



Kirori Mal College

(University of Delhi)

University of Delhi, Delhi-110007

(Phone No. - 011-7121 9084 : Email - principal@kmc.du.ac.in)



Print Date : 15-02-2026

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): -----

Email: **vijendrapandey@kmc.du.ac.in** Webpage: -----



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 | |

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| 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. Life member of Indian Institute of Geomorphologists, Allahabad.
2. Life member of Indian Society of Remote Sensing, Dehradun (Delhi Chapter, L-5635).
3. Life Member of National Association of Geographers, India (LM-2727).
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 |
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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 |

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 |

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| 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 |

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| 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 Chakraworthy, Prasenjit Acharya (Corresponding Author) | https://doi.org/10.1016/j.uclim.2017.12.002 | June 2018 |

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| 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) | 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 |
| 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 |

| 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 |
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| 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 |

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| 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 Mentosa 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 |

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| 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 |

Dr. VIJENDRA KUMAR PANDEY