



Kirori Mal College

(University of Delhi)

University of Delhi, Delhi-110007

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Print Date : 27-08-2026

1. Personal Profile

Title: **Dr.** First Name: **VIJENDRA** Last Name: **KUMAR PANDEY**

Designation: **ASSISTANT PROFESSOR** Mobile No. -----

Phone No. (Office) **011-71219084** Phone No. (Residence): -----

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Facebook: ----- Twitter: -----

LinkedIn: ----- Instagram: -----

Youtube: ----- Research Gate Link: <https://www.researchgate.net/profile/Vijendra-Pandey>

Google Scholar Link: <https://scholar.google.com/citations?user=ThNeB4wAAAAJ&hl=en>

Address: -----

2. Educational Qualifications

Degree/ Certification	Institution	Year
M.A. in Geography	Jawaharlal Nehru University, New Delhi	2003

3. Career Profile & Administrative Assignments

Category	Role/ Designation	Department/ Committee	Date From - To	Remarks
CAREER PROFILE	POST DOCTORATE	GEOGRAPHY JAWAHARLAL NEHRU UNIVERSITY, DELHI	01.Aug.2013 - 31.Aug.2018	
CAREER PROFILE	ASSISTANT PROFESSOR	GEOGRAPHY Kirori Mal College University of Delhi	14.Sep.2018 - Till date	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	PORTAL COMMITTEE Kirori Mal College	08.Jun.2023 - 24.Jun.2024	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	COORDINATING COMMITTEE FOR INFORMATION AND TECHNOLOGY Kirori Mal College	08.Jun.2023 - Till date	

ADMINISTRATIVE ASSIGNMENTS	MEMBER	RESEARCH COUNCIL Kirori Mal College	13.Jun.2023 - Till date	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	KARTAVYA- THE CIVIL SERVICE SOCIETY Kirori Mal College	08.Jun.2023 - 14.Jun.2025	
ADMINISTRATIVE ASSIGNMENTS	CO-CONVENER	NSS Kirori Mal College	26.Oct.2023 - Till date	
ADMINISTRATIVE ASSIGNMENTS	CONVENER	PORTAL COMMITTEE Kirori Mal College	25.Jun.2024 - Till date	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	STANDING COMMITTEE FOR MONITORING ADMISSIONS Kirori Mal College, University of DELhi	21.Jun.2023 - 14.Jun.2025	
ADMINISTRATIVE ASSIGNMENTS	COORDINATOR	IIRS -INDIAN INSTITUTE OF REMOTE SENSING , ISRO Kirori Mal College	07.Feb.2024 - Till date	

4. Other Profiles

Other Profile Name/ Description

MEMBERSHIPS IN ACADEMIC/ PROFESSIONAL BODIES

Life member of Indian Society of Remote Sensing, Dehradun (Delhi Chapter).

MEMBERSHIPS IN ACADEMIC/ PROFESSIONAL BODIES

Life member of Indian Institute of Geomorphologists, Allahabad.

MEMBERSHIPS IN ACADEMIC/ PROFESSIONAL BODIES

Life Member of National Association of Geographers, India (LM-2727).

WORKSHOP/ SEMINAR/ CONFERENCE/ WEBINAR ORGANIZED

Co-Convener of International Conference on “Climate Change, Natural Hazards, and Sustainable Livelihoods” Organized by the Department of Geography, Kirori Mal College; March 12-13, 2022.

FIELD TRIPS ORGANIZED

Field -Trip of B.A. (H) Geography, IV Semester students to Himachal Pradesh, 14th to 20th March 2023.

AREAS OF INTEREST/ SPECIALIZATION

Physical Geography, Geomorphology, Geo-chronology, Cryospheric Studies, Remote Sensing and Geographic Information System, Disaster Management

SUBJECTS TAUGHT

Climatology, Hydrology and Soil Studies, Remote Sensing, Geographic Information System, Statistical Method in Geography, Field Work and Research Methodology, Biogeography and Biodiversity

WORKSHOP/ SEMINAR/ CONFERENCE/ WEBINAR ORGANIZED	
Organizing Secretary of National Seminar on “Non-Timber Forest Products (NTFPs), Tribal Livelihood and Sustainable Development of Forest Resources” Organized by the Department of Geography, Kirori Mal College; October 13-14, 2023	
MEMBERSHIPS IN ACADEMIC/ PROFESSIONAL BODIES	
1	1. Life member of Indian Institute of Geomorphologists, Allahabad.
2	2. Life member of Indian Society of Remote Sensing, Dehradun (Delhi Chapter, L-5635).
3	3. Life Member of National Association of Geographers, India (LM-2727).
4	4. Life Member of Geographical Society of Himachal Pradesh (L-282).
CERTIFICATE COURSE/ SHORT TERM COURSE ORGANIZED	
Coordinator - E-Learning Courses Organized by IIRS (ISRO), Dehradun	

