.	Singh, R. K., Anandhan, S., Pande, V., Ahmed, Z.	Metallothionin like gene from <i>Cicer microphyllum</i> is regulated by multiple abiotic stress	Protoplasma	2010
306.	Singh, P., Singh, A., Shukla, A. K., Singh, L., Pande, V., Nailwal, T. K.	Somatic embryogenesis and in Vitro regeneration of an endangered medicinal plant Sargandha ( <i>Rauvolfia serpentina L.</i> )	Life Science Journal, 6(2):55-60	2009
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308.	Aslam, M., Singh, R., Sivalingam, A., Pande, V., Ahmed, Z.	Development of a transformation protocol for <i>Tecomella undulate</i> (Smith) Seem from cotyledonary node explants	Scientia Horticulturae, 121:119-121	2009
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311.	Pande, V., Negi, S., Chand, L., Singh, R. L.	Studies on Seed Storage proteins and their synthesis during seed development in Pigeon Pea ( <i>Cajanus cajan</i> )	Advances in Life Sciences, 1(2):52-58	2007
312.	Pande, V., Palni, U. T., Singh, S. P.	Ectomycorrhizal influences on selected tree species from Central Himalayan Region of India	Symbiosis, 44(1-3):115-120	2007
313.	Pande, V., Palni, U. T., Singh, S. P.	Effect of Ectomycorrhizal fungal species on the competitive outcome of two major forest species of Central Himalaya	Current Science, 92(1):80-84	2007
314.	Pande, V., Chand, L., Singh, R. L.	Studies on storage proteins in developing and mature seeds of black gram	Journal of Food Science and Technology, 43(1):18-21	2006
315.	Pande, V., Palni, U. T., Singh, S. P.	Species diversity of ectomycorrhizal fungi associated with temperate forests of Western Himalaya, a preliminary assessment	Current Science, 86(12):1619-1623	2004

a) Patents (start from recent publications)

Authors name	Title of the patent	Patent no (Granted or filed)	Year
Singh L., Ponnavaikko M., Singh G.P.I., Dubey G.P., Pande V. and Agrawal A.	Association Between Neopterin Concentration and Neurovascular Charges in Type-2 Diabetes Patients - Effect of an Ayurvedic Formulation Mainly Containing Berberis aristata.	Granted: US2016/0158301 A1	2016
Dandapat A., Pancholi D., Bisht N.S., Pande V., Pandey S. and Sahoo N.G.	A Process to Synthesize Crystalline Biobr/Bioi Solid Solution Nanostructures	Applied: 202011040517 (Under process)	2020

b) Books (start from recent publications)

Authors name	Title of the book	Publisher	ISBN	Year

d)Book chapters (start from recent publications)

Sno.	Authors Name	Title of the Book	Publisher	ISBN	Year
1.	Tiwari, D, Bhatt I.D., Sundriyal, R.C., Tewari, L., Pande V.	Potential Therapeutic Activities Derived from Manjistha ( <i>Rubia cordifolia Linn.</i> )	Indu Book Services Pvt. Ltd.	978-93-91377-78-6	2023
2.	Bajpai, R., Pandey, U., Singh, B.N., Pande V., Singh C P., Upreti. D.K.	Bioprospection Potential of Indian Cladoniaceae Together with Its Distribution, Habitat Preference, and Biotechnological Prospects	Biotechnology in Environmental Remediation	10.1002/9783527839063.ch9	2023
3.	Rawat, J., Pant, P., and Pande, V.	Utilization of Sustainable Resources to Combat Challenges in Environment and Climate Changes	Newgen Publishing UK Ltd.	DOI: 10.1201/9781003220824-8	2022
4.	Rawat, J., Pande, V..	Methods of strain improvement for Crop Improvement	Springer publisher	978-981-16-3840-4	2021
5.	Rawat, J., Pande, V.	A review: Major techniques used in microalgal lipid and fatty acid analysis	Akinik publications, New Delhi	ISBN: 978-93-90420-52-0	2020
6.	Oseni, O.M, Nailwal T.K., Pande, V.	<i>Momordica charantia L.</i> (Cucurbitaceae), a Vegetable of Utmost Nutritive and Pharmacological Importance	Nova Publishers	ISBN: 978-1-53618-140-1	2020
7.	Rawat, J., Yadav, N., Pande, V.	Role of rhizospheric microbial diversity in plant growth promotion in maintaining the sustainable agro system at high altitude regions	Elsevier	ISBN: 978-0-12-821265-3	2020
8.	Rawat, J., Pande, V.	Biodiesel from Microalgae: A Promising Renewable Feedstock	Nova Publishers	ISBN: 978-1-53618-140-1	2020
9.	Kumar ,S., Pant, M., Pande,V., Dandapat, A.	Endophytic Fungi: A Potent Biofactory to Produce Biologically-Active Natural Products	Nova Publishers	ISBN: 978-1-53618-140-1	2020
10.	Pant, M., Pancholi, D., Pande, V. and Dandapat, A.	Immuno-chromatographic Strip Based Sensor for the Detection of Water Pollutants	Springer	P.233-253	2020
11.	Pande, V., Bisht ,T.	Integrated use of biofertilizers and biopesticides in crop production	Apple Academic press inc.	319-336	2019
12.	Belwal ,T., Devkota, H.P., Singh, M.K., Sharma,R., Upadhayay, S., Joshi, C., Bisht,K., Gour,J.K., Bhatt, .ID., Rawal ,R.S., Pande,V.	St. John's Wort ( <i>Hypericum perforatum</i> ) Nonvitamin and Nonmineral Nutritional Supplements	N/A	N/A	2019
13.	Pandey, A., Tripathi, P., Paliwal, A., Pande ,V.	Various Approaches for Food Waste Processing and Its Management	N/A	N/A	2019
14.	Nand, M., Pande, V., Maiti, P., Chandra, S.	Health status of Uttarakhand Women associated with lung cancer and in silico screening	N/A	N/A	2018

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		of natural anti-lung cancer compounds			
15.	Verma, A., Upreti ,D.K, Pande, V., Pal, M.	Nutritional and medicinal values of fruits in diabetes	Pointer publisher	ISBN:978-81-7910-537-5	2017
16.	Chauhan, R., Awasthi ,S., Singh, A.P., Srivastava, S., Pande ,V., Tripathi, R.D., Kumar, A.	Heavy metal tolerance in crop plants: Physiological and biochemical aspects	Springer	253-267	2016
17.	Bisht, T.S., Panwar, A., Pandey, M., Chamoli, N., Aeron, A. and Pande, V.	Biofuel from Microalgae: Biohydrogen, Bioethanol, Biodiesel	Nova Publisher USA	Book ID 5599.	2015
18.	Pande ,V.	Study on Molecular Diversity of Ectomycorrhizal Genus <i>Lacterius</i> and <i>Sceleroderma</i> : An Important Component in Forest Management and Conservation	N/A	ISBN no 978-81-7910-436-1	2012
19.	Lohani, Y.C., Pandey, M., Pande, V.	Antimicrobial prospects of Basidiomycetes of central Himalayan region. Uttarakhand various dimensions,	Anamika publishers New Delhi	208-217	2011
20.	Pande, V., Gupta, B.	Molecular Diversity of ectomycorrhizal Fungi: An Important Component in Forest Management & Conservation	Natural Resource Conservation in Uttarakhand	ISBN no.817988 055-9	2009

c) Conference Publications/Proceedings (start from recent publications)

Authors Name	Title of the Paper	Conference Name	Year
1. Rawat, J., Pande, V.	Effect of different pH and KH <sub>2</sub> PO <sub>4</sub> concentrations on lipid accumulation in freshwater microalgae	2nd Biotechnology conclave (Haldi, Pantnagar, jointly organized by Uttarakhand council for biotechnology in collaboration with BCIL, Animal nutrition of India and Kumaun University Nainital.	2023
2. Rawat, J., Pande, V.	Fatty acid profiling of native freshwater microalgae from Kumaun region of Uttarakhand under abiotic factors	17th Uttarakhand State Science and Technology Congress (Dehradun)	2023
3. Anjum, S., Agnihotri, V., Rana, S., Pandey, A., Pande, V.	Comparative nutritional profile of Himalayan black soybean ( <i>Glycine max</i> ) and its by-product okara	WCECFAH	2022
4. Foko, LPK., Motse, FDK, Mawabo, LK, Pande, V, Singh, V.	Diagnosis Of Malaria In Cameroon: A Need For Addressing Non-Falciparum Malaria	15th International conference of Medical Arthropodology (SOMA,	2022
5. Bisht, A., Bhatt, I.D., Pande, V.	Approaches for developing propagation protocol of <i>Mahonia jaunsarensis</i> : an important endemic medicinal shrub of West-Himalayan	International conference on Applications of Nanotechnology in Biology, Biotechnology and Biopharmaceutics (ICNB3, Chennai)	2022
6. Mahale, P., Manish, M., Pande, V., Valecha, N., Anvikar, A.	Elucidation of molecular properties of the HRP II epitopes of <i>Plasmodium falciparum</i>	14th International Conference on Vector and Vector Borne Diseases (ICMR-NIMR, New Delhi)	2022
7. Pandey, P., Singh, B.N., Pande, V., Upreti, D.K.	Impact of endolichenic extracts against soil born fungal pathogen towards development of green nanoparticles	International conference on nanomaterials in biology (University of Rajasthan, Jaipur, Raasthan.)	2022
8. Singh, P., Pande, V., Dhiman, R.C.	14th SOMA International Conference of Medical Arthropodology via webinar	14th SOMA International Conference of Medical Arthropodology (virtual)	2021
9. Pandey, P., Singh, B.N., Pande, V., Upreti, D.K.	Potential antifungal activity of <i>Cladonia furcata</i> against <i>Fusarium oxysporum</i> a soil inhibiting fungus	National seminar on recent developments in science and technology (Bareilly)	2021
10. Kewlani, P., Bhatt, I.D., Pande, V.	Source-specific variability in fatty acids, phytochemicals, and antioxidant activity in <i>Prinsepia utilis</i> Royle	Assam Botany Congress and International Conference on Plant Science.	2021
11. Arya, A., Chaudhry, S., Pande, V., Singh, V.	Evaluating the disease severity in <i>Plasmodium vivax</i> clinical infections	TROPACON Chandigarh	2021
12. Chaudhry, S., Arya, A., Pande, V., Singh, V.	Genetic diversity of DBL1 $\alpha$ domain of var gene in severe and non-severe Indian field isolates of <i>Plasmodium falciparum</i>	TROPACON Chandigarh	2021

