



Brief Bio-Data

 Praveen Kumar 07-06-1987	<p>Dr. Praveen Kumar M.Sc., M.Phil. & Ph.D. (Environmental Science) D-Pharmacy, PGDESD, PGDGIS</p> <p><i>Current address:</i> Research Associate, Department of Soil Science, micronutrient lab. COA, CSKHPKV Himachal Pradesh, Palampur, 176062, HP, India <i>Permanent address:</i> V.P.O. Mandal, tehsil Balh, district Mandi (H.P.) 175021 E-mail: pk.hpkv@gmail.com; Mobile: (+91) 9805645714 Research Gate: https://www.researchgate.net/profile/Praveen-Kumar-118 Google scholar: https://scholar.google.com/citations?user=9qDTbF4AAAAJ&hl=en</p>						
Field of Specialization and Research interest: Soil Physics, soil fertility and pollution, environmental geophysics, seismic methods, spatial modeling, biodiversity conservation							
Educational Qualification:							
Degree/Diploma	Year	Institution					
B.Sc. (Medical)	2009	Himachal Pradesh University					
M.Sc (Environmental Science)	2011	CSK Himachal Pradesh Krishi Vishvavidyalaya, Palampur					
M.Phil. (Environmental Science)	2013	Chaudhary Devi Lal University, Sirsa, Haryana					
Ph.D. (Environmental Science)	2020	Central University Himachal Pradesh					
D-Pharmacy	2005	H.P. Takniki Shiksha Board					
Post Graduate Diploma in Environmental Science and Sustainable Development (PGDESD)	2013	IGNOU					
PG Diploma in Geo-Informatics (PGDGIS)	2018	Uttarakhand Open University					
Employment record along with professional experience (in years)=7.3 years							
<ol style="list-style-type: none"> 1. Senior Research Fellow in MoES sponsored project, Central University of Himachal Pradesh (3 years, 3 month) 2. Research Associate in Department of Soil Science CSKHPKV Palampur (4 years) 							
Essential Qualification: NET Qualified UGC- NET in Environmental Sciences (Nov. 2012)							
Research Publications:							
Total research papers published in refereed journals =35 {Highest impact factor: 6.145 (IF 2022) ; NAAS: 12.15 }							
Total (Published and under review or accepted) = 43							
Research Publication	Peer review/UGC care list/Scopus journal	Thomson Reuters Impact Factor (NAAS rating)					
		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">>1(5-6)</td> <td style="text-align: center;">1-2 (6-8)</td> <td style="text-align: center;">2-4 (8-10)</td> <td style="text-align: center;">4-9(10-15)</td> <td style="text-align: center;">Total</td> </tr> </table>	>1(5-6)	1-2 (6-8)	2-4 (8-10)	4-9(10-15)	Total
>1(5-6)	1-2 (6-8)	2-4 (8-10)	4-9(10-15)	Total			
Published/accepted	9	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">9</td> <td style="text-align: center;">4</td> <td style="text-align: center;">13</td> <td style="text-align: center;">3</td> <td style="text-align: center;">38</td> </tr> </table>	9	4	13	3	38
9	4	13	3	38			
Submitted/under review	1	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td style="text-align: center;">0</td> <td style="text-align: center;">1</td> <td style="text-align: center;">5</td> </tr> </table>	1	2	0	1	5
1	2	0	1	5			
Total	<i>(Published + under review)</i>	43					
Conference/seminar (23), workshop (7), Training (5), Webinar (11)							
<i>Total</i>		46					
Achievement: Dr. Kumar carried out first-level seismic micozonation of Kangra valley with Multichannel Analysis of Surface Wave Waves (MASW) and microtremor methods with the financial assistance of MoES sponsored project. These instruments also used in hi-tech agriculture in soil geophysical that have lot of environmental implications viz., delineation of the basin architecture, <i>sedimentary history and soil thickness</i> . These results are further used for developing a new empirical relationship to find soil thickness without digging costly borehole for soil profiling. He also utilized <i>geospatial modelling for soil resource management</i> , delineation of nutrient status, soil pollution and precision farming. His contribution also in the field of birding (birds and butterfly diversity) and <i>agricultural ornithology</i> , with many checklists new records of butterfly for the hilly state of Himachal Pradesh, India.							
Awards/Fellowships:							
<ul style="list-style-type: none"> • Kanwar Virender Singh Memorial “All India Best Publication Award Winners 2021” Society for the Advancement of Human and Nature (SADHNA) • Best Poster award in National seminar emerging trends in the environmental sciences and technology. 24th August 2017 							
Membership: Life Member Ecological Society of India							
<i>It is to be declared that the above-mentioned information is true to the best of my knowledge and belief.</i>							
Date: 04/04/2023 Place: Palampur (HP)							
		 Praveen Kumar					

