

Name : Prof Ambrish Kumar Mahajan

Department of Geology

School of Earth and Environmental Sciences



GENERAL INFORMATION AND ACADEMIC BACKGROUND

1.	Name (in Block Letters)	:	Ambrish Kumar Mahajan
2.	Category	:	General
3.	Father's Name (in Block Letters)	:	Late Sh Kishore Chand Mahajan
4.	Mother's Name (in Block Letters)	:	Smt Raj Kumari Mahajan
5.	Date of Birth and Age	:	10-10-1961
6.	Gender	:	Male
7.	Nationality	:	Indian
8.	Category (SC/ST/OBC/General)	:	General
9.	Current Designation	:	Professor and Dean Students welfare, Dean, SOEES, Director, IQAC and Chief Vigilance commissioner
10.	Current Pay Scale & Grade Pay	:	
11.	Date of Confirmation of Present Post	:	
12.	Date of Initial Appointment and Stage with Pay Scale at CUHP	:	
13.	Position, Stage and Grade Pay applied for	:	Dean School of Earth and Environmental Sciences, Dean Life Sciences and Director CBB
14.	Date of Last Promotion	:	NA
15.	Date of Eligibility for Promotion	:	
16.	Address for correspondence (with Pin Code)	:	Lower Shyam Nagar, P.O. Dharamshala Distt. Kangra- (176215) Himachal Pradesh
17.	Permanent Address (with Pin Code)	:	148/1/ Engineers Enclave, GMS Road, Dehradun-248001
18.	Mobile Telephone Number	:	9418648086
19.	Landline Telephone Number (with code)	:	01892-222083
20.	E-Mail ID	:	akmahajan@rediffmail.com ; akmahajan@hpcu.ac.in

21. Academic Qualifications (Graduation onwards):

Qualifications	College / University	Year of Passing	Marks Obtained /Out of Or CGPA Grade	Class with Percentage
Graduate Degree (UG)	H.P. University Shimla	1981	361/600	60.1%
Post Graduate Degree (PG)	University of Jammu	1983	1665/2400	69.37%

Ph.D./D.Phil.	Panjab University Chandigarh	1993	----	---
Other Degrees (if any)	P.G. Diploma in Disaster Management	1998	83%	5/6 grade
Post Doc Fellowship	Disaster Management	2003	Int. Institute for Geo information and Earth Observations (ITC), the Netherlands	

22. Record of academic service prior to joining The Central University of Himachal Pradesh (Please attach relevant certificates of service experience)

Employment details (in chronological order starting with the first job)						
	Name and address of employer/institution	Designation of post held	From	To	scale of pay	Nature of work and responsibilities
1	Wadia Institute of Himalayan Geology (WIHG), Dehra Dun	Scientist 'E' (Direct Recruitment) On lien to CUHP since Feb 2013	June 2013	Onward	37,400 – 67000 + 8700/- GP	Seismic Microzonation and subsurface studies using geophysical methods
2	Wadia Institute of Himalayan Geology (WIHG), Dehra Dun	Scientist 'D'	13 th August, 2007	June 2013	15600-39100 /- 7600 GP With four advanced increments (Direct Recruitment	Seismic microzonation studies and development of methodology for seismic Microzonation
3	Wadia Institute of Himalayan Geology (WIHG), Dehra Dun	Scientist 'C' (Direct Recruitment)	November 2002	August 2007	10000-325-15200	Established the methodology on seismic microzonation
4	Wadia Institute of Himalayan Geology(WIHG), Dehra Dun	Scientist 'B'	July, 1988	Nov. 2022	8000-275-13500	Research work related to seismic hazard, macroseismic investigations
5	Naddi Seismological Observatory, Dharamshala, a Unit of Wadia Institute of Himalayan Geology(WIHG),	Scientist 'B' and In-charge (Kangra seismic Network)	Nov.1993	Nov. 1998	8000-275-13500	To establish the seismic network in Himachal region and develop Seismological centre at Naddi
6	Wadia Institute of Himalayan Geology(WIHG), Dehra Dun	Sr. Research Assistant	7-07-1985	1.11. 88	6500-200-7999 (Under DST sponsored project)	Research work
7	HPKV, Palampur, Dist. Kangra, H.P	Research Fellow	24-4-84	3-07-85	700-1600 Salary was (700/ fixed)	Research work related to Beas-Sutlej Link project

23. Post-Doctoral Research experience as research scientist, research associate etc. (in yrs) : 29 yrs 10 months

24. Record of service in the Central University of Himachal Pradesh from Date of joining as regular teacher

(10 years' Professorship or equivalent as per UGC Regulations on Minimum Qualifications for Appointment of Teachers and other Academic Staff in Universities and Colleges and Measures for Maintenance of Standards in Higher Education 2018 and subsequent modifications)

S.No	Post Held	Pay held	Organisation	Nature of duties	Experience (in years and Months)
1	Secretary to Vice Chancellor		CUHP	To maintain vigilance for zero tolerance towards corruption	September 2022 to continue
2	Dean Student Welfare	-----	CUHP	To support student for their welfare	September 2022 to continue
3	Director, IQAC CUHP	---do---	---do---	To prepare and submit NIRF data, AQAR data since 2017-18 and suggesting administrative and academic reforms to HVC	September 2020 –still continuing
4	Chief Vigilance Officer	--do--	---do---	Vigilance related activities to report Chief Vigilance Commissioner, Govt. of India	September 2022 onward- to continue
5	Dean, School of Earth and Environmental Sciences	187200 0/- basic pay as in January 2023	Central University of Himachal Pradesh	Teaching and Administration	20.01.2022 to continue till July 2024 20-01-2020 to August 2020
6	HOD Environmental Sciences		Central University of Himachal Pradesh	Teaching and Administration	20.01. 2022 to continue till July 2024 20-01-2020 to August 2020
7.	Dean, School of Earth and Environmental Sciences	As mentioned above	---do--	Academic and Administrative	28 Feb 2013 to 28 th Feb. 2016 and then from 15 January 2020 to—Continue = 4 years 05 months
8.	Dean, School of Life Sciences		----do----	Academic and Administrative	28 Feb 2013 to 28 th Feb. 2016 and then from June 2016 to 9 th September 2019 to—Continue = 4 years 05 months
9	HOD Environmental Sciences	--do---	-----do--- --	Academic and Administrative	28 Feb 2013 to 28 th Feb. 2016 and then from 15 th January 2020 to-Continue Total = 4 years 05 months
10	Director, Computational Biology and Bio-informatics (CBB)	---do---	----do-----	Academic and Administrative	28 Feb 2013 to 9 th September 2019 = 06 years 07 month
11	Finance officer (additional Charge)	----do--- -	----do---	Financial administration including budget preparation, allocation of funds, auditing, purchase, salary and pension etc	5 th May 2019 to 1 st February 2020 = Total experience= 10 Month
12	Professor	144800 0/- basic pay as on that day	Central University of Himachal Pradesh	Teaching and Administration	26 Feb 2013 to continue = 08 years 04 months

25. Teaching Experience: **P.G. Classes (in Years)** : ten yrs Period: From 26th Feb 2013 to 26.2.2023
PhD course work: **Ten yrs** Period from **–Feb 2013** to **Feb 2023**
U.G. Classes (in Years) : **NIL** Period from **NIL** to **NIL**

a. Research Experience (excluding MPhil/PhD duration)

i. Total Number of years : **29 yrs 10 months**

: Period: Date from April 1993 to Feb 2023

a) Years spent in Ph.D.