Authors Name	Title of the Paper	Conference Name	Year
13. Pant, M., Pande, V., Dandapat ,A.	Bacteria-derived luminescent carbon quantum dots for antibacterial activity	3rd International Conference on Global Initiative in Agriculture, Forestry and Allied Sciences for Food Security, Environmental Safety and Sustainable Development (GIAFAS-2021,Sri Guru Ram Ray University,Dehradun)	2021
14. Pant ,M., Kumar, S., Pande, V., Dandapat, A.	Synthesis of bacteria-derived carbon quantum dots and their antimicrobial activity against <i>Salmonella typhi</i> and <i>Bacillus subtilis</i>	2nd International e-Conference on Advances in Agriculture, Technology and Allied Sciences for Sustainable Development (aTsD-2021,GEHU-Dehradun)	2021
15. Foko, LPK, Hawadak J, Motse, FDK, Moukoko CEE, Pande, V, Singh ,V.	Non-falciparum species, asymptomatic and submicroscopic infections in Cameroon	ICMR & MERA-India poster competition,New Delhi	2021
16. Foko, LPK, Hawadak, J., Verma ,V, Moukoko, CEE, Kedi, PBE, Raghavendra ,K., Pande,, V., Singh V.	Green nanotechnology for malaria parasite and vector control: insight of the hemocompatibility and biocidal Potential of silver nanoparticles using <i>Alchornea cordifolia</i> (euphorbiaceae)	Annual Meeting of the American society of Tropical Medicine & Hygiene. (ASTMH. Maryland, USA.)	2021
17. Foko, LPK, Hawadak J, Motse, FDK, Moukoko, CEE, Pande, V, Singh, V.	Malaria diagnosis in Cameroon: There is also a need for addressing non-falciparum malaria!	Annual Meeting of the American Society for Tropical Medicine and Hygiene (ASTMH, Maryland, USA).	2021
18. Tiwari, D., Srivastava, J., Bhatt, I.D, Pande,V.	Protecting traditional medicinal knowledge through Intellectual Property Rights	National Seminar on Intellectual Property Rights: Need, Prospects, Awareness and Challenges in Herbal Medicine Sector, organized by Patanjali Research Foundation Trust,(Hardwar)	2021
19. Dasila, K, Pandey, A., Singh, M., Sharma, A, Samant ,S.S., Pande, V.	Plant growth promoting potential of culturable root-associated fungal endophytes from Himalayan Silver Birch	National Conference on "Biodiversity and Biotechnology of Fungi" organized by Mycological Society of India & Botanical Society, Punjabi University, (Patiala)	2021
20. Kar, S., Pande, V., Sinha ,A.	Do genetic polymorphisms and natural selection in PvDBP II safeguard P. vivax from host's immunity in India?	BioMalPar XVI (Biology and Pathology of the Malaria Parasite- Virtual Conference)	2020
21. Kewlani, P., Bhatt, ID., Pande, V.	Changes in Physico-chemical of <i>Pyraecanthia crenulata</i> during ripening	Indian Science congress, Bangalore	2020
22. Kumar S, Sharma S, Pande V, Anvikar AR	Magnetic Multiplex Loop Mediated Isothermal Amplification of Dengue	International Conference on Innovations in Biotechnology and Life Sciences (ICIBLS)	2020

Authors Name	Title of the Paper	Conference Name	Year
	and Chikungunya	2020,organised by Department of Biotechnology, Delhi Technological University)	
23. Kumar S, Sharma S, Pande, V., Anvika,A.R.	Development of advance lyophilized loop mediated isothermal amplification (L-LAMP) based point of care technique for the detection of dengue virus	Health Research Conclave, conducted as part of India International Science Festival 2020	2020
24. Kala ,K., Patiyal, R.S., Shahi ,N., Malik, S.K., Pande ,V.	Detection and biochemical identification of <i>Vibrio anguillarum</i> on captive reared Golden Mahseer, <i>Tor Putitora</i> (Hamilton, 1822) from uttarakhand India	14th UCOST(Dehradun)	2020
25. Lade, S., Pande, V., Yadav, H.K	RAPD and ITS-PCR based analysis of <i>Tinospora cordifolia</i> and its commercial medicinal formulations	Biospectrum 2020 International Conference on Biotechnology & Biological Sciences(Vertual conference)	2020
26. Singh, P., Kumarl, P., Pande, V., Dhiman, R.C.	XIII Annual Conference of Indian Society for malaria and other communicable diseases (ISMOCD)	(ISMOCD)Kochi, Kerala ,	2019
27. Bisht, A., Bahukhandi, A., Bhatt, I.D, Pande, V.	Bioactive content and antioxidant activity in <i>M. jaunsarensis</i> . An endemic species of Western Himalaya	American council for medicinally active plants	2019
28. Deora, N.,, Pande V., Sinha, A.	Developing tools to explore interactive biology and inter-species interactions in <i>Plasmodia</i> mixed infections: putting the first step forward	Molecular Approaches to Malaria Conference (MAM), (Lorne, Victoria, Australia)	2019
29. Deora, N., Pande, V., Sinha, A	Interspecies interaction in <i>Plasmodium</i> : opportunities and threats	30th Annual Molecular Parasitology Meeting, (Woods Hole, USA)	2019
30. Deora, N., Pande V, Sinha, A.	Pan-genomic identification of molecular correlates of antibiotic resistance in <i>E. coli</i> from children, animals & environment -a follow-up study in rural central India	3rd International Symposium on the Environmental Dimension of Antibiotic Resistance, (Wernigerode, Germany)	2015
31. Deora, N., Pande, V., Sinha, A.	Developing tools to exploring interactive biology of <i>Plasmodia</i> in mixed infections: putting the first step forward	30th National Congress of Parasitology & Global Summit on Malaria Elimination( New Delhi, India)	2019
32. Kumari, P., Gahtori ,R., Sinha, S., Pande, V., Valecha, N., Anvinkar, A.	Identification of circulating <i>Plasmodium vivax</i> circumsporozoite genotypes in asymptomatic malaria in eastern India	4th International Conference for Vector and Vector Borne Diseases (ICOV-14, jointly organised by ICMR- Regional Medical research Centre, Bhuvneswar and NAVBD)	2019
33. Kuldeep Joshi,	In-vitro production of	International conference on	2019

Authors Name	Title of the Paper	Conference Name	Year
Priyanka Adhikari, I. D. Bhatt, Ranbeer S. Rawal, Veena Pande	secondary metabolites and assessment of the antioxidant and antimicrobial activity in <i>Paeonia emodi</i> : an approach toward conservation and sustainable utilization	Conservation and sustainable use of high altitude medicinal and aromatic plants for the socio-economic development (Uttarakhand Ayurved University, Dehradun.)	
34. Mathpal, S., Sharma, P., Joshi, T., Bhatt, V., Pande, V., Chandra, S.	In silico identification of novel compounds from chalcone derivatives lung cancer by targeting EGFR protein	Five days National Conference on recent advancement in pharmaceutical sciences (Devasthali Vidyapeeth, Lalpur)	2019
35. Tushar Joshi., Tanuja Joshi, Priyanka Sharma, Veena Pande and Subhash Chandra	In silico screening of antibacterial lichen compounds against <i>Xanthomonas oryzae pv. Oryzae</i>	25th ISCB International Conference on Frontier research in chemistry & biology interface (Lucknow)	2019
36. Kumar, S., Sharma, S., Pande, V., Valecha, N., Anvikar, A.R.	Enzyme free signal amplification reaction as a 'Point of Care' (POC) technique for the detection of microbial DNA	14th International Conference for Vector and Vector Borne Diseases (ICOV-14, jointly organised by ICMR- Regional Medical research Centre, Bhuvneswar and NAVBD)	2019
37. Tushar Joshi, Tanuja Joshi, Priyanka Sharma, Veena Pande and Subhash Chandra	Discovery of Phytochemicals from <i>Ocimum Sp.</i> against bacterial leaf blight disease of rice using In-Silico techniques	National conference, (Pantnagar)	2019
38. Tushar Joshi, Tanuja Joshi, Priyanka Sharma, Veena Pande and Subhash Chandra	Targeting Peptide Deformylase against <i>Xanthomonas oryzae pv. Oryzae</i> using In Silico techniques	13th Uttarakhand State Science & Technology Congress (USSTC, Dehradun)	2019
39. Foko, LPK, Pande, V., Singh, V.	Prevalence of <i>Plasmodium falciparum</i> isolates with deletions in the histidine-rich protein 2 in sub-Saharan Africa and India: A systematic review and meta-analysis	First conclave of DBT-TWAS fellows: Achievement of capacity building in developing nations (Chennai)	2019
40. Anjum, S., Agnihotri, V., Pandey, A., Pande, V.	Shelf-life optimization of Tofu prepared using Himalayan black soybean	60th Annual Conference of Association of Microbiologists of India	2019
41. Pandey, A., Rajesh, M., Sarma, D., Tripathi, P.H., Akhtar, M.S., Pande, V., and Kamalam, B.S.	Molecular characterization of stress induced phosphoprotein (Omstip1) mRNA in rainbow trout, <i>Oncorhynchus mykiss</i>	National symposium on coldwater fisheries development in India: Innovative approaches and way forward for enhancing hill farmers income (DCFR, Bhimtal)	2019
42. Kar, S., Pande, V., Sinha, A.	Parasites from Delhi showed a higher PvDBP II diversity-implications for vaccine designing	30th National Congress of Parasitology & Global Summit on Malaria Elimination (NCP-GSME 2019, Jawaharlal Nehru	2019