5. Research Guidance				
Year	Guide For	Title of the Dissertation/ Thesis	Scholar Name	Status
2029	Ph. D.	Impact of Tourism on Geo-Ecological Serenity: A Case Study of Nainital, Kumaon Himalaya	Amit Singh	Pursuing
2030	Ph. D.	Study of Impact of Tourism Development and their Management for Sustainability in Upper Bias Basin Himachal Pradesh	Soham Mandal	Pursuing
2031	Ph. D.	AI-driven satellite assessment of climate variability, forest dynamics, and atmospheric effects across Himachal Himalayan biodiversity hotspots	Akash	Pursuing

6. Research Projects					
Year	Title of Project	Sponsorship Agency	Duration	Amount Sanctioned	Date of Sanction
2022	Community Discourse on Climate Change and Adaptations Policy in Western Himalayan Region of India	Indian Council of Social Science Research (ICSSR)	2 Years	8.5 Lacs	24.Apr.2022
2023	A Geographic Assessment of the Socio-Economic Impacts of flash floods in the Upper Beas Basin, Himachal Pradesh	Northern Regional Centre, Indian Council of Social Science Research, New Delhi	6 Months	1,00,000.00	21.Sep.2023
2024	A Geographical Analysis of NTFP- Livelihood Linkages In the Bundelkhand Region of Madhya Pradesh State	ICSSR-NRC	6 Months	1,00,000.00	10.May.2024

2025	Multi-hazard susceptibility and Risk assessment on livelihood security: A case study of Chamoli district, Uttarakhand	NRC-ICSSR	6 Months	1,00,000.00	29.May.2025
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7. Publications

Category	Publication Name	Title	Name of Author	Reference Link/ DOI Link	Publication (Month-Year)
JOURNAL PAPER (International)	Sedimentological characteristics and their relationship with landsliding in the Bhilangana Basin, Garhwal Himalaya, India	Earth Sciences Research Journal	Vijendra Kumar Pandey, Milap Chand Sharma (First Author, Corresponding Author)	https://doi.org/10.15446/esrj.v26n4.94720	December 2022
JOURNAL PAPER (International)	Land Use Dynamics and Impact on Regional Climate Post-Tehri Dam in the Bhilangana Basin, Garhwal Himalaya	Sustainability	Parihar, Seema Mehra, Vijendra Kumar Pandey, Anshu, Karuna Shree, Khusro Moin, Mohammed Baber Ali, Kanchana Narasimhan, Jeetesh Rai, and Azka Kamil (Corresponding Author)	https://doi.org/10.3390/su141610221	August 2022
JOURNAL PAPER (International)	Decadal terminus position changes and ice thickness measurement of Menthosa Glacier in Lahaul region of North-Western Himalaya	Geocarto International	Satya Prakash, Milap Chand Sharma, S. Sreekesh, Pritam Chand, Vijendra Kumar Pandey, Syed Umer Latief, Sanjay Deswal, Ishita Manna, Suresh Das, Sandip Tanu Mandal & I. M. Bahuguna (Joint Author)	https://doi.org/10.1080/10106049.2021.1939437	August 2022

JOURNAL PAPER (International)	Catastrophic ice-debris flow in the Rishiganga River, Chamoli, Uttarakhand (India)	Geomatics, Natural Hazards and Risk	Pandey, V.K.; Kumar, R.; Singh, R.; Kumar, R.; Rai, S.C.; Singh, R.P.; Tripathi, A.K.; Soni, V.K.; Ali, S.N.; Tamang, D.; Latief, S.U. (First Author)	https://doi.org/10.1080/19475705.2021.2023661	January 2022
JOURNAL PAPER (International)	Implications of landslide inventory in susceptibility modeling along a Himalayan highway corridor, India	Physical Geography	Vijendra Kumar Pandey, Arun Kumar Tripathi, Kaushal Kumar Sharma (First Author, Corresponding Author)	https://doi.org/10.1080/02723646.2021.1872857	July 2022
JOURNAL PAPER (International)	Landslide susceptibility mapping using maximum entropy and support vector machine models along the Highway Corridor, Garhwal Himalaya	Geocarto International	Vijendra Kumar Pandey, HR Pourghasemi, Milap Chand Sharma (First Author, Corresponding Author)	https://doi.org/10.1080/10106049.2018.1510038	August 2020
JOURNAL PAPER (International)	Sedimentological characteristics and application of machine learning techniques for landslide susceptibility modelling along the highway corridor Nahan to Rajgarh (Himachal Pradesh), India	CATENA	Vijendra Kumar Pandey, Kaushal Kumar Sharma, Hamid Reza Pourghasemi, Suresh Kumar Bandooni (First Author, Corresponding Author)	https://doi.org/10.1016/j.catena.2019.104150	October 2019
JOURNAL PAPER (National)	Environmental Consensus and Systematic Spatio-temporal Analysis of Mountain Sustainability	The Oriental Anthropologist; SageJournals	Sanjeev Sharma; Kiran Sharma; Vijendra Kumar Pandey; Amrita Bajaj (Joint Author)	https://doi.org/10.1177/0972558X231204400	November 2023