Detail Bio-data



Dr. PRAVEEN KUMAR

DOB: 07-06-1987

M.Sc., M.Phil. & Ph.D. (Environmental Science)

D-Pharmacy, PGDESD, PGDGIS

Current address: Research Associate, **Department of Soil Science**, micronutrient lab.COA, CSKHPKV Himachal Pradesh, Palampur, 176062, HP, India

Permanent address: V.P.O. Mandal tehsil Balh district Mandi (H.P.) 175021

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Research Gate: <https://www.researchgate.net/profile/Praveen-Kumar-118>

Google scholar: <https://scholar.google.com/citations?user=9qDTbF4AAAAJ&hl=en>

Educational Qualification:

Education	Division	University/Institute	
2013-2020	Ph.D. (<i>sp.</i> Environmental Geophysics)	First	Central University of Himachal Pradesh, Dharamshala, India
2011-2013	M.Phil.		Chaudhary Devi Lal University, Sirsa, Haryana, India
2009-2011	M.Sc. (Environmental Science)		CSK Himachal Pradesh Krishi Vishwavidyalaya, Palampur, India
2009	B.Sc. (Medical)		Himachal Pradesh University, Shimla
2004	Plus two		Abhilashi model SSS, HPBSE, Dharamshala
2002	Matriculation		HPBSE, Dharamshala
Diploma			
2018	*PGDGIS	First	Open University Uttarakhand
2013	*PGDESD		IGNOU
2005	D-Pharmacy		H.P. Takniki Shiksha Board

*Abb.: PGDGIS= PG Diploma in Geo Informatics; PGDESD = PG Diploma in Environment and Sustainable Development

Academic Employment

- Working as Research Associate (RA) from March 2019, AICRP on MSPE, CSKHPKV, Palampur in *Department of Soil Science*, HP, India (Exp: 4 year)
- Worked as Senior Research Fellow (SRF) in MoES sponsored project, “Subsurface Characterization and its environmental implications using engineering seismograph and ground penetration radar” *Department of Earth and Environmental Science*, Central University of Himachal Pradesh, India (Exp: > 3.3 year)

Essential Qualification:

- NET Qualified UGC- NET in environmental Sciences (Nov. 2012)

Detail of paper published in referred Journal/SCOPUS/NAAS

Research Publications: *Total {Published (34) and under review (09) = 43*

Peer review/UGC care list/Scopus journal	*Thomson Reuters Impact Factor (NAAS rating)				Total
	>1(5-6)	1-2 (6-8)	2-4 (8-10)	4-9(10-15)	
9	9	4	13	3	38
1	1	2	0	1	5
(Published + under review)					43

Detail of conference/ workshop/training

Detail	Presented	Participated	Organizer	Total
Conference/seminar/Convention	16	4	3	23
Workshop	-	7	-	7
Training		5		5
Webinar		11		11
Total	15	15	3	46

List of paper published/accepted (37)*

2023 (6)