Authors Name	Title of the Paper	Conference Name	Year
		University, New Delhi)	
43. Kar, S., Pande, V., Sinha, A.	Genetic diversity in Duffy Binding Protein (Pvdbp) gene of Plasmodium vivax Indian isolates: its role in vaccine design	International Conference on Plasmodium vivax Research 2019 (ICPvR 2019, Institut Pasteur, Paris, France)	2019
44. Pal, L.C., Pande, V., Rao, Ch. V.	Antioxidant activity of <i>Anogeissus acuminata</i>	ICPEP 2018, International Conference conducted by CSIR-NBRI, Lucknow	2018
45. Adhikari, P., Joshi, K., Singh, M., Pandey, A., Pande, V.	Impact of altitude on secondary metabolites, antioxidants and antimicrobial activities of <i>Taxus wallichianazucc.</i> - a threatened anti-cancerous plant of Indian Himalayan region	International conference on "Conservation and sustainable use of high altitude medicinal and aromatic plants for the socio-economics development" sponsored by National Medicinal Plants Board (FRI, Dehradun)	2019
46. Pande, V.	Ectomycorrhizal fungi: An important component of forest ecosystem and environment	LIMIT-2019, Climate, water and environment Int. Humboldt Conference, (ATI, Nainital)	2019
47. Ravindra, Pande, V., Pradhan, P.K.	Immune genes expression profiling in Indian major carp Catlacatla challenged with <i>Flavobacterium columnare</i>	Asian-Pacific Aquaculture 2019 Asian- Aquaculture for Health, Wealth and Happiness held at Chennai Trade Centre, Chennai,	2019
48. Pande, V.	Algal Fuel as an Alternative Source: A Sustainable Approach	2nd International Conference on ICEFN & SEM - 2019 (Nanoscience and Nanotechnology Centre, Department of Chemistry, DSB Campus, Kumaun University, Nainital)	2019
49. Rawat, J., Panwar, A., Pande, V.	Lipid accumulation in microalgae under different nitrogen concentrations, isolated from fresh water Lakes of Uttarakhand	2nd International Conference on ICEFN & SEM - 2019 (Nanoscience and Nanotechnology Centre, Department of Chemistry, DSB Campus, Kumaun University, Nainital)	2019
50. Pandey, A., Tripathi, P.H., Anwar, M.S., Pande, V.	Molecular characterization of Plant growth promoting rhizobacteria isolated from Kumaun Region of Uttarakhand and investigation of its effect on <i>Triticum aestivum</i>	2nd International Conference on ICEFN & SEM - 2019 (Nanoscience and Nanotechnology Centre, Department of Chemistry, DSB Campus, Kumaun University, Nainital)	2019
51. Pancholi, D., Pant, M., Pande, V., Dandapat, A.	Room temperature synthesis of highly crystalline bismuth oxyhalides nanostructures for waste water treatment	2nd International Conference on ICEFN & SEM - 2019 (Nanoscience and Nanotechnology Centre, Department of Chemistry, DSB Campus, Kumaun University, Nainital)	2019
52. Michael, O., Nailwal, T.K., Pande, V.	Phytoremediation process: physiological responses of	2nd International Conference on ICEFN & SEM -	2019



Authors Name	Title of the Paper	Conference Name	Year
	plants to heavy metal	2019(Nanoscience and Nanotechnology Centre, Department of Chemistry, DSB Campus, Kumaun University, Nainital)	
53. Kumar, A., Kumar, S., Pande, V., Dandapat, A.	Biosynthesis of nobelmetal nanoparticles from <i>Citrus pseudolimon</i> and their antibacterial studies	2nd International Conference on ICEFN & SEM-2019 (Nanoscience and Nanotechnology Centre, Department of Chemistry, DSB Campus, Kumaun University, Nainital)	2019
54. Mahale, P., Manish, M., Pande, V., Valecha N, Anvikar, A.	Elucidation of molecular properties of the HRP-2 epitopes of <i>Plasmodium falciparum</i>	14th International conference on Vectors and Vector Borne Diseases(ICOV-14, Bhubaneshwar ,Orissa)	2019
55. Kumari, S., Ahmed, M.Z, Pande, V., Valecha, N., Anvikar ,A.	Prevalence of Pfhrp2/Pfhrp3 gene deletion in PFHRP2-RDT positive samples	14th International Conference on Vectors and Vector Borne Diseases (ICOV-14, Bhubaneshwar ,Orissa),	2019
56. Kumari ,S., Ahmed ,M.Z., Pande, V., Valecha, N., Anvikar, A.R.	Incidence of Pfhrp2 & Pfhrp3 gene deletion in central India	International Symposium on Malaria Biology and 29th National Congress of Parasitology on Basic and Applied Aspects (ISMBNCP-2018,Hyderabad)	2018
57. Kumar, S., Sharma, S., Pande ,V., Valecha, N, Anvikar, A.R.	Lyophilized loop mediated isothermal amplification technique (L-LAMP) as point of care technique for detection of malaria parasite	International Symposium on Malaria Biology and 29th National Congress of Parasitology on Basic and Applied Aspects((ISMBNCP-2018, Hyderabad)	2018
58. Kumari, P., Sinha, S., Gahtori ,R., Pande, V., Valecha ,N., Anvinkar, A.R.	Multiclonal <i>Plasmodium falciparum</i> in asymptomatic malaria in eastern India	International Symposium On Malaria Biology and 29th National Congress of Parasitology on Basic and Applied Aspects((ISMBNCP-2018, Hyderabad)	2018
59. Lade ,S., Yadav, H.,K, Pande ,V.	SSR marker based genetic diversity analysis in <i>Tinospora cordifolia</i>	Sixth International Conference on Plants & Environmental Pollution (ICPEP-6,Lucknow)	2018
60. Faridi ,N., Merwyn, P. Raj, Bhatt, S., Agarwal, A., Pande, V., Bala, M.	Studies on the Culturability of <i>Ralstonia pseudosolanacearum</i> Maintained in Water	ICMR ,Pune	2018
61. Faridi, N., Merwyn, P. Raj, Bhatt, S, Mishra, S.P., Agarwal, A., Pande, V., Bala, M.	Evaluation of prh gene for detecting VBNC forms of <i>Ralstonia pseudosolanacearum</i>	IMRF, GOA	2018
62. Faridi, N., Merwyn, P. Raj, Bhatt, S., Pathak, D., Agarwal, A.,	Specificity of PCR primers targeting housekeeping genes for detecting VBNC forms of <i>Ralstonia pseudo</i>	NRCSS, AJMER	2018

Authors Name	Title of the Paper	Conference Name	Year
Pande, V., Bala, M.	<i>solanacearum</i>		
63. CRawat ,J., Panwar, A., Patel, D., Pande, V.	Molecular characterization of <i>Cynobacterium</i> with their antioxidant activity under nitrogen stress from Bhimtal lake	12th Uttarakhand State Science and Technology Congress,Dehradun	2018
64. Rawat, J., Panwar, A., Sudarshan, Pande, V.	Isolation of Microalgal strains for biodiesel production from Bhimtal Lake of Uttarakhand	International Conference on Advancement in Technologies & its applications in Current Era	2018
65. Pandey, A., Anwar, M.S., Pande, V.	Chick pea plant growth analysis with concern of plant growth promoting Rhizobacteria and their consortia	12th Uttarakhand State Science and Technology Congress,Dehradun	2018
66. Sharma ,P., Singh, M., Pandey, V., Singh, S., Rani ,M., Pande, V., Kumar, A.	Proteomics and bioinformatics approaches for characterization of a 28kda unique determinant as small heat shock protein (SHSP) of teliospore wall of <i>Tilletia indica</i>	12th Uttarakhand State Science and Technology Congress,Dehradun	2018
67. Joshi, T., Pandey, S., Joshi, T., Samant, M., Pande, V., Chandra, S.	In silico screening of anti-leishmanial compounds from <i>Ocimum gratissimum</i> and <i>Ocimum kilimandascharicum</i>	12th Uttarakhand State Science and Technology Congress,Dehradun	2018
68. Srivastava, D., Verma, G., Pande, V., Chakrabarty, D.	National symposium on plant biotechnology. Exploring the genome wide regulatory networks of arabidopsis plants over-expressing osgstu showing differential tolerance to abiotic stresses	Recent trends in plant propagation, genetic improvement & industrial applications( Arid Forest Research Institute, Jodhpur)	2018
69. Faridi, N., Merwyn ,P. Raj, Bhatt, S., Pathak, D., Agarwal, A., Pande, V., Bala, M.	Evaluation of Primers for detecting VBNC Forms of <i>Ralstonia solanacearum</i>	Lucknow	2017
70. Bharti, R.S., Mishra, N., Srivastav, B., Phookan ,S., Pande, V., Kaitholia, K., Rana, R., Bhatnagar S., Tiwari, A., Anvikar, A.R., Valecha, N.	Molecular characterization of G6PD deficiency in Malaria-endemic north-eastern region of India	Joint International Tropical Medicine meeting (JITMM-2017,	2017
71. Kar, S., Sinha, A., Das, A., Nanda, N., Pande, V.	DNA sequencing and evolutionary inferences of the Duffy Binding Protein (Pvdbp) gene in Indian field isolates of <i>Plasmodium vivax</i>	International conference on vaccine research and development( ICGEB,New Delhi)	2017
72. Ravindra, Pradhan ,P.K., Pande ,V.,	Innate immune response of Indian major carp,	58th International Annual Conference of Association of	2017

Authors Name	Title of the Paper	Conference Name	Year
Yadav, M.K., Verma ,D.K., Sood ,N.	Catlacatla following experimental infection with <i>Flavobacterium columnare</i>	Microbiologists of India (AMI,BBAU,Lucknow)	
73. Dash, M., Das, A., Pande, V., Sinha, A.	Computational and molecular evolutionary analysis of putative CSP (puCSP) as a potential target for <i>Plasmodium vivax</i> malaria in India	Malaria Parasite Biology: Strategies for Drug and Vaccine Development, (ICGEB,New Delhi)	2017
74. Pande, V., Bisht, T.S.	Addressing the challenges of CO2 kidnapping couple with biofuel production through microalgae	National conference on Impact of global warming on environment, biodiversity and ecotourism (organized by environment and social welfare society ESW Khajurao, M.P)	2017
75. Kumar, A., Dubey,A.K., Meenakshi,Pande, V., Sanyal, I.	Abiotic stress in plants: The role of Glutaredoxins	FBMI 2017, International conference conducted by Lucknow University	2017
76. Srivastava, D., Verma ,G., Pande, V., Chakrabarty, D.	Functional characterization of rice glutathione S- transeferase with glutathione-peroxide activity	International conference on functional biology & molecular interaction	2017
77. Kapoor, N., Pande, V.	Impact of salinity on different valuable crops: Physiological, biochemical and molecular characterization	International Conference on Advances in Agricultural & Biodiversity Conservation for Sustainable Development (ABCD 2017,CCS University,Meerut)	2017
78. Kapoor, N., Gupta, N., Siddiqui, M.A., Amir, A., Kumar, H., Pande, V.	Impact of salinity on different valuable crops: Physiological, biochemical and molecular characterization	International Conference on Innovative approaches in applied sciences & technologies (iCiAst-2017, National University of Singapore	2017
79. Chauhan, R., Awasthi, S., Pande, V., Tripathi, R.D.	Supplementation of selenium along with microalgae alleviates arsenic toxicity in rice ( <i>Oryza sativa</i> L.)	58th Annual Conference of Association of Microbiologist of India (AMI- 2017,BBAU,Lucknow)	2017
80. Verma, A., Shukla, S., Sharma, A., Upreti, D.K., Pande, V., Pal, M.	Evaluation of bioactive fatty acid of <i>Berberis asiatica</i>	International conference on "Medicinal plants: Resources for affordable new generation healthcare" (CSIR-Central institute of medicinal and aromatic plants, Luckhnow),	2017
81. Tiwari, A, De, A, Pande, V, Sinha, A.	Association between Malaria & Hypertension via RAS	Malaria Parasite Biology: Strategies for Drug and Vaccine Development workshop(ICGEB,New Delhi)	2017
82. Pandey, A., Sharma, D., Pande, V.	Investigation of medicinal plants as immuno stimulants for health management in fish diseases	National Conference on "Strategies, innovations and sustainable management for enhancing coldwater fisheries and aquaculture"(ICAR- DCFR,Bhimtal)	2017