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Period of Ph.D		Name of Institute/ University	Research Topic (Dissertation)	Date of Notification of result conferring the degree	Encl. No.
From	To				
(1)	(2)	(3)	(4)	(5)	(6)
1988	1993	PU Chandigarh	Seismotectonic activity of the Dharamsala-Palampur area in relation to Neotectonics	22.12.88 to 24.3.1993	Degree certificate

ii. Years of Guiding Ph.D. / M. Phil. : Ten yrs as on 26.2.23

iii. (a) Total No. of papers Published: i International Journals 44

1. National Journals 35
2. State level Journals -----
3. Total 79
4. Publication since 2013 : 32

(Not Abstract but Full paper only)

(b) List of ten best publications published in the last ten years to be considered for assessment

S. No.	Title of the article	Journal Name	Volume	Issue	Page	Impact factor
1	P Kumar, AK Mahajan , M Sharma, 2022. Site effect assessment and vulnerability analysis using multi-geophysical methods for Kangra city, NW Himalaya, India	Journal of Earth System Science	132	(1)	1-13	1.912
2	AK Mahajan, S Sharma, S Patial, H Sharma, DD Pandey, S Negi 2022. A brief address of the causal factors, mechanisms, and the effects of a major landslide in Kangra valley, North-Western Himalaya, India	Arabian Journal of Geosciences,	15	(9)	1-12	1.827
3	Kumar P and Mahajan A.K., 2021. 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 DOI: 10.1007/s12665-020-09000-8	79	(11)		2.180
4	Mahajan A.K. Kumar P and Pawan Kumar 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 (2021) https://doi.org/10.1007/s12517-021-07136-w	14:826			1.827
5	Swati Sharma and Mahajan A. K GIS-based sub-watershed prioritization through morphometric analysis in the outer Himalayan region of India	Applied Water Science (2020) 10:163	https://doi.org/10.1007/s13201-020-01243-x	--	---	4.4
6	Pawan Kumar and Mahajan A.K. Trophic status and its regulating factor determination at the Rewalsar Lake, northwest Himalaya (HP), India, based on selected parameters and multivariate statistical analysis Received: 13 March 2020 /	SN Appl. Sci. 2, 1266 (2020). https://doi.org/10.1007/s42452-020-3082-8	2	1266		4.198

	Accepted: 16 June 2020					
7	Mahajan A.K. Kumar P. and Pawan Kumar, 2020. Subsurface site characterization of Donga Fan, Northwest Himalaya using multichannel analysis of surface waves and response analysis	Current Science, 25 DECEMBER 2020	VOL. 119, NO. 12			1.102
8	Kumar, P. Mahajan A. K. and Kumar, A. 2020. Correction to: Groundwater geochemical facies: implications of rock-water interaction at the Chamba city (HP), northwest Himalaya, India.	Environmental Science and Pollution Research, https://doi.org/10.1007/s11356-020-08060-4 .	1-1			2.194
10	Mahajan A. K. & Kumar, P. 2018. Site characterization in 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. <i>Near Surface Geophysics</i> , 2018,.	<i>Near Surface Geophysics</i>	16		314-327	IF 1.186
11	Sharma S, Mahajan AK 2018. A Comparative Assessment of Information Value (In V), Frequency Ratio (FR) and Analytical Hierarchy Process (AHP) Models for Landslide Susceptibility Mapping of a Himalayan Watershed, India.	Bull. of Engineering Geology and Environment. /	doi.org/10.1007/s10064-018-1259-9			4.281
12	Bungum, H., Lindholm, C.D. and Mahajan, A.K. 2017. Earthquake recurrence in NW and central Himalaya. <i>Journal of Asian Earth Sciences</i> ,	<i>Journal of Asian Earth Sciences</i>	138	1 May 2017	25-37	2.905
13	Nath S.K., Thingbaijam K.K.S., Adhikari M.D., Nayak, A., Devaraj N., Ghosh S.K. and Mahajan A.K. , Topographic gradient based site characterization in India complemented by strong ground-motion spectral attributes. <i>Soil Dynamics and Earthquake Engineering</i> .	<i>Soil Dynamics and Earthquake Engineering</i>	55	(2013),	233–246	1.906
14	Mahajan A.K. 2018. Applications of two-dimensional seismic Tomography for subsurface cavity and dissolution features detection under Doon valley, NW Himalaya.	Current Science	115	5	962-969.	1.102

26. List of Invited seminars and workshop attended and presented during last ten years-as invited

S.No.	Date	Title of Conference or Institution	Title/Subject of presentation (if made)
1	02.01.2023	Training Programme on “Engaging Youth & Adolescents in Disaster Risk Management & Climate Change Adaptation” (02 - 06 January, 2023)	Delivered an invited talk on Natural Hazard with focus on Kangra region
2	18.02.2023	Workshop on "Findings of National Aquifer Mapping (NAQIIM) Studies and Implementation of Management Plans for Water Sustainability".	Applications of seismic methods in identification of subsurface water bodies –a case study from Dehradun
3	23 .09.2022	National Conference on Air, water and soil 23-24 September 2022 at JC Bose University of Science and Technology, YMCA Faridabad	As chairman of the session and presented a paper on “Applications of Ambient noise measurements in understanding landslide directional behaviour”
4	15.9.2022	National Conference by IQAC Vidyasagar college for women invited talk	IQAC presentation for SSR preparation on 15.09.2022
5	21.12.2021	Training program on Local Ground water Management issues and ground water resource management 2020	Ground water issues in Himachal and its identification of springs and their rejuvenation

6	13.12.2022	Faculty Induction Programme being organized by the UGC-Human Resource Development Centre, University of Jammu in collaboration with the Department of Electronics, University of Jammu during November 14 to December 10, 2022	Disaster Management
7	3-11-2022	Request for delivering a lecture on any topic related to Local groundwater management issues-reg.	Local Ground water issues and their identifications of springs using geophysical methods
8	20.10.2021	3rd Refresher Course in Geography beginning from October 18th - November 1, 2021	<i>Understanding Geomorphology of the Himalayas</i>
9	4-6 April 2019	National Workshop On “Disaster Management To Commemorate 1905 Kangra Earthquake” (DMKEA 1905)	Seismic Microzonation of Kangra Valley- what we need to understand to build structure- sustainable development 4th April, 2019
10	4-6 April 2019	National Workshop On “Disaster Management To Commemorate 1905 Kangra Earthquake” (DMKEA 1905)	Resilience infrastructure in Himalayan region- a need or luxury- on 4 th April, 2019
11	19.1.2019- 2.2.2019	World conference on Disaster Management , IIT Mumbai	Resilience infrastructure in Himalayan region- a need or luxury
12	11.01.2019	Workshop on	Himalayan seismic risk and disaster risk reduction- a challenge
13	3-4 October 2019	Workshop on Challenges of Disaster risk reduction in Hilly towns	Disaster managements in Kangra region
14	29 th January to 1 February 2019	World congress on Disaster Management 2019 (WCDM) to be held at Mumbai from 29th January to 1st February.	Delivered an invited talk on the topic Resilient Infrastructure in Himalayan region- a need, not a luxury
15	11-12 January 2019	Two days International Conference on “Recent Advances on Interdisciplinary Sciences” to be held in the University of Jammu from 11th to 12th January 2019” .	Delivered an invited talk on Himalayan seismic Risk and disaster risk reduction- a challenge
16	09.03.2016	National Conference on “Biodiversity Conservation and Pollution Control- Challenges and Strategies”, organized by Department of Environmental Sciences, University of Jammu, March 9-10, 2016	Delivered an invited on Natural Hazard and its remedial measures in Jammu region
17	4-5 th June 2016	National Seminar on Environmental Pollution on the eve of observance of world Environment Day- 2016	Invited for delivering invited talk to be delivered at Kashmir University on 4-5 June on Environmental Pollution
18	23 rd May 2016	Kashmir University, Srinagar on 23 rd May, 2016.	Delivered two Guest lectures on 1) Plate tectonics and 2) Earth Surface processes
19	11-13 December, 2014	15th Symposium on Earthquake Engineering held at Indian Institute of Technology, Roorkee December 11-13, 2014 M.L. Sharma and Manish Shrikhande (edited) vol. 1, 62-73. ISBN: 978-81-88901-59-3.	A.K. Mahajan, 2014. “Applications of Multi-channel Analysis of surface Waves in site Characterisation and detecting subsurface anomalies
20	6-8 November, 2014	National Workshop on Status of Natural Hazard in Himachal Pradesh from 6-8 November, 2014 at Central University of Himachal Pradesh, page 26	A.K. Mahajan and Praveen Kumar, 2014. “ Applications of Multichannel analysis of surface waves (MASW) for site amplification in earthquake prone regions
21	6-8 November, 2014	National Workshop on Status of Natural Hazard in Himachal Pradesh from 6-8 November, 2014 at Central University of Himachal Pradesh, page 31.	Swati Sharma, Aditya Awasthi and A.K. Mahajan, 2014, “Geotechnical investigations of shallow rotational landslide at Tira Line for Hazard assessment