1. **Kumar P**, Sharma M, Butail NP, Shukla AK and Kumar P. Spatial variability of soil properties and delimitation of management zone for Suketi river basin, Himachal Himalaya, India. *Environment, Development and Sustainability*. *accepted* (IF: 4.080; NAAS: 10.08).
2. Mahajan AK and **Kumar P**. 2022. Near-surface characterization and delineation of 2-D shear wave velocity profile from geologically complex landscape of Kangra Valley, NW Himalaya, India. *Bulletin of Engineering Geology and the Environment*. *accepted* (IF: 4.298; NAAS:10.298).
3. **Kumar, P.**, Bharti Parmar and Pardeep Kumar. 2022. Preliminary checklist of butterfly diversity from the Himachal Pradesh Agricultural University, Palampur, India" *Environment Conservation* *accepted* (NAAS: 5.66).
4. **Kumar, P.**, Mahajan, A.K. & Sharma, M. Site effect assessment and vulnerability analysis using multi-geophysical methods for Kangra city, NW Himalaya, India. *J Earth Syst Sci* 132, 14 (2023). <https://doi.org/10.1007/s12040-022-02032-7>. (IF: 1.912; NAAS: 7.91)
5. Pratibha Thakur; Pardeep Kumar; Arvind Kumar Shukla; Nagender Pal Butail; Munish Sharma; **Praveen Kumar** and Upinder Sharma, 2023. Quantitative, qualitative, and energy assessment of boron fertilization on maize production in north-west Himalayan region. *Springer*. [EMID:624b482ff31e5fb3] *accepted*. *International Journal of Plant Production*. (IF: 2.609; NAAS: 8.61).

6. Chakkal AS, Kumar P, Butail NP, Sharma M, **Kumar P**, Suri D and Shukla AK. 2022. Influence of molybdenum application on soil nutrient status and uptake by cauliflower (*Brassica oleracea* var. botrytis L.) in an Acid Alfisol soil. *Environment Conservation Journal*. 5386. (NAAS: 5.66).

2022 (08)

7. Kumar P, Mahajan AK.....**Kumar P**. Evaluating feasibility of biosorption technique for the heavy metals removal: Limitations and future perspective. *International Journal of Environmental Analytical Chemistry*. <https://doi.org/10.1080/03067319.2022.2145196> (IF: 2.731; NAAS: 8.73)
8. **Kumar P**, Kumar P, Sharma M, Butail NP, Shukla AK (2022) Spatial variability of the soil properties from apple orchards and the potential areas in Kinnaur region of Cold Desert Trans Himalaya, India. *Environmental Monitoring and Assessment*. Springer. 194(4):290. DOI: 10.1007/s10661-022-09936-3. (IF: 3.307; NAAS: 9.31) (Int) Peer-referred. 0167-6369
9. Butail, N. P., Kumar, P., Shukla, A. K., Behera, S. K., Sharma, M., **Kumar, P.**, ... & Green, A. (2022). Zinc dynamics and yield sustainability in relation to Zn application under maize-wheat cropping on Typic Hapludalfs. *Field Crops Research*, 283, 108525. (IF: 6.145; NAAS: 12.15). (Int). Peer-referred. 0378-4290
10. Behera SK, ..**Kumar P**, Prajapati R, Tiwari K, Suri D, Sharma M. (2022), The Scope for Using Proximal Soil Sensing by the Farmers of India. *Sustainability*. MDPI. 14(14):8561. (IF: 3.889; NAAS: 9.25) <https://doi.org/10.3390/su14148561> (Int-review). 2071-1050. (IF: 3.89; NAAS: 9.89)
11. Chakkal, A.S, Kumar, P., Butail, N.P., Sharma, M., and **Kumar, P.** (2022) Impact of molybdenum application on yield, quality, and profitability of cauliflower (*Brassica oleracea* var. botrytis L.) in an Acid Alfisol Soil. *Indian Journal of Ecology* 49(2): 372-377. (IF: 0.544; NAAS: 5.79).0304-5250<https://doi.org/10.55362/IJE/2022/3531a>
12. Butial, N.P. Kumar, P., Shukla A.K., Sharma, M. and **Kumar P.**(2022) Agronomic zinc biofortification of okra genotype [*Abelmoschus esculatus* (L.) Moench] and its impact on mineral composition of okra in an acid Alfisol. *Journal of Plant Nutrition*. Taylor & Francis Online.15324087 (IF: 2.277; NAAS: 8.28).0190-4167.10.1080/01904167.2022.2067763
13. Sharma, M., Parmar, D.K., Kumar, P., N.P. Butail, Kumar, P. & Sharma, S.K., 2022. Impact of Zinc on yield, nutrient uptake and soil nutrient status in rainfed pea-maize sequence under high phosphorous regime soils of north-western Himalaya. *Journal of Plant Nutrition*. Taylor & Francis Online. DOI: 10.1080/01904167.2022.2155530. (IF: 2.277; NAAS: 8.28).
14. Sharma PK, **Kumar P**, Sharma M, Butail NP and Kumar P. 2022. Vulnerability of water resources to climate change in Indian Himalayan Region. *Indian Journal of Ecology*. 937355682. (IF: 0.544; NAAS: 5.79).