<b>Authors Name</b>	<b>Title of the Paper</b>	<b>Conference Name</b>	<b>Year</b>
83. Tiwari, A., Rana R, Pande V, Mishra N	RNA Extraction from dried blood spots under various storage conditions	Scientific advisory committee of National Institute of Malaria Research, New Delhi	2016
84. Singh ,A.K, Naskar, S., Saikia, B., Vashi, Y., Gupta, S., Tamuli, M.K., Gokuldas, P.P., Chakravarty, P., Banik, S., Pande, V., Sarmah, B.C., Dhara, S.K	Influence of testicular lysate on in-vitro embryonic development in porcine	International Conference on Reproductive Health with Emphasis on Occupational, Environmental and Lifestyle Factors (ICMR, DHR-MoHFW, Govt. of India, Ahmedabad)	2016
85. Singh, A.K., Naskar, S., Saikia, B., Vashi, Y., Gupta, S., Tamuli, M.K., Gokuldas, P.P., Chakravarty, P., Banik S, Pande, V., Sarmah, B.C, Dhara, S.K.	Effect of Testicular Lysate on in-vitro Embryonic Development in Porcine	XXIV Annual Conference of Society of Animal Physiologist of India (SAPI) (Assam Agriculture University, Guwahati)	2016
86. Kapoor ,N., Pande, V.	Impact of salinity on fenugreek: Physiological and biochemical characterization	International Conference on Global agriculture and innovation conference (GAIC-2016) organized by Hi-Tech horticulture society, Meerut at NIU( Greater Noida)	2016
87. Kapoor, N., Gupta, N., Pande, V.	Physiological and biochemical characterization of salinity tolerance in fenugreek ( <i>Trigonella foenum-graecum L.</i> )	National conference on Natural resources management for sustainable agriculture organized by Agricultural Technology Development Society at Janta Vedic College Baraut, (Baghpat)	2016
88. Kapoor, N., Pande, V.	Mechanism of salinity tolerance in fenugreek ( <i>Trigonella foenum-graecum L.</i> ): Physiological, biochemical and molecular characterization	International conference on Global initiatives in applied sciences & green technologies organized by SERS, SARC society and SRM University( Modinagar)	2016
89. Kapoor, N, Pande, V.	Elucidation of various physio-biochemical mechanisms in fenugreek ( <i>Trigonella foenum-graecum L.</i> ) under salt stress	National conference on biotechnological perspective in healthcare	2016
90. Chauhan R, Awasthi S, Pande, V., Tripathi RD	Selenium mediated removal of arsenic toxicity by reducing oxidative stress and enhanced antioxidants, thiols and nutrient elements in rice ( <i>Oryza sativa L.</i> )	National Conference on "Managing Soil Resource for Environmental Sustainability: Challenges & Perspectives" (MSRES-2016, BHU, Varanasi)	2016
91. Chauhan R, Awasthi	Selenium recovers	57th Annual Conference of	2016

Authors Name	Title of the Paper	Conference Name	Year
S, Pande V, Tripathi RD	anatomical deformities and nutrient elements by mitigating arsenic toxicity in rice plant ( <i>Oryza sativa</i> L.)	Association of Microbiologist of India (AMI-2016 ,Guwahati University,Guwahati)	
92. Chauhan,R.Awasthi,S, , Pande ,V., Tripathi ,R.D.	Selenite supplementation in arsenic exposed rice enhanced phenolics and remodulates the level of nutrient elements to alleviate the arsenite toxicity	National Conference on Environmental Challenges, Human Health and Society(Jaipur,Rajasthan University)	2016
93. Pande, V., Bisht, T.	Impact of Different Nitrogen Sources on Biomass Growth and Lipid Productivity of <i>Chlorella</i> sp. for biodiesel production	International conference on "Energy, Functional Materials and Nanotechnology" (ICEFN-2016,DSB Campus Kumaun University,Nainital)	2016
94. Pande, V.	Prospects of skill development in Agriculture and Rural development	18th Indian Agricultural Scientists and farmer's congress(Allahabad)	2016
95. Bisht ,T.S., Panwar, A, Pandey, M., Pande, V.	Persuade of nitrogen on biomass growth and lipid productivity of <i>Scenedesmus</i> sp. for biodiesel production	10th Uttarakhand State Science & Technology Congress(Dehradun)	2016
96. Pande,V.	Agri-Inovation for Enhancing Production & Rural Employment	17 <sup>th</sup> Indian Agricultural Scientists and farmer's congress,(Allahabad)	2015
97. Pande ,V., Panwar, A.	In-vitro Antioxidant and Antimicrobial potential of Mushrooms from Central Himalayan region of Uttarakhand	National Conference on "Microbes in extreme environment: Diversity and Translational Applications" (HNBGU, Srinagar).	2015
98. Pande, V., Panwar, A.	Molecular characterization and Genetic Diversity analysis of Ectomycorrhizal fungi associated with <i>Quercus leucotrichophora</i> (Oak)	8th ISS(Lisbon ,Portugal)	2015
99. Kapoor, N., Pande, V.	Effect of salinity on germination physiology of fenugreek ( <i>Trigonella foenum-graecum</i> L.)	5th International Conference on Climate change & sustainable management of natural resources, (TIMS-15, Gwalior)	2015
100. Ahlawat, S., Singh, K.P., Pande, V.	Mesothelin detection by means of Electrochemical nano immunosensor	3rd International Conference on Nanostructured Materials and nanocomposites (ICNM 2015,Mathura)	2015
101. Verma, A., Pa,I M., Prakash, A., Pande, V., Upreti ,D.K.	Antihyperglycemic and free radicals scavenging activity of <i>Hemidesmus indicus</i>	National Conference on "innovative methods in chemistry education (IMCE-2015) & National convention of chemistry teachers (NCCT-2015)(Lucknow University)	2015
102. Pande,V.	Significance of Ectomycorrhizal fungi in sustainable forest development	First International congress on "Ecological Integrity and Environmental Ethics: Living for a sustainable	2014

Authors Name	Title of the Paper	Conference Name	Year
		Future(G.B.Pant University,Pantnagar)	
103. Bharti, R.S., Mallick ,P.K., Ahmed, N., Pande ,V., Valecha, N., Mishra ,N.	Screening for G6PD deficiency in Malaria-endemic north-eastern region of India	Xth Joint Annual Conference of ISMOCD & IAE(GOA)	2014
104. Bhatt ,R., Panwar, A., Bisht, T.S., Pande, V.	In vitro studies on antioxidant and antimicrobial potential of <i>Cinnamomum tamala</i> (vern. Tejpatta)	Afro-Asian congress on Microbes for Human & Environmental Health (Micro-Biotech 2014)(Amity University ,Noida)	2014
105. Pande,V.	Prospects of Forest Management with Ectomycorrhizal Fungi	National Conference On Sustainable Development of Natural Resources and Wildlife Conservation, organized by Environment and Social Welfare Society, (Khajuraho.)	2014
106. Kapoor, N., Pande ,V.	Comparative study of different varieties of fenugreek ( <i>Trigonella foenum-graecum L.</i> ) under salt stress	International Conference on Life science & Bioengineering (ICLSBE-2014) (IAMR, Ghaziabad)	2014
107. Pande, V.	Role of Ectomycorrhizae in Forest Management	BIT's 4th Annual World Congress of Microbes-2014 (Dalian World ExpoCentre, China, 27- 29 June, 2014.)	2014
108. Goel A, Bhanja SK, Mandal AB, Mehra M, Majumdar S, Pande V	In ovo vitamin and trace element supplementation for nurturing late term embryo and post hatch broiler chickens	XXX Conference and National Symposium of Indian Poultry Science Association	2013
109. Kumar ,V., Mathela, C..S, Tewari, G., Panwar, A., Pande, V.	Phytochemical, in vitro antimicrobial and antioxidant activity evaluation of essential oil from <i>Erigeron annus (L.)</i>	1st International conference on New Horizons in Pharmaceutical and Biomedical Sciences	2013
110. Ojha ,S.N., Negi, K.S, Rana, J.C., Mehta ,P.S., Tiwari, L.M., Pande, V., Panwar, A., Rawat, A.K.S.	Variation in essential oil composition and anti-microbial activity of Indian Oregano ( <i>Origanum vulgare L.</i> ) population from Indian Himalayan Region (IHR)	National Conference on Innovations in Ethnopharmacology, Recent Developments in Biological and Chemical Sciences for Societal Benefits (LSM PG College, Pithoragarh.)	2013
111. Pande, V.,	Effect of Elicitation on	International Conference on	2013