22	6-8 November, 2014	National Workshop on Status of Natural Hazard in Himachal Pradesh from 6-8 November, 2014 at Central University of Himachal Pradesh, page 15	Pooja Rajpur and A.K. Mahajan, 2014, "Damagae scenario of 1905 Kangra earthquake if it will repeat in near future using deterministic approach.
23	March 24-25, 2014	National Conference on "Environmental Issues, Concerns and solutions (EICS-2014 from March 24-25, 2014 organized by Department of Environmental sciences of Jammu, Jammu on 25 th March 2014.	Delivered a Key note talk on " Application of Environmental Geophysics in dealing with environmental issues "
24	March 24-25, 2014	National Conference on "Environmental Issues, Concerns and solutions (EICS-2014 from March 24-25, 2014 organized by Department of Environmental sciences of Jammu, Jammu.	Chairman of the technical session " Environmental Pollution: Prevention and Control on 25th March, 2014 "
25	Feb.13-14, 2014	2 nd India-Norway joint Workshop held at Prithvi Bhawan, MoES during Feb.13-14, 2014.	Invited for delivering a Talk on " Applications of active and passive Multichannel analysis of surface waves for subsurface characterisation "
26	20-21 st March, 2014	Two days national seminar on Implications of Climate change on Himalayan Environment organized at Central University of Himachal Pradesh in collaboration with Wadia Institute of Himalayan Geology, from 20-21 st March, 2014.	Delivered a talk on use of " Environmental Geophysics for near surface studies "
27	16-17 June, 2013.	Indian Geophysical Union workshop organized by Wadia Institute of Himalayan Geology, Dehra Dun in 16-17 June, 2013.	Delivered invited talk on Sub-surface site characterization and its environmental and engineering implication using multichannel analysis of surface waves

27. Origination of workshops in the University

2-6 January 2023	Organisation of Training Programme on "Engaging Youth & Adolescents in Disaster Risk Management & Climate Change Adaptation" (02 - 06 January, 2023)	Workshop organisation in association with NIDM
22 nd April 2022	Organized Earth day on 22 nd April, 2022 at School of Earth and Environmental Sciences, CUHP, TAB Shahpur, <i>funded by CUHP.</i>	Central University of Himachal Pradesh
25.01.2022	Organisation of One day Webinar On The Occasion of Foundation day celebrations of Central University of Himachal Pradesh on 25.01.2022	AWARENESS ON DRUG ADDICTION AMONG YOUTH link meet.google.com/mbs-btrv-hyr
25-26 Feb 2019	Conducted a workshop on a two days National workshop on " Biodiversity and Climate " with a motive to update the knowledge's of MSC students who are studying in MSC (Botany)- 25 th /26 th February, 2019	To benefit MSC students of Botany
4-6 April, 2019	Organisation of National Workshop On "Disaster Management To Commemorate 1905 Kangra Earthquake" (DMKEA 1905) in collaboration with state disaster management authority and council of Sciences and Technology	Organisation of National Workshop at CUHP in 2019 with funding from State Council of Science sand Technology

27 th January, 2015 to 2 nd February- 2015.	Organized three days training program on Microtremor system at CUHP campus where five Msc students and RD scholars of Department of Environmental Sciences, School of Earth and Environmental Sciences from 27 th January, 2015 to 2 nd February- 2015- <i>provided by the company.</i>	Central University of Himachal Pradesh
4 th February 2015	Organized Second Phase of Pan-India Debating Competition of Indian geological Congress on 4 th February 2015 as regional coordinator” <i>funded and organized in coordination with Indian Geological Congress and Ministry of Earth Sciences.</i>	Central University of Himachal Pradesh
November 8 th , 2014	Organized one day stake holder workshop on 8 th November in coordination with Ministry of earthquake Science, Rotary Club Kangra and Himachal Pradesh state Government, <i>funded by Ministry of Earth Sciences.</i>	Central University of Himachal Pradesh
7 th November, 2014	Organized Group monitoring committee meeting of Ministry of Earth Sciences for Natural Hazards on 7 th November, 2014, <i>funded by Ministry of Earth Sciences.</i>	Central University of Himachal Pradesh
November 6-7, 2014	Organized as a Chairman and organizing secretary, Nation Workshop on “Status of Natural Hazards in Himachal Pradesh (NHHP-14) on November 6-7, 2014”, <i>funded by Ministry of Earth Sciences.</i>	Central University of Himachal Pradesh
June 2014	Organized one week training programme on Remote sensing and GIS with the help of Geomedia at CUHP campus for the benefit of MSc. Students, <i>funded by software provider.</i>	Central University of Himachal Pradesh
24-28 February, 2014.	Organized five days training workshop on Remote sensing and GIS to the students and faculty of Department of Environmental Sciences, School of Earth and Environmental Sciences from 24-28 February, 2014, <i>funded by software provider.</i>	Central University of Himachal Pradesh
22 nd April 2014	Organized Earth day on 22 nd April, 2014 at School of Earth and Environmental Sciences, CUHP, TAB Shahpur, <i>funded by CUHP.</i>	Central University of Himachal Pradesh
22 nd April 2013	Organized Earth day on 22 nd April, 2013 at School of Earth and Environmental Sciences, CUHP, TAB Shahpur, <i>funded by CUHP.</i>	Central University of Himachal Pradesh

28. National : Attended 27 attended and papers presented 25 (

29. Invited talks : Attended 27 attended and papers presented 23

30. Awards /Prizes/Honours/Recognitions :

National Geoscience awards 2017 conferred on 16 May 2018 by President of India
Member Research Project review committee ICSSR for review of research projects from 29-31 January 2023
Member Enquiry regarding collapse of Railway Bridge over the Chakki River- inspection on 16-09-2022

Member Review committee to review the progress of the Geophysical and Geotechnical investigations of 04 (four) cities under the project “Seismic Microzonation of 30 cities of India’ by NCS-MoES by Ministry of Earth Sciences, Govt, of India vide order no. MoES/P.O. (seismo)/8/(12)/2012 (microzonation).
Member, Bureau of Indian Standards for developing the methodology of seismic microzonation with reference no. CED 39/ISO/TC98/SC 3 3o May 2016 --- still continue
Member coordinator, Peer Team for accreditation of Government Degree College for women, GADWAL, Jogulamba-509125 -6-7 April, 2022
Member coordinator, NAAC for visit to Govt. S.K. College Mauganj, Rewa, Madhya Pradesh from 24-25 July 2019
Member NAAC committee to Delhi University, Delhi 29-31 October, 2018
Member review core committee, Govt. of India on the direction of Hon’ble Supreme court dt 16/9/2016 to review the implementation of court order dt 18/12/2013 regarding education of awareness of environmental and its problems related to pollutions should be taught as compulsory subject in different universities and colleges dt 22/9/16.
Member committee of experts constituted by Deputy commissioner Kangra on the behest of Hon’ble High Court Shimla to look after the reason for collapse of Kandrori Bridge over Chhonchh Khad on Indora_Damtal Road, Distt Kangra
Member NAAC committee to Pariyar Maniammai Institute of Science and Technology University, Thanjavor, Chennai 2-5 th November 2015.
Member NAAC committee to Veer Surendra Sai University of Technology (formerly University College of Engineering), Orisha, 11-16 January 2016
Member Executive council Indian Geological Congress for two years since 2016.