15. **Kumar P**, Sharma M, Butail NP, Shreya, Kumar P and Shukla AK (2021) Assessing the spatial variability of the soil properties in geologically complex Jawali region of North-west Himalaya, India. *International Journal of Environmental Analytical Chemistry*. Taylor & Francis Online.0306-7319<https://doi.org/10.1080/103067319.2021.1900146>. (IF: 2.731; NAAS: 8.73).
16. **Kumar P**. (2021). Butterfly diversity from the foothill region of Dhauladhar Ranges Kangra Valley, North-West Himalaya, India. *Environment and Ecology* 39 (4A): 1257—1265. (NAAS: 5.25). 0970-0420
17. Parmar, D.K., Khatkar, A, Kumar, P., **Kumar, P.**, Sharma, M. & Butail, N.P. (2021). Spatial variation of heavy metal contamination in roadside soil from hilly terrain of the north-western Himalaya. 850-865. *Chemistry and Ecology*. Taylor & Francis Online.37, 850-865. <https://doi.org/10.1080/02757540.2021.1979525>.ISSN: 1029-0370. (IF: 2.381; NAAS: 8.38).
18. Mahajan, A.K., **Kumar, P.** & Kumar, P. (2021). Near-surface seismic site characterization using Nakamura-based HVSR technique in the geological complex region of Kangra Valley, northwest Himalaya, India. *Arabian Journal of Geosciences*. Springer. 14, 826. ISSN: 18667538.<https://doi.org/10.1007/s12517-021-07136-w>.(IF:1.827; NAAS:7.83). 1866-7511
19. Sharma, M., Parmar, D.K., Sharma, S.K., Kumar, P. & **Kumar, P.** (2021). Influence of zinc nutrition on zinc availability, uptake and crop yield of rainfed maize-pea sequence in Northwestern Himalaya. 44. 14. 2069-2080. *Journal of Plant Nutrition*. 0190-4167.Taylor & Francis Online.<https://doi.org/10.1080/01904167.2021.18>. (IF: 2.277; NAAS: 8.28).
20. Sharma, M., Parmar, D.K., Kumar, P., NK Sankhyan, **Kumar, P.** & NP Butail (2021). Efficacy of zinc nutrition for improving zinc content at different growth stages of rainfed maize-pea sequence in Northwestern Himalaya. *Journal of Plant Nutrition*. 44(20):3050-3060. 2069-2080. DOI: 10.1080/01904167.2021.1936035. Taylor & Francis Online. (IF: 2.277; NAAS: 8.28).
21. Kumar, P., Sharma, P.K., **Kumar, P.**, Sharma, M., Butail, N.P. (2021). Agriculture sustainability in Indian Himalayan Region: Constraints and potential. *Indian Journal of Ecology* 42(3):649-662.ISSN: 3045250. (IF: 0.544; NAAS: 5.79).
22. **Kumar, P.** (2021). Avifaunal diversity from Shahpur campus of the Central University, Himachal Pradesh India. *Indian Journal of Ecology*. 48(1): 136-146. Manuscript ID 2498. (IF: 0.544; NAAS: 5.79).
23. **Kumar, P.** (2021) Spatial distribution and ethno-botanical aspect of edible plant from foothill region of Dhauladhar Range, Kangra Valley, North-Western Himalaya, India. *J. Biodiversity*, 12(1-2): 24-31.ISSN 2456-6543. <https://doi.org/10.31901/24566543.2021/12.1-2.088>. (IF: Peer review; NAAS:#).