JOURNAL PAPER (International)	Landslide susceptibility analysis in the Bhilangana Basin (India) using GIS-based machine learning methods	Geosystems and Geoenvironment	Rai, S. C., Pandey, V.K., Sharma, K.K., Sharma, S. (Corresponding Author)	https://doi.org/10.1016/j.geogeo.2024.100253	May 2024
JOURNAL PAPER (International)	Assessing the Human Role in Changing Floodplain and Channel Belt of the Yamuna River in National Capital Territory of Delhi, India	Journal of the Indian Society of Remote Sensing	Rajesh Kumar, Vijendra Kumar Pandey, Milap Chand Sharma (Joint Author)	https://doi.org/10.1007/s12524-019-01018-1	November 2019
JOURNAL PAPER (International)	Mapping Glacial Geomorphology and Livelihood Resources in Urgos	Journal of the Indian Society of Remote Sensing	Satya Prakash, Shahnawaz, Milap Chand Sharma, Vijendra Kumar Pandey, Pritam Chand, Sanjay Deswal (Joint Author)	https://doi.org/10.1007/s12524-019-01002-9	July 2019
JOURNAL PAPER (International)	Causes and geomorphological effects of large debris flows in the lower valley areas of the Meru and Gangotri glaciers, Bhagirathi basin, Garhwal Himalaya (India)	Remote Sensing Letters	Rupendra Singh and Mayank Shekhar and Vijendra Kumar Pandey and Rajesh Kumar and R. K. Sharma (Corresponding Author)	https://doi.org/10.1080/2150704X.2018.1484956	June 2018
JOURNAL PAPER (International)	Seasonal characteristics of black carbon aerosol mass concentrations and influence of meteorology, New Delhi (India)	Urban Climate	Milap Chand Sharma, Vijendra Kumar Pandey, Rajesh Kumar, Syed Umer Latief, Elora Chakrawarthy, Prasenjit Acharya (Corresponding Author)	https://doi.org/10.1016/j.uclim.2017.12.002	June 2018

JOURNAL PAPER (National)	Indigenous Agricultural Practices and Constraints in Crop Production, Tawang, Eastern Himalayas	The Deccan Geographer	Kumar, S., Anshu, Tewari, P., Pandey, V.K. (Joint Author)		August 2024
JOURNAL PAPER (International)	Analysis of flood and channel dynamics adversity in the Upper Beas Basin during 9-11 July 2023, Himachal Pradesh	Natural Hazards Research	Vijendra Kumar Pandey, Jeetesh Rai, KK Sharma, Rupendra Singh (First Author)	https://doi.org/10.1016/j.nhres.2025.09.001	September 2025
JOURNAL PAPER (International)	Probabilistic landslide susceptibility mapping along Tipri to Ghuttu highway corridor, Garhwal Himalaya (India)	Remote Sensing Application Society & Environment	Vijendra Kumar Pandey, Milap Chand Sharma (First Author, Corresponding Author)	https://doi.org/10.1016/j.rsase.2017.07.007	September 2017
JOURNAL PAPER (International)	Predictive landslide susceptibility assessment using the weight-of-evidence method in north-central Garhwal Himalaya, India	Physical Geography	Vijendra Kumar Pandey (Sole Author)	https://doi.org/10.1080/02723646.2015.1116050	October 2015
JOURNAL PAPER (International)	Vegetation loss and climate-driven fragmentation in the Himalayan alpine ecosystem: an AI/ML-based LULC and carbon stock analysis	Theoretical and Applied Climatology	Akash Kashyap, Vijendra Kumar Pandey, Dipankar Bera, Deepanshu Parashar, Ashwani Kumar, Arvind Pandey, Sajid Ullah, Wafa Saleh Alkhuraji & Mohamed Zhran (Joint Author)	https://doi.org/10.1007/s00704-026-06269-w	April 2026