31 Fields of Specialization in the Subject/Discipline a) Seismic hazard, landslide hazards and disaster Management

32 Orientation/Refresher Course attended (Only UGC Recognized): (Attach certificates); **Not applicable**

33. Your vision for the Department / School:

To develop the department as one of the renowned research departments in the field of Environmental sciences with focus on pollution research, waste management, and center for resolving issues related to natural hazards.

34. Your contribution to the Department /School/Discipline and University:

I joined the University in Feb 2013 and immediately celebrated Earth day 2013 for the first time at the University. After that, I started developing two departments, i.e. Environmental Science and Computational Biology and Bio-informatics. I have purchased state-of-the-art instruments like HPLC, Ion Chromatograph, Spectrophotometer, and small equipment to cater to the environmental students' daily needs and developed a state-of-the-art remote sensing and GIS lab with ten computers and licensed software of ERDAS and GIS. The facility generated enabled students to pursue their research in an active mode. Signed an MOU with IHBT for collaborative research work in the environmental sciences and computational biology; this MOU helped the student use their lab for their practical experiments and MSc dissertation work. The CBB center was equipped with 30 Unit computers for M.Sc classes, and 15 workstations were purchased for conducting computational biology and bioinformatics research, enabling state-of-the-art research from the CBB center and environmental departments. These two departments released a total of 153 publications from 2013-2016.

I have organized several environmental sciences workshops with funding support from DST and Govt. of India and organized two PAMC meetings on behalf of the Department of Sciences and Technology at CUHP. The list of workshops conducted and meeting conducted are listed in item 27. This has given significant exposure to students in the field of research.

Opened two new departments i.e. department of plant Sciences and department of Animal Sciences in 2017 with its classes from Dehra campus, developed curriculum and course content with external experts.

Also got approved the department of Geology and its curriculum was developed but its classes could not be started. Presently got approved the diploma course in Disaster management as value added course to be started from next academic years.

Worked in different positions in the University as listed at

35. Future Academic Development Plan for self as well as Department /School:

The department of environmental sciences has attained landmark in its research publication and facilities for laboratory experimentation. Presently the experiment and field oriented courses have been added into the curriculum. Most of the courses are designed to provide skill and entrepreneurship development of the student. A new diploma in Disaster Management has been introduced, which will be started from next academics session. All faculty members have sponsored project which is the outcome of encouragements not only for attending conferences in India but also to visit abroad in relation to their professional development. A department of Geology has also been approved and its curriculum has been developed- to be started for the coming academic years. A detail FIST proposal has been drafted to be sent to DST for funding. Although it has been tried last years as well but due to space constraints the approval could not be obtained. In the coming years the department of Geography and center of climate change and waste management will also be opened which have very high relevance and job oriented courses in today's changing climate changes and geographical scenario.

36. Any other relevant information highlighting the significant academic achievements in the last ten years (supporting documents to be enclosed):

Organization of various workshop/seminars during the ten years' time by getting funds from state and central Government

Establishments of Environmental Sciences lab with high tech instruments like

- Introduction of Environmental Geophysics as one of the subject and provided two field in the Environmental Sciences i.e. physical and biological discipline related to environment.
- Remote sensing and GIS lab
- Establishment of HPLC
- Establishment of Ion Chromatograph
- Equipped the lab with geophysical instruments for geophysical investigations and more than 200 students have been trained in the handling these instruments and complete their project using these instruments which became helpful for them to undergo Ph.D program and getting placement outside.
- Equipped the lab with chemical.
- Various small equipment's required for practical training of M.Sc students.
- Promoted young researcher for visit abroad and three faculty members visited abroad during my tenure.
- Organized number of field practical experimentation teaching to students

1. Research Papers in Peer-Reviewed or UGC listed Journals published during the assessment period- only fifteen publication are shown out of 32 and marks for **ten publications are **191.6-annexure VII****

Sr. No.	Title of the research Paper	Name of the Journal	Vol., PP No. & Year	IF	Number of authors	Type of Authorship (First author/corresponding author/principal/co-author)	Claim ed Score	Verif ied by the com mitte e	Enc l. No.
1	Sharma S, Mahajan AK 2018. A Comparative Assessment of Information Value (In V), Frequency Ratio (FR) and Analytical Hierarchy Process (AHP) Models for Landslide Susceptibility Mapping of a Himalayan Watershed, India.	Bull. of Engineering Geology and Environment	doi.org/10.1007/s10064-018-1259-9	4.281	Two	Equal	20+12=32x 70%=22.4	22.4	4.298
2	AK Mahajan, S Sharma, S Patial, H Sharma, DD Pandey, S Negi 2022. A brief address of the causal factors, mechanisms, and the effects of a major landslide in Kangra valley, North-Western Himalaya, India	Arabian Journal of Geosciences,	15 (9) 1-12	1.827	six	First	27X 70%= 18	18	Article
3	Mahajan A.K. Kumar P and Pawan Kumar 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 (2021)	14:826 https://doi.org/10.1007/s12517-021-07136-w	1.827	three	First	18	18	Do-
4	Mahajan A. K. & Kumar, P. 2018. Site characterisation in 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. <i>Near Surface Geophysics</i> , 2018,.	<i>Near Surface Geophysics</i>	16 (314-327)	2.15	Two	First	32 x70%=22.4	22.4	--do
5	Mahajan A.K. 2018. Applications of two-dimensional seismic Tomography for subsurface cavity and dissolution features detection under Doon valley, NW Himalaya.	Current Science	115 (5) : 962-969	0.756	single	First	20	20	--do--
6	Bungum, H., Lindholm, C.D. and Mahajan, A.K. 2017. Earthquake recurrence in NW and central Himalaya. <i>Journal of Asian Earth Sciences</i> , 138:25-37.	Journal of Asian Earth Sciences	Vol 138, 1 May 2017, Pages 25-37	2.905	Three	Third	12+20= 32 * 30%=9.6	9.6	---do--
7	Pawan Kumar and Mahajan A.K. 2020. Trophic status and its regulating factor determination at the Rewalsar Lake, northwest Himalaya (HP), India, based on selected	<i>SN Appl. Sci.</i> 2, 1266 (2020).	2: 1266 https://doi.org/10.1007/s42452-020-3082-8	2.11	Two	Equal	32 x 70%= 22.4	22.4	--do--