	<b>Authors Name</b>	<b>Title of the Paper</b>	<b>Conference Name</b>	<b>Year</b>
	Sharma, N.K, Pandey, M.	Antioxidant Machinery of WithaniaSomnifera	Health, Environment & Industrial Biotechnology (Biosangam -2013)(MNIT- Allahabad)	
112.	Goel, A., Bhanja, S.K., Mehra, M., Pande, V.	In ovo supplementation of selenium or iron enhanced the expression of immune related genes in broiler chickens	19th European Symposia on poultry Nutrition - ESPN (Germany)	2013
113.	Singh, U., Shukla, M., Singh, P., Vishwakarma S.P., Pande, V., Kakkar, P., Singh, R.L.	Antioxidant and DNA protection activities of Brassica oleracea var. botrytis leaf	SFRR Star Lucknow International conference Advances in Free Radicals, Redox Signaling and Translational Antioxidant Research (SFRR-STAR 2013)(Lucknow)	2013
114.	Kapoor, N., Pande ,V.	Evaluation of Different solvents on in vitro antibacterial potential of some medicinal plants	National seminar on Mountain fisheries: Challenges and Opportunity for livelihood Security	2012
115.	Bisht, T.S., Pathak ,V.M., Panwar, A., Pande ,V, Pandey, M.	Isolation, Biochemical & Molecular characterization of <i>Pseudomonas</i> spp. From garbage soil and their effectiveness for polythene degradation	7th Uttarakhand State Science & Technology Congress(Dehradun)	2012
116.	Bisht ,J., Harsh, N.S.K., Paln,i L.M.S., Pande, V.	In vitro Comparison of White Rot Fungi for Tolerance to Pesticides	7th Uttarakhand State Science & Technology Congress(Dehradun)	2012
117.	Jain, N., Pande, V.	Diversity Analysis of Ectomycorrhizal Genus <i>Russula</i> Using RAPD Markers	7th Uttarakhand State Science & Technology Congress(Dehradun)	2012
118.	Jugran, A., Bhatt I.D., Rawal, R.S, Nandi, S.K, Pande, V.	Insects in <i>V. jantamasi</i>	7th Uttarakhand State Science & Technology Congress(Dehradun)	2012
119.	Jugran, A., Bhatt ,I.D., Rawal, R.S., Nandi, S.K., Pande,V.	Impact of Habitat Type and Altitudinal Range on Morphological and Genetic Diversity of <i>Valeriana</i> <i>jatamansi</i> in Western Himalayan, India	World Congress on in vitro biology	2012
120.	Pande, V.	Biotechnology for Women Empowerment	National Seminar on "Status and role of women in Uttarakhand"	2012
121.	Pande, V., Lohani ,Y.C.	Genetic Diversity of <i>Russula</i> species of Central Himalayan Region of Uttarakhand Based on RFLP	7th International Conference on Mycorrhiza ICOM-7 (Organized by TERI at India Habitat Centre New Delhi, India.)	2012
122.	Pande, V., Lohani, Y.C.	Role of ectomycorrhizae on the competitive outcome of major forest species of Central Himalayan region of India	7th ISS( Krakow, Poland)	2012

Authors Name	Title of the Paper	Conference Name	Year
123. Jain, N., Malik, R., Verma, R.P.S., Kumar, R., Pande, V., Sharm, I.	Inheritance of leaf blight resistance in Indian barley	International Conference (PAU)	2012
124. Goel, A., Bhanja, S.K., Mehra, M., Pande, V.	Does in ovo administration of zinc or iodine modulate differential expression of growth and immune related genes in broiler chickens	XXIV World Poultry Congress(Brazil)	2012
125. Goel ,A., Bhanja S.K., Pande, V., Mehra, M., Majumdar, S.	Modulation of post-hatch growth and immunity in in ovo vitamins administered chickens	XXIX Annual Conference and National Symposium of Indian Poultry Science Association - IPSACON 2012	2012
126. Pande, V., Midha, S., Sharma, N.K., Usha, T., Bhattacharjae, B., Pandey, M, Nagaveni ,M.B.	Screening of Natural Inhibitors of Neuraminidase Type 1 In H1n1 for Treatment of Swine Flu- An Insilico Approach	Asia Pacific Bioinformatics Conference (APBC2012) Melbourne Australia.	2012
127. Pande, V., Lohani, Y.	Antimicrobial & antioxidant prospects of Ectomycorrhizae of Central Himalayan region	99th Indian Science Congress( KIIT ,Bhuvneshwar)	2012
128. Giri ,L., Dhyani ,P., Bhatt, I.D., Rawal, R.S., Nandi ,S.K, Pande, V.	Effect of plant growth regulators and elicitor on secondary metabolite in cell culture of <i>Habenariaedge worthii</i>	6th Uttarakhand State Science & Technology Congress(Almora)	2011
129. Rawat, S., Bhatt ,I.D., Rawal, R.S, Nandi, S.K, Pande, V.	Location specific variation in phenolic content and antioxidant properties in <i>Roscoe aprocera</i> from Uttarakhand, West Himalaya	6th Uttarakhand State Science & Technology Congress( Almora)	2011
130. Jugran, A., Bhatt, .I.D., Rawal, R.S., Nandi ,S.K., Pande, V.	Assessment of morphological and genetic diversity in <i>Valeriana jatamansi</i> jones in west Himalayan	6th Uttarakhand State Science & Technology Congress,(Almora)	2011
131. Giri, L., Rawat, S., Nandi, S.K., Pande ,V., Bhatt, I.D., Rawal ,R.S.	Variation in total phenolic Content and antioxidant potential of <i>Habenariaedge worthii</i> and <i>H. intermedia</i>	National Conference on Medicinal Orchids: Sustainable Use and Benefit Sharing for Rural and Tribal Communities (Punjab University, Chandigarh, India.)	2011
132. Pande, V., Singh, R.K., Anandhan, S., Ahmed, Z.	In vitro conservation of <i>Cicer microphyllum</i> , a high altitude cold arid flora of western and Trans Himalayan regions	International Conference on Issues for climate change, land use diversification and biotechnological tools for livelihood security (S.V.P.U.A&T, Meerut).	2011



	<b>Authors Name</b>	<b>Title of the Paper</b>	<b>Conference Name</b>	<b>Year</b>
133.	Lohani ,Y., Pande, V.	Antimicrobial prospects of basidiomycetes of Central Himalayan region	National seminar on recent advances in fungal biotechnology(FRI,Dehradun)	2011
134.	Pande ,V., Middha ,S.K., Usha, T., Sharma, N.K., Nagaveni, M.B, Bhattacharjee, B.	Identification of Natural Inhibitors of 5-a Reductase type 2 for prostate cancer	Indo-US Workshop on Biocomputing (ISB2011)(NITCalicut, Kerela.)	2011
135.	Pande ,V., Pande,M.	Molecular Diversity of ectomycorrhizal fungi of Central Himalaya of India: An Important Component of Forest Ecosystem	Indian-German Workshop on Initiation and Intensification of Bilateral Cooperation.(Amity Institute of Microbial Technology, Noida.)	2011
136.	Giri, L., Bhatt, I.D., Nandi, S.K., Pande, V.	Asymbiotic in vitro seed germination of <i>Habenaria intermedia</i> to face the challenges of change and demand	International Workshop on Mountain Biodiversity and Impacts of Climate Change (G.B.PantInstitute of Himalayan Environment and Developments, Kosi-Katarmal, Almora).	2010
137.	Jugran, A., Bhatt, I.D., Rawal, R.S., Nandi ,S.K., Pande, V.	Morphological and molecular analysis of <i>V. jatamasi</i> among different habitat conditions and altitudes of the west Himalaya	International Workshop on Mountain Biodiversity and Impacts of Climate Change (G.B.PantInstitute of Himalayan Environment and Developments, Kosi-Katarmal, Almora).	2010
138.	Rawat, S., Bhatt, .I.D., Rawal, R.S., Nandi, S.K., Pande, V.	The influence of microclimate and altitude on phenolic content and antioxidant activity in <i>Hedychium spicatum</i>	International Workshop on Mountain Biodiversity and Impacts of Climate Change(G.B.PantInstitute of Himalayan Environment and Developments, Kosi-Katarmal, Almora).	2010
139.	Lohani, Y., Pande, V., Rautela, P., Singh, R.	Antimicrobial activities of some ectomycorrhizal fungi of central Himalayan region	5th Uttarakhand State Science and Technology Congress (Doon University,Dehradun	2010
140.	Jain ,N., Pande, V.	Antibacterial activity of ectomycorrhizal species: <i>Russula Delica</i> and <i>Scleroderma areolatum</i>	5th Uttarakhand State science and technology congress (Doon University,Dehradun)	2010
141.	Singh, C., Pande, C., Tewar,i G., Singh, S., Pande, V.	Antimicrobial activity and essential oil composition of aerial parts of <i>CyclospERMUMleptophyllum</i> (Pers.) sprague ex. britton&	5th Uttarakhand State science and technology congress (Doon University,Dehradun)	2010

Authors Name		Title of the Paper	Conference Name	Year
		P. Wilsons		
142.	Pande, V, Nailwal ,T.K., Rana, M.	A proposal for assessment and measurement of carbon footprint of Kumaun University Bhimtal campus, Bhimtal in relation to climate change	International conference on Cooling the Earth-Tactics for restoring climate order and saving the living planet(G.B.Pant University,Pantnagar)	2010
143.	Pande, V., Pandey, M.	Impact of Biotechnology on social and environmental development	National Seminar on Environment, Development and Society(ASC,Nainital)	2010
144.	Singh, R.K., Aslam, M., Anandhan, S., Pande, V., Ahmed, Z.	Metallothionein like gene from <i>Cicer microphyllum</i> is regulated by low temperature stress	5th World Congress of Cellular and Molecular Biology (Devi Ahilya Vishwavidyalaya, Indore, India.)	2009
145.	Anandhan S, Aslam M, Singh RK, Pande V, Ahmed Z	Molecular cloning of cold induced Inositol 1,4,5-trisphosphate kinase a key component for Ca <sup>2+</sup> signal transduction	National Seminar on Frontiers in Biotechnology (Bharathiar University, Coimbatore, Tamilnadu, India.)	2009
146.	Negi, N., Nandan, A., Thangraj, K., Singh, L., Pande ,V.	Genetic variations in Tribal and Caste population of Kumaun	ISHG-2009 (International Symposium "Ethics, culture and population genomics "and 34 <sup>th</sup> annual Conference of the Indian Society of Human Genetics), organized by Anthropological Survey of India at IGNC, New Delhi.	2009
147.	Aslam, M., Singh, R.K., Anandhan, S., Pande, V., Ahmed, Z.	Cloning and in silico analysis of cold induced NAC transcription factor of <i>Lepidium latifolium</i>	International Conference on Current trends in Biotechnology & Implications in Agriculture(SVPUA,Meerut)	2009
148.	Singh, R.K., Aslam, M., Anandhan, S., Pande, V., Ahmed, Z.	Isolation of low temperature stress regulated genes from <i>Cicer microphyllum</i> by suppression subtraction hybridization	International Conference on Grain Legumes: Quality Improvement Value Addition and Trade(IIPR,Kanpur)	2009
149.	Popli, P., Pandey, M, Pandey, J.K., Pande, V.	A study on molecular diversity of Ectomycorrhizal genus <i>Cortinarius</i> , <i>Boletus</i> , <i>Inocybe</i> and <i>Xerocomus</i> of Kumaun region using RAPD markers	49th annual conference on Microbial Biotechnology: Diversity, Genomics and Metagenomics(University of Delhi)	2008
150.	Agarwal, V., Gupta, B., Jain, N., Pande, V.	Standardization of MN Media for various Ectomycorrhizal Species of Himalayan Region	49th Annual conference on Microbial Biotechnology: Diversity, Genomics and Metagenomics (University of Delhi)	2008
151.	Shukla, A.K., Pande, V.	Comparison of different DNA Extraction protocols for Ectomycorrhizal genus	3rd Uttarakhand State Science and Technology Congress(IIT,Roorkee)	2008