List of paper published in book (1)

24. Kumar, P., Kumar, P., Sharma, M., Butail, N.P., Shukla, A.K. (2021) Quantification of the soil organic carbon and major nutrients using geostatistical approach for Lahaul Valley, Cold Arid Region of Trans-Himalaya. In: Pant D., Kumar Nadda A., Pant K.K., Agarwal A.K. (eds) *Advances in Carbon Capture and Utilization. Energy, Environment, and Sustainability.* Springer, Singapore. 235-247. https://doi.org/10.1007/978-981-16-0638-0_10.

2020 (7)

25. Kumar, P. & Mahajan, A.K. (2020). New empirical relationship between resonance frequency and thickness of sediment using ambient noise measurements and joint-fit-inversion of the Rayleigh wave dispersion curve for Kangra Valley (NW Himalaya), India. *Environmental Earth Sciences*, 79: 256.1866-6280. [Springer](https://doi.org/10.1007/s11267-020-0112-1) (IF: 3.119; NAAS: 9.12).

26. Mahajan, A.K. & Kumar P. (2020). Subsurface site characterization of Donga Fan, Northwest Himalaya using multichannel analysis of surface waves and response analysis. *Current Science*, 119 (12), 1948-1960. (IF: 1.169; NAAS: 7.17).

27. Kumar, P., Kumar, P. & Shukla, A.K. (2020). Spatial modeling of some selected soil nutrients using geostatistical approach for Jhandutta Block (Bilaspur District), Himachal Pradesh, India. *Agricultural Research.* [Springer](https://doi.org/10.1007/s40003-020-00494-z).10, 262-273. 2249-720X. <https://doi.org/10.1007/s40003-020-00494-z>. (NAAS: 5.95).

28. Kumar, P., Kumar, P., Sharma, M., Butail, N.P, Singh V & Shukla AK. (2020). Delineation of the major soil nutrients in Seabuckthorn (*Hippophae* sp.) stand and its comparison *Hippophae* to other land uses from extreme landscape of Trans-Himalaya. *Indian Journal of Ecology*, 47(3): 799-802. 0304-5250. (NAAS: 5.79).

29. Kumar, P., Mahajan, A. K., & **Kumar, P. (2020).** Determining limiting factors influencing fish kills at Rewalsar Lake: a case study with reference to Dal Lake (McLeodganj), western Himalaya, India. *Arabian Journal of Geosciences*, 13(17). 872. 1866-7511. <https://doi.org/10.1007/s12517-020-05792-y>. [Springer](https://doi.org/10.1007/s12517-020-05792-y). (IF: 1.827; NAAS: 7.83).

30. Kumar, P, Kumar, R., & Kumar, J. (2020). *Spindasis schistacea* (Moore, 1881) — *Plumbeous Silverline*: A new butterfly record from Himachal Pradesh, India. *Journal on New Biological Reports*. 9(3): 309 – 311. ISSN: 2319 – 1104. (Peer review).

31. Kumar, P., Kumar, J. & Kumar, R. (2020). First record of the Common Tinsel from the hilly state of Himachal Pradesh, India. *Bugs R All #190*, In: *Zoo's Print* 35(12): 38–40. ISSN: 2230-7052. (Peer review).