	parameters and multivariate statistical analysis Received: 13 March 2020 / Accepted: 16 June 2020								
8	Mahajan A.K. Kumar P. and Pawan Kumar, 2020. Subsurface site characterization of Donga Fan, Northwest Himalaya using multichannel analysis of surface waves and response analysis	Current Science, 25 DECEMBER 2020	VOL. 119, NO. 12	0.756	three	First	20x 70%= 14	14	---do--
9	Kumar P and Mahajan A.K., 2021. 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 (11) DOI: 10.1007/s12665-020-09000-8	2.180	two	Equal	32 x 70%= 22.4	22.4	---do--
10	Swati Sharma and Mahajan A.K. 2020. GIS-based sub-watershed prioritization through morphometric analysis in the outer Himalayan region of India	Applied Water Science (2020) 10:163	https://doi.org/10.1007/s13201-020-01243-x	4.4	Two	Equal	32 x 70%= 22.4	22.4	--do---
Total Marks out of ten publication:								191.6	
Other 22 publication of the last ten years period as Professor									
11	Kumar, P. Mahajan A. K. and Kumar, A. 2020. Correction to: Groundwater geochemical facie: implications of rock-water interaction at the Chamba city (HP), northwest Himalaya, India.	Environmental Science and Pollution Research	1-1 https://doi.org/10.1007/s11356-020-08060-4	2.194	three	second	32 x 30%= 9.6	9.6	--d0---
12	Nath S.K., Thingbaijam K.K.S., Adhikari M.D., Nayak A., Devaraj N., Ghosh S.K. and Mahajan A.K. 2013. Topographic gradient based site characterization in India complemented by strong ground-motion spectral attributes. Soil Dynamics and Earthquake Engineering .	Soil Dynamics and Earthquake Engineering	55: 233-246	4.722	seven	multiple	32x 30%= 9.6	9.6	--do--
13	P Kumar, AK Mahajan, M Sharma, 2022. Site effect assessment and vulnerability analysis using multi-geophysical methods for Kangra city, NW Himalaya, India	Journal of Earth System Science	132 (1): 1-13	1.912	Three	second	25 x 30%= 7.5	7.5	--do--
14	P Kumar, AK Mahajan, M Sharma, 2022. Site effect assessment and vulnerability analysis using multi-geophysical methods for Kangra city, NW Himalaya, India	Journal of Earth System Science	132	(1)	1-13	1.912	25 x 30= 7.5	7.5	---do--

*Impact factor to be determined as per Thomson Reuters list.

2. Publications in Books (other than Research papers): **Not applicable**

3. Creation of ICT mediated Teaching Learning pedagogy and content and development of new and innovative courses and curricula. **Not applicable**

4. **(a) Research Guidance**

1) Ph.D. awarded / Thesis submitted*

Attached as Annexure -VII

Sr. No.	Name of the Scholar	Title of the Thesis	Awarded / Thesis submitted	University	Month and Year	Claimed Score	Verified by the committee	Encl. No.
1	Pooja Rajput		Awarded	Grahwal University	2016	10		Copy of certificate
2	Pawan Kumar		Awarded	CUHP	2019	10		Copy of certificate
3	Swati Sharma		Awarded	CUHP	2020	10		Copy of certificate
4	Parveen Kumar		Awarded	CUHP	2020	10		Copy of certificate
Total Score for Ph.D Guidance						40		

* Submit Ph.D. Notification/Certificate of Submission

2) M.Sc Dissertation research Guidance –Annexure-VIII

S.No.	Name	Registration No.	Title	Award year	Claimed Score	Verified by the committee
1	Stuti Nagpal	CUHP13ENV24	Geophysical techniques for sub-surface characterization	2015	02	
2	Ritu Chaudhary	CUHP13ENV20	Application of MASW and Microtremor for sub-surface studies	2015	02	
3	Deepika Mahant	CUHP13ENV04	Application of multi-channel analysis of sub surface waves(MASW) & Microtremor technique for sub-surface studies	2015	02	
4	Kuldeep	CUHP13ENV08	Application of multi-channel analysis of sub surface waves(MASW) & Microtremor technique for sub-surface studies	2015	02	
5	Nancy Pathania	CUHP13ENV12	Application of MASW and Microtremor for site amplification studies	2015	02	
6	Poonam Bala	CUHP14ENV11	Practical exposure to geophysical technique: Application of microtremor (ReMi) in subsurface characterization	2016	02	
7	Shivani	CUHP14ENV20	Practical exposure to geophysical technique: Application of microtremor (ReMi) in subsurface characterization	2016	02	

8	Sunali Sharma	CUHP14ENV24	Statistical analysis of Earthquake hazard for Gharwal Region and shallow subsurface investigation using multichannel analysis of sub surface waves- a practical exposure	2016	02	
9	Aditi Dogra	CUHP15ENV01	Application of multichannel analysis of surface waves	2017	02	
10	Shabnam	CUHP15ENV24	Statistical Analysis of Earthquake data for Himachal Pradesh with special reference to Kangra Valley	2017	02	
11	Kajal Pathania	CUHP15ENV08	To find H/V graph using refraction microtremor(ReMi)	2017	02	
12	Sugandha	CUHP15ENV28	Subsurface characterization using active seismic method-results from Gaj Fan sediments , Knagra Valley.	2017	02	
13	Diksha Jasrotia	CUHP16ENV05	Vulnerability analysis of building along different geological formations in Kangra Valley NW Himalaya	2018	02	
14	Neha Nagpal	CUHP16ENV14	GIS mapping of birds diversity in the foothill region of Dhauladhar mountain ,NW Himalaya, India	2018	02	
15	Neha Thakur	CUHP17ENV08	Understanding GIS and its application in seismic hazard studies of NW-Himalaya	2019	02	
16	Ritika Sharma	CUHP17ENV15	Understanding GIS and its application in seismic hazard studies Garhwal himalaya	2019	02	
17	Abhilash thakur	CUHP18ENV01	Atlas of isoseismal maps of different earthquake in India	2020	02	
18	Atish Thakur	CUHP18ENV05	Microtremor studies in India	2020	02	
19	Hitender Singh	CUHP18ENV10	Statistical completeness analysis of seismic data for N-E India Sregion	2020	02	
20	Abhinash	CUHP18ENV02	Understanding subsurface utility method for site characterization	2020	02	
21	Pandit Prashant Shera	CUHP18ENV18	Seismic microzonation of Hamirpur city using Microtremor Measurements	2020	02	
22	Anil Singh	CUHP19ENV07	A review of Earthquake status of Jammu and Kashmir Region	2021	02	
23	Ishan Sharma	CUHP19ENV13	Role of GIS in Disaster Management	2021	02	
24	Riya Chaudhary	CUHP19ENV23	Understanding Site Characterization methodology	2021	02	
25	Saurav Kumar	CUHP19ENV26	Geophysical Technique : Microtremor studies in India	2021	02	
26	Anajli	CUHP20ENV02	Site characterization of Chandigarh using Geophysical Techniques.	2022	02	
27	Shubham Diwakar	CUHP20ENV27	Site characterization of Chandigarh using Geophysical Techniques.	2022	02	
28	Swati Sharma	CUHP20ENV30	Site characterization of Chandigarh using Geophysical Techniques.	2022	02	
29	Shyna Manhas	CUHP20ENV28	Site characterization of CUHP New Campus- Jadrangal using Ambient Noise Measurement and MSOR	2022	02	
30	Tanisha Kumari	CUHP20ENV32	Site characterization of CUHP New Campus- Jadrangal using Ambient	2022	02	

			Noise Measurement and MSOR			
31	Anjali Paul	CUHP21ENV03	Assessment of ecotourism sustainability in Dharamshala city of district Kangra of HP.		02	
32	Diksha Koundal	CUHP21ENV08	Microzonation map of Shahpur region		02	
33	Kajal Kapoor	CUHP21ENV10	Flash floods in Himalayan region		02	
34	Komal Sohal	CUHP21ENV11	Ethnobotanical exploration among locals around CUHP campus shahpur, Kangra Himachal Pradesh		02	
35	Pridhi Bisht	CUHP21ENV19	To analysis the water quality of Dal lake.		02	
36	Priya	CUHP21ENV20	Seismic hazard analysis of North-east Himalaya		02	
37	Purva Sharma	CUHP21ENV21	Understanding Landslides hazards in and around Dharamshala region		02	
Total score for MSc Dissertations					74	

b) Research Projects Completed----- Annexure IX

Sr. No.	Title of the Project (More than 10 lakhs)	Names of PI and co-PI	Funding Agency	Grant Sanctioned	Duration		Claimed Score	Verified by the committee	Encl. No.
					From	To			
1	Subsurface characterization and its environmental implications using Engineering seismographs and Ground Penetration Radar. Cost:	Prof A.K. Mahajan	Ministry of Earth Sciences, Govt. of India	65,28,650/- 2014-2018	Three and half years (2014-	2018)	10		
2	Landslide monitoring of Tira Lines slide zone in Dharamshala region, Distt. Kangra (H.P.) Funded by Department of Sciences and Technology, Govt. of India. Cost: 19,99,600/-2014-2017	Prof A.K. Mahajan	Department of Science and Technology, Govt. of India		Three years (2014-	2017)	10		
Total Score from Projects							20		