Authors Name		Title of the Paper	Conference Name	Year
		<i>Russula</i>		
152.	Lohani Y.C., Pande, V.	Current Investigations on Ectomycorrhizal Fungal Communities in the Forests of Kumaun Region	3rd Uttarakhand State Science and Technology Congress(IIT,Roorkee)	2008
153.	Gupta, N., Rathore, M., Goyary, D., Pande, V., Ahmed, Z.	Enhancing Cold-Tolerance in Cucumber Cv. Poinsett by co-transformation using CBF1 Gene	3rd International Congress on bioprocess in food industries(Osmania University,Hyderabad)	2008
154.	Pande, V., Gupta ,S.	A Preliminary Study on Molecular Diversity of Ectomycorrhizal Fungi of Kumaun Region using RAPD Markers	International Conference on Molecular Biology & Biotechnology(Banasthali University,Raj.)	2008
155.	Pande, V., Gupta ,B.	Molecular Diversity of Ectomycorrhizal Fungi: An Important Component in Forest Management & Conservation	National Seminar on Natural Resource Conservation in Uttarakhand: Status, Challenges and Solutions(ASC,Nainital)	2008
156.	Pande, V.	Biotechnology and global warming	International Development Organization Global warming conference(London ,UK)	2007
157.	Pande, V.	Biotechnology in preventing global warming	International Conference on "Asian monsoon variability during the past global changes"(Nainital)	2007
158.	Pande, V., Pal, P., Saxena, R.	Biochemical and molecular studies on rice varieties of Kumaun region of India	International Seminar on Conventional and Biotechnological approaches for sustainable development in Sub-Himalayan region(IVRI,Mukteshwar)	2007
159.	Pande ,V., Palni, U.T., Singh, S.P., Negi, N.	Diversity of ectomycorrhizae associated with oaks of Central Himalaya	International Seminar on Conventional and Biotechnological approaches for sustainable development in Sub-Himalayan region(IVRI,Mukteshwar)	2007
160.	Pal, P., Saxena, R., Pande, V.	Biochemical Analysis and Molecular Characterization of Rice Varieties Found in Kumaun Region of Uttaranchal	75th annual meeting of the Society of Biological Chemists, India(JNU,New Delhi)	2006
161.	Pande, V., Palni, ,UT, Singh ,S.P.	Ectomycorrhizal influences on selected tree species from Central Himalayan Region of India	5th ISS (International Symbiosis Society) Congress(Vienna,Austriya)	2006
162.	Pande, V., Palni ,U.T., Singh, S.P.	Ectomycorrhizal Fungi of Central Himalaya: A prospect for biofertilizers	93rd Indian Science Congress(Hyderabad)	2006
163.	Tripathi, R., Dewedi, M., Kumar, K., Pande, V.	Biochemical analysis for nutrient variation and molecular Characterization of land races of rice ( <i>Oryza sativa</i> ) in Kumaon Region of Uttaranchal	International Conference on Biotechnology approaches for alleviating malnutrition and human health(GKVK,Banglore)	2006
164.	Yadav, A.K., Babu, V., Pande, V.	Fluorescence studies of DNA and biological probe	National Symposium on Recent Trends in	2005

Authors Name	Title of the Paper	Conference Name	Year
	in polymer and gels	Fluorescence Spectroscopy and its applications( Department of Physics, Kumaun University, Nainital)	
165. Pande ,R., Pande, V.	Biochemical Studies of Ectomycorrhizal genus <i>Agaricus</i> Associated with Oaks of Central Himalaya	73rd annual meeting of the Society of Biological Chemists, India,(G.B.Pant University,Pantnagar)	2004
166. Mandoli, A., Chaudhri V.K., Pande, V.	A Preliminary Study on Genomic DNA and its Diversity by using RAPD-PCR in Endangered Fish Mahseer ( <i>Tor Sp.</i> )	National Workshop on Integrated Aqua farming for Rural Development,(G.B.Pant University,Pantnagar)	2004

### Projects (add row if required)

Title of the project	Funding agency	Amount (Rs)	Year
Genome Diversity in the Tribal population of Kumaon Region in collaboration with Dr. Lalji Singh, Director, CCMB, Hyderabad	CSIR, New Delhi	16.92 Lakhs	2005-2008
Effects of ectomycorrhizal fungal diversity and composition on growth of <i>Quercus leucotrichophora</i> and <i>Pinus roxburghii</i> seedlings, the principal forest species of Uttarakhand.	UCOST, Govt. of Uttarakhand	10.0 Lakhs	2007-2010
Development of improvised ectomycorrhizal biofertilizers for the better growth and development of biofuel yielding higher plants of Uttarakhand	DIBER, Haldwani	9.85 Lakhs	2010-2011
Genome Diversity in the Cast population of Kumaon Region in collaboration with Dr. Lalji Singh, Director, CCMB, Hyderabad	CSIR, New Delhi	20.0 lakh	2010-2013
Genetic Diversity of ectomycorrhizal fungi associated with <i>Quercus leucotrichophora</i> forest of Kumaun Region of Uttarakhand	UCOST, Govt. of Uttarakhand	2.13 Lakhs	2013-2015
Principal Investigator of the project entitled "Molecular Characterization acid profiling of promising microalgae species for biodiesel production from freshwater lake, Nainital, Uttarakhand."	UCB, Govt. of Uttarakhand	9.95 Lakhs	2016-2019
Co-PI of the project entitled "A Sustainable approach for cleanup of metal polluted soils using basils species with respect to their genetic diversity.	G.B.Pant National Institute of Himalayan Environment and Sustainable Development	7.96 Lakhs	2017-2020
PI of the project "Isolation and Characterization of Rhizospheric Soil Bacteria and their role in mitigating Salt Stress"	UCOST, Govt of Uttarakhand	3.00 Lakhs	2024-2026

PI of the Project "Isolation of freshwater microalgae for estimation of lipids and high value added compounds"	Kumaun university ,Nainital	2.00 lakhs	2024
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### Teaching details

Name of the course/paper	Department	University	Year
General Biochemistry	M.sc. Biotechnology/Microbiology Programme, Department of Biotechnology	Kumaun University, Nainital	Teaching all these courses since inception of the programme in different semesters as per course curriculam
Analytical Techniques	-Do-	-Do-	
Immunology and immunotechnology	-Do-	-Do-	
Environmental Biotechnology			
Microbiological Techniques	M.sc Microbiology programme, Department of Biotechnology		
Biology of Plants	B.sc-Msc V years integrated Programme, Department of biotechnology		

### Professional Memberships

Organization	Position	Membership no./Year
Academy of Microscope Science & Technology	Life membership	LMO350(2015)
Society of Biological Chemists of India	Life membership	1698
The Indian Science Congress Association	Life membership	L-11330
Central Himalayan Environment Association	Life Member	2004
International Symbiotic Society, US	Life Member	2006
International Mycorrhizal Society	Membership	2012
Environment and Social Welfare Society, Khajuraho, India	Life Membership	2017
INTACH	Life membership	L/19152(2018)
SAR Journal of Medical Biochemistry	Associate Editor	N/A

### Honours and Awards

Award	Awarding Organization	Year
1. Qualified UGC-CSIR Net Examination	UGC	1989
2. Recipient of Graduate Assistantship during M.Sc.	G,B.Pant University	1987
3. Best Poster Award in International Conference on Grain Legumes: Quality Improvement, Value addition and Trade at IIPR, Kanpur	IIPR, Kanpur	2009
4. Lupin Fellow-2010 at ICT, Mumbai	ICT, Mumbai	2010
5. Intellectual Peace award-2010 by All India Intellectual Peace Academy	All India Intellectual Peace Academy	2010
6. Effect of plant growth regulators and elicitor on	6th Uttarakhand State	2011

secondary metabolite in cell culture of <i>Habenariaedgeworthii</i> . Awarded Best paper (Oral) In 6th Uttarakhand State Science & Technology Congress, Almora	Science & Technology Congress, Almora	
7. Is genetic diversity influenced by diversity of visiting insects in <i>V. Jatamansi</i> . Awarded Young Scientist. In 7th Uttarakhand State Science & Technology Congress, Dehradun	7th Uttarakhand State Science & Technology Congress, Dehradun	2012
8. Elected as a member of Sectional committee of the Indian Science Congress for the year 2012-2013	Indian Science Congress	2012-2013
9. Bhartiya Shiksha Ratna award-2013 by Global Society for Health & Education Growth, Delhi	Global Society for Health & Education Growth, Delhi	2013
10. Effect of in ovo copper and iron supplementation on post-hatch growth and differential expression of growth or immunity related genes in broiler chickens. Kerala Chapter Award for excellence in the field of Poultry Nutrition during the XXXII Conference of Indian Poultry Science Association held at College of Avian Science and Management, Palakkad, Kerala	XXXII Conference of Indian Poultry Science Association, Palakkad, Kerala	2015
11. Optimization extraction conditions for improving phenolic content and antioxidant activity in <i>Berberis asiatica</i> fruits using response surface methodology (RSM). <i>Food Chem.</i> 207:115-24.	Governor's best researcher award	2016
12. Physiological and biochemical characterization of salinity tolerance in fenugreek ( <i>Trigonella foenum-graecum</i> L.). National conference on Natural resources management for sustainable agriculture organized by Agricultural Technology Development Society at Janta Vedic College Baraut, Baghpat	National conference on Natural resources management for sustainable agriculture	2016
13. Mechanism of salinity tolerance in fenugreek ( <i>Trigonella foenum-graecum</i> L.): Physiological, biochemical and molecular characterization. International conference on Global initiatives in applied sciences & green technologies	International conference on Global initiatives in applied sciences & green technologies	2016
14. An improved method for extraction of nutraceutically important polyphenolics from <i>Berberis jaeschkeana</i> C.K. Schneid fruits. <i>Food Chem.</i> 230:657-666	Governor's best researcher award	2017
15. Impact of salinity on different valuable crops: Physiological, biochemical and molecular characterization. International Conference on Advances in Agricultural & Biodiversity Conservation for Sustainable Development (ABCD 2017)	International Conference on Advances in Agricultural & Biodiversity Conservation for Sustainable Development	2017
16. ESW Recognition Award	Environment and Social Welfare Society Khajuraho, Madhya Pradesh	2017
17. Bharat Ratna Dr. Radhakrishnan gold medal Award	Global economic progress & research association at Bangalore	2019
18. Room temperature synthesis of highly crystalline bismuth oxyhalides nanostructures for waste water treatment. 2nd International Conference on ICEFN & SEM -2019, Nanoscience and Nanotechnology Centre	2nd International Conference on ICEFN & SEM -2019, Nanoscience and Nanotechnology Centre	2019
19. Certificate of Education Excellence & Best Educationist Award	International Institute of Education & Management	2019
20. Impact of altitude on secondary metabolite, antioxidant, and antimicrobial activities of <i>Taxus</i>	International Conference on Conservation and Sustainable	2019