CHAPTER IN EDITED BOOKS (International)	Climate Change Adaptation Policies and Governance: A Critical Appraisal in Sharma et al. (edt.) Climate Change and Human Adaptation in India: Sustainability and Public Policy	Springer Nature Switzerland AG	Pandey, V.K., Anshu, Sharma, K.K. (First Author)	https://doi.org/10.1007/978-3-031-55821-4	June 2024
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8. Books

Category	Book Name	Title	Name of Author	ISSN/ ISBN Number
BOOK (International)	Climate Change and Human Adaptation in India - Sustainability and Public Policy	Kaushal Kumar Sharma, Sanjeev Sharma, Vijendra Kumar Pandey, Rupendra Singh (Joint Author)	Springer Nature Switzerland AG	978-3-031-55820-7

9. Faculty Achievements

Year	Category of Achievement	Role	National/ International etc.	Name	Date From- To
2021	FACULTY DEVELOPMENT PROGRAM ATTENDED	ASSISTANT PROFESSOR	University	Hydro-Meteorological Disaster: Techniques of Measuring, Monitoring, and Management of Floods	01.Mar.2021 - 07.Mar.2021
2022	REFRESHER COURSE ATTENDED	ASSISTANT PROFESSOR	University	“Basic IT tools, Advanced Spreadsheet Tools and Statistical Software Package with SPSS Statistics with ' Financial Database and Analysis Software	27.Oct.2022 - 11.Nov.2022
2023	FACULTY DEVELOPMENT PROGRAM ATTENDED	ASSISTANT PROFESSOR	University	Qualitative Research and Issues in Plagiarism (An Interdisciplinary Approach)	16.Feb.2023 - 22.Feb.2023
2023	FACULTY INDUCTION PROGRAM ATTENDED	ASSISTANT PROFESSOR	National	National Faculty Induction Programme/Orientation Course	25.Feb.2023 - 27.Mar.2023
2023	FACULTY INDUCTION PROGRAM ATTENDED	ASSISTANT PROFESSOR	National	Moocs and E-Content Development	29.Apr.2023 - 05.May.2023

2022	INVITED LECTURES/ RESOURCE PERSON/ PAPER PRESENTATIONS ATTENDED	PARTICIPANT	National	Evaluation of GIS-based Machine Learning Methods of Landslide Susceptibility Analysis: A Case Study in Bhilangana River Basin, Garhwal Himalaya (India); in National Conference on Landslide Risk Assessment and Mitigation in India	01.Nov.2022 - 02.Nov.2022
2022	INVITED LECTURES/ RESOURCE PERSON/ PAPER PRESENTATIONS ATTENDED	PARTICIPANT	National	Land-Use Dynamics and Its Impact on Regional Climate Post-Tehri Dam in the Bhilangana Basin, Garhwal Himalaya; in National Seminar and First Annual Meet of Geographical Society of Himachal Pradesh (GSHP) on "Geography, Development And Public Policy"	23.Sep.2022 - 24.Sep.2022
2022	INVITED LECTURES/ RESOURCE PERSON/ PAPER PRESENTATIONS ATTENDED	PAPER PRESENTER	International	Spatial Dynamics of Kolahoi Glacier and its Response to Climate Change. International Conference on Climate Change, Natural Hazards, and Sustainable Livelihoods	12.Mar.2022 - 13.Mar.2022
2022	INVITED LECTURES/ RESOURCE PERSON/ PAPER PRESENTATIONS ATTENDED	PAPER PRESENTER	International	17 Geomorphological vicissitudes in glaciers and glaciated valley due to extreme events: A Case study of debris flow in July 2017 at terminus zone of the Gangotri glacier, Garhwal Himalaya, India	12.Mar.2022 - 13.Mar.2022
2021	INVITED LECTURES/ RESOURCE PERSON/ PAPER PRESENTATIONS ATTENDED	PAPER PRESENTER	International	Adaptation policy and community discourse of Climate Change in the Mountainous region of India	02.Mar.2021 - 03.Mar.2021
2020	INVITED LECTURES/ RESOURCE PERSON/ PAPER PRESENTATIONS ATTENDED	RESOURCE PERSON	National	Co-chaired a session on "Ecology Environment and Sustainable Development Goals" in VIIth Northern Regional Social Science Congress on "Social Science and Nation Building: Issues and Challenges"	02.Feb.2020 - 04.Feb.2020
2019	INVITED LECTURES/ RESOURCE PERSON/ PAPER PRESENTATIONS ATTENDED	PAPER PRESENTER	International	Application of Remote Sensing and GIS based data driven model for landslide hazard assessment along the Tehri-Gangotri highway corridor, Garhwal Himalayas (India)	27.Sep.2019 - 29.Sep.2019
2019	INVITED LECTURES/ RESOURCE PERSON/ PAPER PRESENTATIONS ATTENDED	PAPER PRESENTER	International	Landslide Hazard vulnerability assessment using weight-of-evidence model along the Jakh-Dharasu-Uttarkashi Highway corridor, Uttarakhand (India)	22.Feb.2019 - 24.Feb.2019
2018	INVITED LECTURES/ RESOURCE PERSON/ PAPER PRESENTATIONS ATTENDED	PAPER PRESENTER	National	Large Landslide along the Koti to Chiniyala Sor route and their impact on reservoir sedimentation of Tehri Dam	13.Nov.2018 - 14.Nov.2018