2012-2019 (5)

32. **Kumar, P.,** and Kumar, P. (2019). Removal of Cadmium (Cd-II) from aqueous solution using gas industry-based adsorbent. ENPR-D-18-00292. *SN Applied Sciences*. (indexed in Scopus) Springer. 1: 365. ISSN: 2523-3971. <https://doi.org/10.1007/s42452-019-0377-8>.
33. Mahajan, A.K., & **Kumar. P.** (2018). Site characterization of Kangra Valley (NW Himalaya, India) by inversion of H/V spectral ratio from ambient noise measurements and its validation by multichannel analysis of surface waves technique. *Near Surface Geophysics*. 16(3), 314–327. ISSN: 1873-0604. <http://doi: 10.3997/1873-0604.2018008>. (*EAGE-European Association of Geoscientists & Engineers; Wiley Online*.(~NAAS: 8.010; IF: 2.010).
34. Mahajan, A.K., & **Kumar. P.** (2017). Application of Multichannel Analysis of Surface Waves for the detection of mine workings. *Journal of Indian Geological Congress*. 9, 127-129. ISSN: 2229-435X.
35. **Kumar, P.,** Singh, V. & Singh, A. (2018). Seabuckthorn conserve plant diversity in cold desert Himalaya, *Journal of biodiversity*. (1-2): 53-68. <https://doi.org/11.258359/KRE-180>. (IF: Peer review; NAAS:#). ISSN: 0976-6901.
36. **Kumar, P.,** Singh, V., Singh, A., Kumar, S. (2014). Ethnobotanical studies of plant species associated with *hippophaes*p. in Chandra valley a part of Cold Desert Biosphere Reserve Himachal Pradesh, India. *Annals of Plant Sciences*. 2014, 3 (07), 754-757. (IF: Peer review; NAAS:#). ISSN: 2287-688X.

Book Chapter (1)

37. **Kumar P,** Singh V and Singh V. 2012. Diversity, distribution of vascular plant species associated with *Hippophae* species under threat to be submerged within proposed Hydroelectric Project in Bhaga valley, Lahaul-Spiti district in Himachal Pradesh, India. *Energy-Water- Waste Nexus for Environmental Management*; Narosa Publishing House, New Delhi pp. 95-101 ISBN 978-81-8487-206-4.

*Thomson Reuters Impact Factor (IF) journals is considered equivalent to NAAS Score 6.0 + IF with capping on 20.00. Here, latest impact factor of 2022 is given with the research paper.

Paper submitted/under review (8)

38. Butail NP, Baghla D, ... **Kumar P.** 2022. Energy budgeting, profitability, and yield assessment of different zinc sources in potato production. *Energy*. EGY-D-22-05524. (IF: 4.080; NAAS: 13.147).

39. **Kumar P**, Sharma M, Butail NP, Shukla AK and Kumar P. Catchment-scale spatial variability of soil properties from Suketi river basin, Himachal Himalaya, India. *Environment, Development and Sustainability*. ENVI-D-21-03040 (**IF: 4.080; NAAS: 10.08**).
40. Suri D, Sharam VK, Kumar P, **Kumar P**, Sharma M and Butail NP. 2022. Spatial variability and geostatistical analysis of sulphur fractions in soils under diversified cropping system of agro-climatic Zone II, Himachal Himalaya, India. *Current Science*, (**IF: 1.169; NAAS: 7.10**).
41. **Kumar P.**, Bharti Parmar and Ambrish Kumar Mahajan. 2022. Butterfly diversity from the Temporary Academic Block of Central University Himachal Pradesh, India. *Journal of Himalayan Ecology and Sustainable Development*. (**UGC care listed journal**).
42. **Kumar, P.**, Kumar, P., Sharma, M., Butail, N.P., Shreya, Sankhyan, N.K. & Shukla, A.K. 2020. Spatial distribution of soil nutrients from the arable land of the hilly terrain in Kangra Valley, north-west Himalaya, India. *Indian Journal of Agricultural Sciences*. (**IF: 0.371. NAAS: 6.37**).
43. **Kumar, P.** Parmar, B and Kumar, P. 2022. Checklist and comparison of the bird diversity from the Himachal Pradesh Agricultural University, India. ID: 8192 (**NAAS: 5.64**).