wallichianaZucc. A threatened anti-cancerous plant of Indian Himalayan Region. International Conference on Conservation and Sustainable use of high altitude medicinal and aromatic plants for the socio-economic development	use of high altitude medicinal and aromatic plants	
21. Foliar application of organic and inorganic iron formulation induces differential detoxification response to improve growth and biofortification in Soybean. Best paper published in Indian Journal of Plant Physiology-2019.	Indian Journal of Plant Physiology	2019
22. Certificate of Honor presented by Women's study Center, Kumaun University Nainital on International Women's Day, 8th March 2021	Women's study Center, Kumaun University Nainital	2021
23. Excellence in Research of the Year Award-2021 by Divya Himgiri in joint collaboration with VMSB Uttarakhand Technical University, Uttarakhand State Council for Science & Technology & Society for Research & Development in Science, Technology and Agriculture (SRADSTA)	Divya Himgiri, VMSB Uttarakhand Technical University, Uttarakhand State Council for Science & Technology, SRADSTA	2021
24. Bacteria-derived luminescent carbon quantum dots for antibacterial activity. 3rd International Conference on Global Initiative in Agriculture, Forestry and Allied Sciences for Food Security, Environmental Safety and Sustainable Development (GIAFAS-2021)	3rd International Conference on Global Initiative in Agriculture, Forestry and Allied Sciences	2021
25. Synthesis of bacteria-derived carbon quantum dots and their antimicrobial activity against Salmonella typhi and Bacillus subtilis. 2nd International e-Conference on Advances in Agriculture, Technology and Allied Sciences for Sustainable Development (aTsD-2021)	2nd International e-Conference on Advances in Agriculture, Technology and Allied Sciences	2021
26. Leading Women Researcher Award on the Occasion of International Women's Day on 8th March 2022. by UCOST Dehradun	UCOST Dehradun	2022
27. Awarded with Prof. KS Waldiya Research Award for impact factor of research articles more than 10 in 2022. 1st Felicitation Ceremony of SRICC (Sponsored Research and Industrial Research Cell), Kumaun University Nainital	SRICC (Sponsored Research and Industrial Research Cell), Kumaun University Nainital	2022
28. Diagnosis of malaria in Cameroon: There is also a need for addressing non-falciparum malaria! ICMR-NIMR & MERA-India poster competition, 06th September 2021, New Delhi, India (Section: EPIDEMIOLOGY)	ICMR-NIMR & MERA-India	2021
29. New host record of vibrio anguillarum associated with haemorrhagic septicemia in golden mahaseer, tor putitora (Hamilton, 1822) from India. DR C M Singh Best Research Paper Award. XXXIV Annual Convention of IAVMI being held on 27th-28th May, 2022, in LUVAS. Hisar	XXXIV Annual Convention of IAVMI	2022
30. Biosynthesized silver nanocuboids from endophytic fungi Colletotrichum plurivorum and their potent activity against human pathogens. June, 2022. 15th conference, UCOST, Dehradun. Young Scientist Award	15th conference, UCOST, Dehradun	2022
31. Elucidation of molecular properties of the HRP II epitopes of Plasmodium falciparum. 14th International Conference on Vector and Vector Borne Diseases. ICMR-NIMR, 2022 New Delhi, India	14th International Conference on Vector and Vector Borne Diseases, ICMR-NIMR	2022

32. Development of fluorescent lateral flow assay for Point-of-care diagnosis of P. falciparum. 15th International Conference on Vector and Vector-borne Diseases, 2023 held at Goa University	15th International Conference on Vector and Vector-borne Diseases, Goa University	2023
33. Awarded with Prof. KS Waldiya Research Award for impact factor of research articles more than 10 in 2023. 2nd Felicitation Ceremony of SRICC (Sponsored Research and Industrial Research Cell), Kumaun University Nainital	2nd Felicitation Ceremony of SRICC (Sponsored Research and Industrial Research Cell), Kumaun University Nainital	2023
34. STE Women Excellence award on 22nd Dec 2023 by SAVE THE ENVIORNMENT, A Society for Research Awareness and Social development ,Kolkata. At Swami Rama Himalya University, Dehradun	SAVE THE ENVIORNMENT, Kolkata	2023

### Conference attended

Conference name		Name of the organizing Society/ Institution	Year
<b>INTERNATIONAL</b>			
1. 8th International Conference on "Exploring the Microbial World: From Human Health to Environmental Sustainability" and 4th Annual International symposium on Ciliate Biology	As invited speaker	Indian Network for Soil Contamination Research (INSCR) and International Symposium on Ciliate Biology (ISCB)	2024
2. International Conference on "Bio-Technological Intervention for Health, Agriculture and Circular Economy"	As invited speaker and chaired a session	Motilal Nehru National Institute of Technology Allahabad, Prayagraj-211004 U.P.	2024
3. 1 <sup>st</sup> international conference on Advances in biopolymers and composites: health, environment, and energy (ABC-HEE, 2022)	As invited speaker and chaired a session	Organized by Motilal Nehru National Institute of Technology, Allahabad	2022
4. LIMIT, Climate, water and environment Int. Humboldt Conference	Chaired a session, Member organizing committee	Kumaun university at Uttarakhand Academy of Administration (ATI)	2019
5. 22nd International Conference on ICEFN & SEM-2019,	As invited Speaker	Nanoscience and Nanotechnology Centre, Department of Chemistry, DSB Campus, Kumaun University, Nainital, India	2019
6. 3 <sup>rd</sup> IEEE international conference on " Internet of things: Smart Innovation and Usage" (IOT-SIU 2018) .	Chaired a session	Birla Institute of applied sciences, Bhimtal, in association with IEEE U.P. Section, and the Uttarakhand Science Education & Research Centre (USERC)	2018
7. International conference on "Energy, Functional Materials and Nanotechnology (ICEFN-2016)" at department of chemistry, D.S.B campus Kumaun University, Nainital-2016.	As invited Speaker	Kumaun University, Nainital, India	2016



Conference name		Name of the organizing Society/ Institution	Year
8.8th congress of the International Symbiosis Society "Symbiotic Lifestyle", at Lisbon, Portugal- 2015.	As invited speaker	International Symbiosis Society & University De Lisboa, Lisbon, Portugal	2015
9. Indo-US symposium on "Recent Trends in Nanobiotechnology" organized by UCB Haldi- March, 2015. (Chaired a session)	Chaired a session	UCB Haldi	2015
10. First International congress on "Ecological Integrity and Environmental Ethics: Living for a sustainable Future"	Chaired a session	GBPUA&T, Pantnagar	2014
11. BIT's 4th Annual World Congress of Microbes, at Dalian World Expo Centre, China	As invited Speaker	Dalian World Expo Centre, China	2014
12. Afro-Asian congress on "Microbes for Human & Environmental Health (Micro-Biotech 2014)" organized by Amity University, Noida- October, 2014.		Amity University, Noida	2014
13. EU- India Brokerage Event on Bio-economy and SAHYOG Stakeholder Conference at India Habitat Centre, New Delhi-2014		India Habitat Centre, New Delhi	2014
14. International Seminar on "21 <sup>st</sup> Century Women at the Zenith of Glory"	As resource person	Snehil "An organization on a mission for the preservation and conservation of the cultural Heritage of India"	2014
15. 1st International conference on New Horizons in Pharmaceutical and Biomedical Sciences at Siddharth Institute of Pharmacy, Sahstradhara Road, near IT Park, Dehradun- 12 to 13 January, 2013.		Siddharth Institute of Pharmacy	2013
16. International Conference on Health, Environment & Industrial Biotechnology (Biosangam) at MNIT Allahabad.	As Invited Speaker	MNIT Allahabad	2013
17. International conference on Transfer of Biotechnology & Land Use Management for Sustainable Development at Govt College Aron, GUNA Madhya Pradesh.	As Invited Speaker	Govt College Aron, GUNA Madhya Pradesh	2013
18. International conference "Advances in Free Radicals, Redox Signalling and Translational Antioxidant Research (SFRR-STAR)"		Lucknow	2013
19. 7th International Conference on Mycorrhiza (ICOM7) Organized by TERI at India Habitat Centre New Delhi, India		TERI, India Habitat Centre	2013
20. 7th International Symbiosis	As invited Speaker	ISS, Krakow Poland	2012

Conference name		Name of the organizing Society/ Institution	Year
society congress "the earth`s vast symbiosphere", at Krakow Poland-2012.			
21.Asian Pacific Bioinformatics Conference (APBC 2012) at Melbourne, Australia -2012	As invited Speaker	ISS,Melbourne, Australia	2012
22.International Conference on Issues for climate change, land use diversification and biotechnological tools for livelihood security		S.V.P.U. A&T., Meerut	2011
23.Indo-US Workshop on Biocomputing (ISB2011)		NIT Calicut, Kerela	2011
24.Indian-German Workshop in the frame of the programme" Initiation and Intensification of Bilateral Cooperation" at Amity, Noida-		Amity, Noida	2011
25.International Workshop on Mountain Biodiversity and Impacts of Climate Change with Special Reference to Himalayan Biodiversity Hotspot.		G.B. Pant Institute of Himalayan Environment	2011
26.International conference on Cooling the Earth-Tectics for restoring climate order and saving the living planet.		G.B. Pant Uni. of Agri. & Tech., Pantnagar	2010
.27.International Conference on Current trends in Biotechnology & Implications .		Sardar Vallabhbhai Patel University of Agriculture &Technology, Meerut	N/A
28.International Conference on Molecular Biology & Biotechnology .		Banasthali University, Rajasthan	2008
29..International Conference on "Asian monsoon variability during the past global changes"		Department of Geology, Kumaun University,Nainital	2007
30..International Seminar on Conventional and Biotechnological approaches for sustainable development in Sub-Himalayan region		IVRI Mukteshwar	2007
31.5th International Conference on Bioinformatics & Biotechnology, InCoB2006,		Hotel Ashoka, New Delhi	2006
32.5th international Symbiosis Society Congress at Vienna, University of Vienna, Austria-2006	As invited speaker	University of Vienna, Austria	2006
33..International Conference on Biotechnological Approaches for Alleviating Malnutrition and Human Health,		University of Agriculture Sciences, GKVK,Banglore	2006
<b>NATIONAL</b>			
1. Workshop on intellectual property rights	As Invited Speaker	IPR Cell,G.B.Pant University,Pantnagar	2024
2. ,National Workshop on "IPR, Innovations and	As invited Speaker	Graphic Era hill University ,Bhimtal	2023