(b) Research Projects Ongoing:

Annexure-IX

Sr. No.	Title of the Project (More than 10 lakhs)	Names of PI and co-PI	Funding Agency	Grant Sanctioned	Duration		Claimed Score	Verified by the committee	Encl. No.
					From	To			
1	Seismic microzonation of Chandigarh, Mohali and Panchkulla cities using Geophysical and geotechnical approaches for the upper 30m	Prof A.K. Mahajan	Ministry of Earth Sciences, Govt. of India	89 lakhs	July 2021	2024	10		

	soil column, Ministry of Earth Sciences								
	Total Score from Projects						10		

(c) Consultancy

Annexure-X

Sr. No.	Title and Nature of the Project	Agency to it is offered	Grant Component	Duration		Claimed Score	Verified by the committee	Encl. No.
				From	To			
1	Seismic design parameters of Subansiri Lower project, submitted to Project Oversight committee hazard assessment of Assam region from NHPC in 2015-16 –	Ministry of power Govt. of India	cost 9.12. lakhs in 2016.			10		
	Field Investigation Report Of Slide Zones/Retaining Walls And Other Infrastructures Located In Army Cantt Area	Garrison Engineer Dharamshala Cantt	3.54 lakhs	2.06.2022	02.09.2022	05		
2	Field Visit Report of Mehla Slide Zone, Along Chamba-Bharmaur National High Ways Along Ravi River	Deputy Commissioner Chamba	Only travel and logistics	on 26 January 2022	Two days field and one month for reporting	05		
	Total Score from Consultancy					20		

(a) Patents

Not applicable

5b* Policy Document (Submitted to an International body/organization like UNO/UNESCO/World Bank/International Monetary Fund etc. or Central Government or State Government) **Not Applicable**

Sr. No.	Details of Policy Document	International/ National / State	Year	Claimed Score	Verified by the committee	Encl. No.

(b) Awards/Fellowship

Annexure-XI

Sr. No.	Name of the Award / Fellowship	Awarding Institute/ Organization	International/ National /	Date Awarded	Claimed Score	Verified by the committee	Encl. No.
1	National Geoscience award	Ministry of Mines, Govt. of India	National	16.5.2018	07		
	Total Score from awards				07		

6*Invited lectures / Resource Person/ paper presentation in Seminars/ Conferences/full paper

in Conference Proceedings (Paper presented in Seminars/Conferences and also published as full paper in Conference Proceedings will be counted only once)---Annexure-XII

Sr. No.	Title	Name of the Event	Organiser/ Institute	Duration	Invited/ Oral/ Poster	International (Abroad)/International(within country) / National / State / University level	Claimed Score	Verified by the committee	Encl. No.
1	Delivered an invited talk on Natural Hazard with focus on Kangra region	Training Programme on “Engaging Youth & Adolescents in Disaster Risk Management & Climate Change Adaptation” (02 - 06 January, 2023)	CUHP on NIDM workshop	02.01.2023	invited	National	03		
2	Applications of seismic methods in identification of subsurface water bodies –a case study from Dehradun	Workshop on "Findings of National Aquifer Mapping (NAQIIM) Studies and Implementation of Management Plans for Water Sustainability".	CGWB	18.02.2023	invited	National	03		
3	As chairman of the session and presented a paper on “Applications of Ambient noise measurements in understanding landslide directional behaviour”	National Conference on Air, water and soil 23-24 September 2022 at JC Bose University of Science and Technology, YMCA Faridabad	JC Bose University of Science and Technology,	23 .09.2022	Invited/ Chariman	Natioanl	03		
4	IQAC presentation for SSR preparation on 15.09.2022	National Conference by IQAC Vidyasgar college for women	Vidyasgar college for women	15.9.2022	invited talk	National	03		
5	Ground water issues in Himachal and its identification of springs and their rejuvenation	Training program on Local Ground water Management issues and ground water	CGWB	21.12.2021	Invited	National	03		

		resource management 2020							
6	Disaster Management	Faculty Induction Programme being organized by the UGC-Human Resource Development Centre	University of Jammu in collaboration with the Department of Electronics, University of Jammu during November 14 to December 10, 2022	13.12.2022	Invited	National	03		
7	Local Ground water issues and their identifications of springs using geophysical methods	Request for delivering a lecture on any topic related to Local groundwater management issues-reg.	CGWB	3-11-2022	Invited	National	03		
8	<i>Understanding Geomorphology of the Himalayas</i>	3rd Refresher Course in Geography beginning from October 18th - November 1, 2021	JNU under HRDC FDP program	20.10.2021	invited	National	03		
9	Seismic Microzonation of Kangra Valley- what we need to understand to build structure-sustainable development 4th April, 2019	National Workshop On “Disaster Management To Commemorate 1905 Kangra Earthquake” (DMKEA 1905)	State council of science and Technology	4-6 April 2019	Key speaker	National	03		
10	Resilience infrastructure in Himalayan region- a need or luxury- on 4 th April, 2019	National Workshop On “Disaster Management To Commemorate 1905 Kangra Earthquake” (DMKEA 1905)	State council of science and Technology	4-6 April 2019	Key speaker	National	03		
11	Resilience infrastructure in Himalayan region- a need or luxury	World conference on Disaster Management , IIT Mumbai	WCDM, IIT Mumbai	19.1.2019- 2.2.2019	Invited	National	03		
12	Disaster managements in	Workshop on Challenges of	Council of sci. and	3-4 October 2019	Invited	National	03		

	Kangra region	Disaster risk reduction in Hilly towns	technology, Shimla						
13	Delivered an invited talk on Himalayan seismic Risk and disaster risk reduction- a challenge	Two days International Conference on “Recent Advances on Interdisciplinary Sciences” to be held in the University of Jammu from 11th to 12th January 2019”.	University of Jammu	11-12 January 2019	Invited	National	03		
14	Delivered an invited on Natural Hazard and its remedial measures in Jammu region	National Conference on “Biodiversity Conservation and Pollution Control- Challenges and Strategies”, organized by Department of Environmental Sciences, University of Jammu, March 9-10, 2016	Department of Environmental Sciences, University of Jammu	09.03.2016	Invited	National	03		
15	Invited for delivering invited talk to be delivered at Kashmir University on 4-5 June on Environmental Pollution	National Seminar on Environmental Pollution on the eve of observance of world Environment Day-2016	Department of Environmental Sciences, University of Jammu	4-5 th June 2016	Invited	National	03		
16	Delivered two Guest lectures on 1) Plate tectonics and 2) Earth Surface processes	Kashmir University, Srinagar on 23 rd May, 2016.	Kashmir University, Srinagar	23 rd May 2016	Invited	National	03		
17	A.K. Mahajan, 2014. “Applications of Multi-channel Analysis of surface Waves in site Characterisation and detecting subsurface	15th Symposium on Earthquake Engineering held at Indian Institute of Technology, Roorkee December 11-13, 2014 M.L.	IIT Roorkee	11-13 December, 2014	Invited	National	03		