Paper reviewed: Journal (Review: 13)

1. International Journal of Environmental Analytical Chemistry (1)
2. Journal of Threatened Taxa (7)
3. *Plant Cell Biotechnology and Molecular Biology* (1)
4. Journal of Pharmaceutical Research International (1)
5. Asian Journal of Education and Social Studies (1)
6. Annual Research & Review in Biology (1)
7. South Asian Research Journal of Natural Products (1)

Papers Presented in Conference Proceedings/workshop (15)

1. **Kumar, P.**, Singh, V. & Singh, V. Vegetation associated with seabuckthorn in Lahaul valley of Himachal Pradesh. National conference on seabuckthorn (*Hippophae* L.) Emerging trends in R&D on the Health Protection and Environmental Conservation, Dec. 1-3, 2011, pp. 1-8.
2. **Kumar P**, Singh V and Singh V. 2012. Diversity, distribution of vascular plant species associated with *Hippophae* species under threat to be submerged within proposed Hydroelectric Project in Bhaga valley, Lahaul-Spiti district in Himachal Pradesh, India. International Conference on Energy-Water-Waste Nexus for Environmental January 28-30, 2012.

3. **Kumar, P.,** Kumar, P., Singh, P. & Sharma, A. Assessment, distribution and use of medicinal plants species under seabuckthorn communities in Lahaul valley, Himachal Pradesh, India. National seminar on Environmental Degradation: Issues and Remedies, Feb. 28, 2012, p.88.
4. **Kumar, P.** Human Rights: Approach toward environmental protection and sustainable development. National Seminar on Emerging Issues in Indian Administration, March 3-4. 2012.
5. **Kumar, P. & Devi, R.** Zero tillage: A profitable resources saving technology for sustainable development. National Conference on Ecotoxicology and Health Hazard, 24 March 2012, p. 14.
6. Kumar, P. & Kumar, P. Media and Society with reference to Environment. In Electronic Media: Shifting paradigms in language, literature, culture and civilization, 15-16 Feb. 2012.
7. **Kumar, P. & Kumar, P.** Media: Environmental Conservation and Sustainable Development. National seminar on Environmental Degradation: Issues and Remedies, Feb. 28, 2012, p.91.
8. **Kumar, P.** and Singh, V.: Ethanobotanical studies of plant species associated with *Hippophae* spp. in Chandra valley, a part of Cold Desert Biosphere Reserve, Himachal Pradesh. International seminar on Renewable Energy for Institutes and Communities in Urban and Rural Setting, April 2012.
9. Devi, R., **Kumar, P.** & Saran, A.K. Environmental biotechnology: An emerging approach in the field of cleaner production. National symposium on biotechnology: Present status and future prospects, March 15-16, 2013.
10. **Kumar, P.,** Devi, R., & Kumar, P. Energy consumption pattern and future prospective in India. International conference on energy and sustainable development in India, March 13-14, 2013.
11. Mahajan, A.K., Rajput, **P., Kumar, P.,** Kumar, P., Sharma, S. **2014.** Seismic hazards status in Himachal Pradesh and its preparedness, three days national workshop on “Status of Natural Hazards in Himachal Pradesh”, CUHP, TAB Shahpur.
12. **Kumar, P.** and Singh, V. Seabuckthorn (*Hippophae* spp. L): A potential crop for biodiversity conservation and sustainable livelihood in trans Himalaya. National Conference. 20-21 March ICHE-2014
13. **Kumar, P.** Seabuckthorn plantation a promising strategy for biodiversity conservation in cold arid Tans-Himalaya. National conference Biodiversity conservation and pollution control- challenges and strategies. 9-10 March 2016. University of Jammu.
14. **Kumar, P.** and Mahajan, A.K. **(2017).** Current application of geophysical method for landfill site characterization: Detection of fractured and low velocity zone using MASW method in the Kangra valley. National seminar emerging trends in the environmental sciences and technology. 24th August 2017.
15. Sharma M, Butail NP, **Kumar P** and Soni S **(2021)** Hi Tech Horticulture: Food security and income for farmer’s prosperity. 6th National Youth Convention. ID NYC-HORT-P6: p 135.