2017	INVITED LECTURES/ RESOURCE PERSON/ PAPER PRESENTATIONS ATTENDED	PAPER PRESENTER	International	Recession Pattern and geomorphological changes of Menthosa glacier, Lahaul Himalaya (India)	06.Nov.2017 - 11.Nov.2017
2017	INVITED LECTURES/ RESOURCE PERSON/ PAPER PRESENTATIONS ATTENDED	PAPER PRESENTER	National	Monitoring diurnal and weekly variability in Aerosol black carbon concentrations over JNU Campus, New Delhi (India)	21.Apr.2017 - 22.Apr.2017
2015	INVITED LECTURES/ RESOURCE PERSON/ PAPER PRESENTATIONS ATTENDED	PAPER PRESENTER	International	Fusion of DGPS, Total Station and GPR data for the 3D Mapping of Himalayan Cryosphere: Application and Potential	15.Dec.2015 - 17.Dec.2015
2011	INVITED LECTURES/ RESOURCE PERSON/ PAPER PRESENTATIONS ATTENDED	PAPER PRESENTER	National	Reducing potential impact of Climate Change and Natural Hazards: The Need of participatory approach between scientific community and Policy makers	28.Dec.2011 - 28.Dec.2011
2011	INVITED LECTURES/ RESOURCE PERSON/ PAPER PRESENTATIONS ATTENDED	PAPER PRESENTER	National	Geo-Hazard Risk Assessment for Sustainable Livelihood in the Vishnugad-Pipalkoti Hydel Power Project, Chamoli	02.Nov.2011 - 04.Nov.2011
2011	INVITED LECTURES/ RESOURCE PERSON/ PAPER PRESENTATIONS ATTENDED	PAPER PRESENTER	National	Landslides Susceptibility assessment using Remote Sensing and GIS Techniques, along the Road in Lower Jalal Catchment, HP	25.Mar.2011 - 26.Mar.2011
2011	INVITED LECTURES/ RESOURCE PERSON/ PAPER PRESENTATIONS ATTENDED	PAPER PRESENTER	National	Land Degradation and Landslide Susceptibility Assessment in Lower Jalal Catchment, Sirmour District Himachal Pradesh	03.Dec.2011 - 04.Dec.2011
2007	INVITED LECTURES/ RESOURCE PERSON/ PAPER PRESENTATIONS ATTENDED	PAPER PRESENTER	National	Geomorphic Approach for Landslides Hazard Zonation of Bhilangana River Basin, Uttarakhand Himalaya	04.Jun.2007 - 05.Jun.2007
2024	INVITED LECTURES/ RESOURCE PERSON/ PAPER PRESENTATIONS ATTENDED	PAPER PRESENTER	International	Analysis of Channel Dynamics and Its Influence on Flooding in the Upper Beas Basin, Himachal Pradesh	21.Feb.2024 - 22.Feb.2024
2024	FACULTY DEVELOPMENT PROGRAM ATTENDED	SENIOR ASSISTANT PROFESSOR	National	Two-Week Capacity Building Programme (CBP) for Young Faculty in Social Sciences	23.Sep.2024 - 04.Oct.2024

2024	WORKSHOP/ SEMINAR/ CONFERENCE ATTENDED	RESOURCE PERSON	National	International Conference on “Urban Development Missions, Restructuring of Spaces and Emergence of New Urbanism	15.Nov.2024 - 16.Nov.2024
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Dr. VIJENDRA KUMAR PANDEY