	anomalies	Sharma and Manish Shrikhande (edited) vol. 1, 62-73. ISBN: 978-81-88901-59-3							
18	A.K. Mahajan and Praveen Kumar, 2014. “Applications of Multichannel analysis of surface waves (MASW) for site amplification in earthquake prone regions	National Workshop on Status of Natural Hazard in Himachal Pradesh from 6-8 November, 2014 at Central University of Himachal Pradesh, page 26	CUHP	6-8 November, 2014	Presentati on/seminar	National	03		
19	Swati Sharma, Aditya Awasthi and A.K. Mahajan, 2014, “Geotechnical investigations of shallow rotational landslide at Tira Line for Hazard assessment	National Workshop on Status of Natural Hazard in Himachal Pradesh from 6-8 November, 2014 at Central University of Himachal Pradesh, page 31.	CUHP	6-8 November, 2014	Presentati on/seminar	National	03		
20	Pooja Rajpur and A.K. Mahajan, 2014, “Damagae scenario of 1905 Kangra earthquake if it will repeat in near future using deterministic approach.	National Workshop on Status of Natural Hazard in Himachal Pradesh from 6-8 November, 2014 at Central University of Himachal Pradesh, page 15	CUHP	6-8 November, 2014	Presentati on/seminar	National	03		
21	Delivered a Key note talk on “Application of Environmental Geophysics in dealing with environmental issues	National Conference on “Environmental Issues, Concerns and solutions (EICS-2014 from March 24-25, 2014 organized by Department of Environmental sciences of Jammu, Jammu on 25 th March 2014.	Department of Environmental sciences of Jammu	March 24-25, 2014	Invited /seminar	National	03		

22	Chairman of the technical session “Environmental Pollution: Prevention and Control on 25th March, 2014	National Conference on “Environmental Issues, Concerns and solutions (EICS-2014 from March 24-25, 2014 organized by Department of Environmental sciences of Jammu, Jammu.	Department of Environmental sciences of Jammu	March 24-25, 2014	Invited	National seminar	03		
23	Invited for delivering a Talk on “Applications of active and passive Multichannel analysis of surface waves for subsurface characterisation	2 nd India-Norway joint Workshop held at Prithvi Bhawan, MoES during Feb.13-14, 2014.	MoES, Delhi	Feb.13-14, 2014	Invited	National	03		
24	Delivered a talk on use of “Environmental Geophysics for near surface studies	Two days national seminar on Implications of Climate change on Himalayan Environment organized at Central University of Himachal Pradesh in collaboration with Wadia Institute of Himalayan Geology, from 20-21 st March, 2014.	CUHP/WIHG	20-21 st March, 2014	Seminar presentation	National	03		
25	Delivered invited talk on Sub-surface site characterization and its environmental and engineering implication using multichannel analysis of	Indian Geophysical Union workshop organized by Wadia Institute of Himalayan Geology, Dehra Dun in	WIHG Dehradun	16-17 June, 2013	Invited	National	03		

	surface waves	16-17 June, 2013.							
26	AWARENESS ON DRUG ADDICTION AMONG YOUTH link meet.google.com/mbs-btrv-hyr	Organisation of One day Webinar On The Occasion of Foundation day celebrations of Central University of Himachal Pradesh on 25.01.2022	CUHP	25.01.2022	Presentati on/semina r	National	03		
Total score from Invited talks							78		

Total list of Publications in the last ten years

S.No.	Date	Title	Name of Journal	Peer review d	Number of citations where possible
1	2023	P Kumar, AK Mahajan, M Sharma, 2022. <u>Site effect assessment and vulnerability analysis using multi-geophysical methods for Kangra city, NW Himalaya, India</u>	Journal of Earth System Science 132 (1), 1-13	Yes	1.912
2	2022	P Kumar, KB Prajapati, AK Mahajan, D Pant, NK Meena, A Kumar, 2022. <u>Evaluating feasibility of biosorption technique for heavy metals removal: limitations and future perspective</u> , ...	International Journal of Environmental Analytical Chemistry, 1-25	YEs	2.731
3	2022	AK Mahajan, S Sharma, S Patial, H Sharma, DD Pandey, S Negi 2022 <u>A brief address of the causal factors, mechanisms, and the effects of a major landslide in Kangra valley, North-Western Himalaya, India</u>	Arabian Journal of Geosciences 15 (9), 1-12	Refer eed Journ al	1.827
4	2021	Kumar P and Mahajan A.K., 2021. 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	<u>Environmental Earth Sciences</u> 79(11) DOI: 10.1007/s12665-020-09000-8	Refer eed Journ al	2.180
5	2021	Meena N, K Gaury P.K and Mahajan A.K. 2021. <u>The Climatic and Anthropogenic Influences on Himalayan Glacial and Non-Glacial Lakes</u>	Quaternary Climate Change over the Indian Subcontinent	--do- -	ISBN 97803675 37579 Published May 24, 2021 by CRC Press
6	2021	Mahajan A.K. Kumar P and Pawan Kumar 2021. Near-surface seismic site characterization using Nakamura-basedHVSr technique in the geological complex region of Kangra Valley, northwest Himalaya, India	Arabian Journal of Geosciences (2021) 14:826 https://doi.org/10.1007/s12517-021-07136-w	--do- -	1.327
7	2020	Swati Sharm and Mahajan A. K GIS-based sub-watershed prioritization through morphometric analysis in the outer Himalayan region of India	Applied Water Science (2020) 10:163 https://doi.org/10.1007/s13201-020-01243-x-springer-journal		4.44
8	2020	Pawan Kumar and Mahajan A.K. Trophic status and its regulating factor determination at the Rewalsar Lake, northwest Himalaya (HP), India, based on selected parameters and multivariate statistical analysis Received: 13 March 2020 / Accepted: 16 June 2020	SN Applied Science https://www.springer.com/journal/42452/updates/18640480	--do- -	2.11
9	2020	Kumar P., Mahajan A.K. and Kumar Praveen 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 (2020) 13:872	--do- -	1.327
10	2020	Mahajan A.K. Kumar P. and Pawan Kumar, 2020. Subsurface site characterization of Donga Fan, Northwest Himalaya using multichannel analysis of surface waves and response analysis	Current Science, VOL. 119, NO. 12, 25 DECEMBER 2020	--- do-	0.756
11	2020	Kumar, P. Mahajan A. K. and Kumar, A. 2020. Correction to: Groundwater geochemical facie: implications of rock-water interaction at the Chamba city (HP), northwest Himalaya, India.	Environmental Science and Pollution Research, 1-1 https://doi.org/10.1007/s11356-020-08060-4 .	--do- -	<u>IF</u> : 2.194
12	2019	P Kumar, Mahajan A. K., Kumar A., 2019. Groundwater geochemical facie: implications of rock-water interaction at the Chamba city (HP), northwest Himalaya, India	Environmental Science and Pollution Research, 1-15	--do- -	IF: 2.194
13	2019	Sharma S., Mahajan A. K. (2019). A comparative assessment of information value, frequency ratio and analytical hierarchy process models for landslide	Bulletin of Engineering Geology and the Environment 78 (4) 2431-2448	--do- -	IF : 1.824