Participated in workshop, conference, seminar, training and webinar (27)

Conference/seminar (4)

16. National Seminar on Nanoschool: Emerging Technique, Nobel and Innovative strategies. 24-25 Sept. 2011. National Conference on “Recent Advances in Technology and Environmental Issues”. 22-24 Feb. 2012.
17. Kumar P, Kumar P, Satpal (2013). Environmental quality and social justice need emphasis on moral, religious and spiritual education, Two days national seminar on “Reforms in education system with special reference to youth and teacher for social and national development”, National college of Education, Sirsa, Haryana. 16-17 March 2013.
18. Pardeep Kumar, AK Shukla, Pratibha Thakur, Devanshi Baghla, Munish Kumar & Praveen Kumar. (2022) Global Summit on Environmental Science and Applications. 21 - 23 Apr 2022. Radisson Narita, Tokyo, Japan

Workshop (7)

19. Two day **workshop** on Educational Journalism. Manohar memorial college of Education, Haryana. 17th and 18th May 2013.
20. **Three days workshop** on “Youth and climate change in the Indian Himalayan region (IHR)”, GB Pant Institute of Himalayan Environment and Development, Himachal Unit, Mohal-Kullu, Himachal Pradesh. 01-03 December, 2014.
21. One day National **workshop** on “Writing Research Paper”, Central University of Himachal Pradesh, TAB, Shahpur, Kangra. 18-19 December 2014.
22. **National workshop. 2014.** Application of multichannel analysis of surface waves (MASW) for site characterization in earthquake prone area on status of natural hazards in the Himachal Pradesh
23. **National workshop** popularization of remote sensing based maps and geospatial information. Jointly organized by **ISRS and ISRO**. August 11, 2017.
24. Two days National **workshop** on “Biodiversity and Climate” Department of Plant Sciences, Central University of Himachal Pradesh, India. 25-26 February 2019.
25. Two day National **workshop** on Disaster Management to Mark 1905 Kangra Earthquake (DMKEA 1905) 3-4th April 2019.

Training (5)

26. **Fourteen-day training** for AICRP on *Geospatial Modelling in Agricultural/Soil Resource Management*. at ICAR-IISS, Bhopal, 18/10/2021-31/10/2021.
27. **Seven day GIS training** for preparing geospatial maps of micronutrients at ICAR-IISS (Indian Institute of Soil Science), Bhopal, 15/07/2019-22/07/2019.
28. **Training** on ground penetrating Radar with theory, Data Acquisition and data processing/interpretation. December 28, 2016.

29. **Five days workshop** on “**ERDAS and Geomedia-Remote sensing & GIS Software**”, conducted by SCIENCE, Dehradun in collaboration with Intergraph at Department of Environmental Sciences, Central University of Himachal Pradesh, Dharamshala, Himachal Pradesh. 24-28 February **2014**.
30. **Training** on subsurface utility engineering organized by Aqua Foundation Academy in April 12th,2014 at New Delhi

Webinar

Participated in webinars organized by NIDM: **Total number: 11**

As Organizer

1. National Seminar Seabuckthorn: Emerging Trends in Production to Consumption February 16-18, 2010.
2. National Seminar “Emerging trends in Environmental Science and Technology” 24th August 2017.
3. Earth day celebration 22th April 2015 CUHP, TAB Shahpur.

Awards

1. Kanwar Virender Singh Memorial “All India Best Publication Award Winners 2021” Society for the Advancement of Human and Nature (SADHNA)
2. 2nd Best Poster award in National seminar emerging trends in the environmental sciences and technology. 24th August 2017

Membership

Life member of Ecological Society of India

It is to be declared that the above-mentioned information is true to the best of my knowledge and belief.

Date: 04/04/2023

Place: Palampur (HP)



Praveen Kumar