Conference name		Name of the organizing Society/ Institution	Year
Enterpreneurship”		Campus,Bhimtal.	
3. National Workshop on Gender Sensitization and Prevention of Sexual Harassment of Women at Workplace		NAHRD	2022
4. National Workshop on National Education Policy 2020: Curriculum Design for state of Uttarakhand		Kumaun University Nainital	2022
5. 14th Uttarakhand State Science and Technology Congress	As coordinator in the Himalayan Knowledge Network (HKN)	GBPNIHESD, Almora	2020
6. National seminar on “Education-Economic & Health Development”		International Institute of Education & Management, New Delhi	2019
7. 12th Uttarakhand State Science and Technology Congress	As Coordinator in the EarthSciences including Geology	Vigyandham, Jhajra, Dehradun	2018
8. National workshop on curriculum development in rural management and rural engagement		National Council of Rural Institutes, Kumaun University Nainital	2018
9. .11th Uttarakhand State Science and Technology Congress as Coordinator in the Biotechnology	As Coordinator in the Biotechnology	Vigyandham, Jhajra, Dehradun	2017
10. National conference on Impact of global warming on environment, biodiversity and ecotourism	As invited Speaker	Environment and Social Welfare Society ESW (IV), Khajurao, Madhya Pradesh	2017
11. .National Conference on “Strategies, innovations and sustainable management for enhancing coldwater fisheries and aquaculture		ICAR-DCFR, Bhimtal, Nainital, Uttarakhand	2017
12. National conference on biotechnological perspective in healthcare		IMS, Ghaziabad	2016
13. .National seminar on globalization, market and consumer rights issues and challenges		Department of Political Science, D.S.B Campus, Kumaun University Nainital	2016
14. National Conference on “Managing Soil Resource for Environmental		N/A	2016

Conference name		Name of the organizing Society/ Institution	Year
Sustainability: Challenges & Perspectives”			
15. 10th Uttarakhand State Science and Technology Congress at Vigyandham	Coordinator for Brain Storming Session	Jhajra, Dehradun	2016
16. .National Conference on “Microbes in extreme environment: Diversity and Translational Applications”	As Invited Speaker	HNBGU, Srinagar	2015
17. .National Seminar on “Challenges faced by women in the Himalayan region”	As invited Speaker	Centre for Women Studies, Kumaun University Nainital	2015
18. . Water quality workshop: Monitoring, Assessment and Management		Kumaun University, Bhimtal Campus Bhimtal	2015
19. 9th Uttarakhand State Science and Technology Congress at Vigyan dham	Coordinator for Brain Storming Session	Jhajra, Dehradun	2015
20. 9th Uttarakhand State Science and Technology Congress at Vigyan dham	Coordination Committee	Jhajra, Dehradun	2015
21. Protection of Human Rights of women in India”	As Invited speaker	Centre for women Studies, Kumaun University Nainital	2014
22. Sustainable Development of Natural Resources and Wildlife Conservation	As invited speaker	Environment and Social Welfare Society, Khajuraho	2014
23. BTISnet Coordinators Meeting		CSIR-National Institute of Oceanography, Dona Paula, Goa	2014
24. .Prioritizing Research areas on Nano Bio-information technology		C.B.S.H, G.B.P.U.A.T Pantnagar	2013
25. Role of Bioinformatics in Biodiversity management		NBRI	2013
26. 8 <sup>th</sup> Uttarakhand State Science and technology congress	Coordinator Brain Storming session	Doon University, Dehradun	2013

Conference name		Name of the organizing Society/ Institution	Year
27. Challenges in the Post-Genomic Era		University of Jammu	2012
28. 7 <sup>th</sup> Uttarakhand State Science and technology congress	Coordinator Brain Stroming session	Graphic Era University, Dehradun	2012
29. Status and role of women in Uttarakhand	As invited Speaker	Centre for Women Studies, Kumaun University Nainital	2012
30. Mountain Fisheries: challenges and opportunity for livelihood Security”	As invited Speaker	Directorate of Cold Water Fisheries, Bhimtal	2012
31. Right to Information Act-2005		Uttarakhand Academy of Administration, Nainital	2012
32. Ham Radio Orientation training workshop		Dehradun	2012
33. Orientation workshop for social Communication Campaign on Declining Sex Ratio		Dehradun	2012
34. Indian Science Congress Association		KIIT University Bhubaneswar	2012
35. Applications of Geographic Information Science & Remote Sensing in Climate Change Studies	As invited Speaker	SSJ Campus Almora	2011
36. Uttarakhand State Science and Technology Congress	As member organizing committee	SSJ Campus Kumaun University, Almora	2011
37. Recent advances in fungal biotechnology	As Invited Speaker	FRI, Dehradun	2011
38. Ecology and Culture in Uttarakhand		Academic Staff College, Kumaun University, Nainital	2011
39. III-Environment Summit		Dehradun	2011
40. Sustainable Mountain Development Summit		ATI, Nainital	2011
41. 25 Years of Bioinformatics in India		Pondicherry University, Pondicherry	2011
42. V-Uttarakhand State Science and Technology Congress	As member Organizing Committee	Doon University, Dehradun	2010
43. Environment, Development and Society		Academic Staff College, Kumaun University, Nainital	2010

Conference name		Name of the organizing Society/ Institution	Year
44. .IPR		Directorate of Cold Water Fisheries, Bhimtal	2010
45. .IV-Uttarakhand State Science Congress	As member Organizing Committee	G.B. Pant University of Agri. & Technology Pantnagar	2009
46. .Hind Swaraj: 100 years of the Gandhian Vision		Academic Staff College, Kumaun University, Nainital	2009
47. .III-Uttarakhand State Science Congress	As member organizing Committee	IIT Roorkee	2008
48. .Natural Resource Conservation in Uttarakhand		ASC Nainital	2008
49. National roving Seminar on Traditional Knowledge		Patent Office, Govt. of India & World Intellectual Property Organization (WIPO)	2008
50. .Integrated Livestock Farming Systems in the Foot-Hills of Himalayas	Invited Speaker	IVRI, Mukteshwar	2008
51. Emerging trends in separation Science and Technology		Department of Chemistry, DU, Delhi	2008
52. National Women's Science congress	Invited for plenary lecture	Karnataka state women's university	2008
53. .Global warming and its control using biotechnology	As invited Speaker	Department of Geology, Kumaun University, Nainital	2007
54. .Legislative Measures to Combat Climate change	As Representative Kumaun University(VC Nominee)	Raj Bhawan, Nainital	2007
55. .Relevance of Einstein's Contributions in the 21st Century		Dept. of Physics, Kumaun University, Nainital	2006
56. .Biotechnology for high altitude plant stress	As An Expert	DARL, Goraparao, Haldwani	2006
57. .Academic Programmes		Uttaranchal Open University, Nainital	2006
58. .Nanotechnology and Biotechnology		ASSOCHAM, New Delhi	2006
59. .Indian Science Congress		A.N.G.R.A. University, Hyderabad	2006
60. .Intellectual Property Rights		Centre of Vocational Studies, Kumaun University, Nainital	2005
61. Recent Trends in Fluorescence Spectroscopy and its Applications		Dept. of Physics, Kumaun University, Nainital	2005
62. Biotechnology for high altitude plant	As an Expert	DARL Goraparao, Haldwani	2005
63. .Plant Variety Protection		Department of Genetics and Plant Breeding, G.B.	2005

Conference name		Name of the organizing Society/ Institution	Year
		Pant University	
64. .Society of Biological Chemists, India		G.B. Pant University of Agriculture and Technology, Pantnagar	2004
65. .Integrated Aqua farming for Rural Development		College of Fisheries, G.B. Pant University of Agriculture & TechnologyPantnagar	
<b>WEBINARS</b>			
1.Intellectual Property rights: Fundamentals and its importance in present context		UCOST Dehradun	2020
2.Origin and transmission of COVID-19		Hisar unit Association of Microbiologists of India	2020
3.Biomedical applications using Deep learning		Department of Information Technology, MGIT in association with Pantech E learning	2020
4.Role of Artificial Intelligence (AI) in Automation		School of Innovation and Technology, Assam Rajiv Gandhi University of Cooperative Management	2020
5.Waste to Bioenergy		Sharda University, NCR and Maharashtra Institute of Technology, Aurangabad, India	2020
6.Challenges in Agriculture and human health in emerging situation		Indian Society of Genetics, Biotechnology Research and Development Agra (UP) India	2020
7.Advances in Diagnosis and control of Microbial Outbreaks		Department of Pharmacy and Department of Biotechnology, Barkatullah University, Bhopal MP	2020
8.Tackling COVID-19 through Traditional Ways		Department of Botany and Microbiology, Gurukul Kangri University	2020
9.HPTLC: Principles and Applications in Pharmacology, Phytochemistry and Environmental Science		Anchrom Webinar co-hosted with Save the Environment, Gurugram	2020
10.Design and Development of Biosensors and their Applications		Department of Chemistry, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore	2020
11.Artificial Intelligence in Healthcare		Department of Electronics and Telecommunication Engineering, R. C. Patel Institute of Technology, Dist-Dhule (MS)	2020
12.Issues and Solutions for Saving Biodiversity in		Uttarakhand State Council for Science and	2020

Conference name		Name of the organizing Society/ Institution	Year
Himalayan Region		Technology (UCOST), Dehradun & The National Academy of Sciences, India, Prayagraj	
13.Global Pandemic Outbreak: Role of Technology & Automation		Department of Computer Science and Engineering, JSS Academy of Technical Education, Noida	2020
14.In-Silico Techniques in Drug Designing		Bioinformatics Centre (SubDIC), Barkatullah University, Bhopal	2020
15.Opportunity for Biologist in Current Scenario		School of Biological Science, Maulana Abdul Kalam Azad University of Technology, West Bengal	2020
16.Strategies for Personal Finance Management Including mutual funds during and after COVID-19		Association of Mutual Funds in India (AMFI) and RashtriyaShaishikMahasangh, Uttarakhand &Kumaun University, Bhimtal Campus	2020
17.Witnessing Effects of COVID-19 on India in Socio-Cultural, Economic and Technological Background		FMS, Kumaun University, Nainital & Himalayan Management and Development Resource Institute (HiMADRI), Rishikesh	2020

**Signature of the faculty member**



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