		susceptibility mapping of a Himalayan watershed, India			
14	2019	Pawan Kumar, Meena NK, Diwate P, Mahajan AK , Bhushan R (2019). The heavy metal contamination history during ca 1839-2003 AD from Renuka Lake of Lesser Himalaya, Himachal Pradesh, India.	<i>Environmental Earth Sciences</i> , 78:549.	--do- -	IF: 1.765
15	2019	Pawan Kumar, Meena NK, Mahajan AK . 2019. Major ions chemistry, catchment weathering and water quality of Renuka Lake, north-west Himalaya, India	<i>Environmental Earth Sciences</i> , 78:319	--do- -	IF : 1.765
16	2019	Pawan Kumar , Mahajan AK, Meena NK. 2019). Evaluation of trophic status and its controlling factors in Renuka Lake of Lesser Himalaya, India.	<i>Environmental Monitoring and Assessment</i> , 191:105	--do- -	IF 1.959
17	2019	Sharma, S. and Mahajan, A.K. 2019. Information Value Based Landslide Susceptibility Zonation of Dharamshala Region, North Western Himalaya, India.	Spatial Information Research DOI - 10.1007/s41324-019-00259-z	--do- -	IF 1.071
18	2018	Mahajan A. K. & Kumar, P. 2018. Site characterisation in 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. <i>Near Surface Geophysics</i> , 2018, 16, 314-327.	<i>Near Surface Geophysics</i>	--do- -	IF 1.186
19	2018	Mahajan A. K. & Kumar, P. 2018. Application of Multichannel analysis of surface waves for detection of underground mining works. Jour. Ind. Geol. Congress Jour. Ind. Geol. Congress, 9 (2): 127-129.	Jour. Ind. Geol. Congress	--do- -	IF 0.899
20	2018	Mahajan A.K. 2018. Applications of two-dimensional seismic Tomography for subsurface cavity and dissolution features detection under Doon valley, NW Himalaya. 115 (5), 962-969.	Current Science	--do- -	IF: 0.756
21	2018	Sharma S, & Mahajan A.K. 2018. Comparative evaluation of GIS-based landslide susceptibility mapping using statistical and heuristic approach for Dharamshala region of Kangra Valley, India. (2018) 5:4, 1-16.	Geoenvironmental Disasters	--do- -	ISSN: 2197-8670
22	2018	Sharma S, Mahajan AK 2018. A Comparative Assessment of Information Value (In V), Frequency Ratio (FR) and Analytical Hierarchy Process (AHP) Models for Landslide Susceptibility Mapping of a Himalayan Watershed, India. Bull. of Engineering Geology and Environment .	Bull. of Engineering Geology and Environment. /doi.org/10.1007/s10064-018-1259-9	--do- -	1.901
23	2018	Gaury PK, Meena N.K., Mahajan A.K. 2018. Hydrochemistry and water quality of Rewalsar Lake of Lesser Himalaya, Himachal Pradesh, India. Environmental Monitoring and Assessment , 190(2): 84	Environmental Monitoring and Assessment	--do- -	1.679
24	2017	Bungum, H., Lindholm, C.D. and Mahajan, A.K. 2017. Earthquake recurrence in NW and central Himalaya. Journal of Asian Earth Sciences, 138:25-37.	Journal of Asian Earth Sciences <u>Volume 138</u> , 1 May 2017, Pages 25-37	--do- -	2.905
25	2015	Mahajan A.K. , Subash Chandra V. S. Sarma B. R. Arora, 2015. Multichannel analysis of surface waves and high-resolution electrical resistivity tomography in detection of subsurface features in northwest Himalaya. Current Science , 108 (12), 2230-2239.	Current Science	--do- -	0.843
26	2015	Mahajan A.K. , Rajwant and Umesh Kumar Sharma, 2015. Rainfall accelerated mass movement, on 7th August, 2013 north of Dharamshala town, Kangra district, Himachal Pradesh. Geological Society of India , 85(5); 563-569.	Geological Society of India	--do- -	0.795
27	2015	Vikram Gupta, Mahajan A.K. and Thakur V.C., 2015 A studies on Landslide triggered during Sikkim Earthquake of September 18, 2011. Himalayan Geology 36 (1), 81-90.	Himalayan Geology	--do- -	0.35

28	2014	Mahajan A K , 2014. Applications of Multi-channel analysis of surface waves in site 26 characterization and detecting subsurface anomalies. 15 SEE, Symposium of Earthquake Engineering, 11-13 December, 2014 Department of Earthquake Engineering, IIT Roorkee. Proceedings of the 15 th SEE Conference on Earthquake Engineering vol 1, 62-73, Elite publications, New Delhi. ISBN: 81-88901-42-3.	Elite publications	--- do-	ISBN: 81-88901-42-3.
29	2013	Kalyan Kumar and Mahajan A.K. , 2013. Geotechnical characterization of soil samples from Rohtang area. Proceedings of 4 th Indian Young Geotechnical Engineering conference 17-18 May, 2013, Madras, Chennai.	Indian Young Geotechnical Engineering conference	--- do-	
30	2013	B.K. Maheshwari, A.K. Mahajan , M.L. Sharma, D.K. Paul, A.M. Kaynia and Conrad Lindholm, 2013. Relations between Shear Wave Velocity and Standard Penetration Resistance for Sandy Soils in the Ganga Basin. International Journal of Geotechnical Engineering 7(1): 63-70.	International Journal of Geotechnical Engineering	--- do-	
31	2013	G K Ghosh and Mahajan A K , 2013. Intensity attenuation relation at Chamba–Garhwal area in north-west Himalaya with epicentral distance and magnitude. J. Earth Syst. Sci. 122, No. 1, February 2013, pp. 107–122.	J. Earth Syst. Sci.	--do- -	1.257
32	2013	Nath S.K., Thingbaijam K.K.S., Adhikari M.D., Nayak, A., Devaraj N., Ghosh S.K. and Mahajan A.K. , Topographic gradient based site characterization in India complemented by strong ground-motion spectral attributes. Soil Dynamics and Earthquake Engineering 55(2013), 233–246.	Soil Dynamics and Earthquake Engineering	--do- -	1.906

Total list of conference/seminar organized by me in the last ten years

Conference/workshops organised at Central University Dharamshala			
1	Organised six days training program named "ToT on Engaging Youth and Adolescents in DRM & CCA at CUHP in collaboration with NIDM from 2-6 Janaury, 2022	Central University of Himachal Pradesh	2-6 th January 2023
2	Organised two day workshop to commemorate 4 th April 1905 Kangra Earthquake. <i>Funded by state Council of science and technology , H.P.</i>	Central University of Himachal Pradesh	4-5 th April 2019
2	Organized three days training program on Microtremor system at CUHP campus where five Msc students and RD scholars of Department of Environmental Sciences, School of Earth and Environmental Sciences from 27 th January, 2015 to 2 nd February- 2015- <i>provided by the company.</i>	Central University of Himachal Pradesh	27 th January, 2015 to 2 nd February- 2015.
3	Organized Second Phase of Pan-India Debating Competition of Indian geological Congress on 4 th February 2015 as regional coordinator" <i>funded and organized in coordination with Indian Geological Congress and Ministry of Earth Sciences.</i>	Central University of Himachal Pradesh	4 th February 2015
4	Organized as a Chairman and organizing secretary, Nation Workshop on "Status of Natural Hazards in Himachal Pradesh (NHHP-14) on November 6-7, 2014", <i>funded by Ministry of Earth Sciences.</i>	Central University of Himachal Pradesh	November 6-7, 2014
5	Organized one day stake holder workshop on 8 th November in coordination with Ministry of earthquake Science, Rotary Club Kangra and Himachal Pradesh state Government, <i>funded by Ministry of Earth Sciences.</i>	Central University of Himachal Pradesh	November 8 th , 2014
6	Organized Group monitoring committee meeting of Ministry of Earth Sciences for Natural Hazards on 7 th November, 2014, <i>funded by Ministry of Earth Sciences.</i>	Central University of Himachal Pradesh	7 th November, 2014
7	Organized one week training programme on Remote sensing and GIS with the help of Geomedia at CUHP campus for the benefit of MSc. Students, <i>funded by software provider.</i>	Central University of Himachal Pradesh	2014
8	Organized five days training workshop on Remote sensing and GIS to the students and faculty of Department of Environmental Sciences, School of Earth and Environmental Sciences from 24-28 February, 2014, <i>funded by software provider.</i>	Central University of Himachal Pradesh	24-28 February, 2014.
9	Organized Earth day on 22 nd April, 2014 at School of Earth and Environmental Sciences, CUHP, TAB Shahpur, <i>funded by CUHP.</i>	Central University of Himachal Pradesh	22 nd April 2014
10	Organized Earth day on 22 nd April, 2013 at School of Earth and Environmental Sciences, CUHP, TAB Shahpur, <i>funded by CUHP.</i>	Central University of Himachal Pradesh	22 nd April 2013