




KIRORI MAL COLLEGE, UNIVERSITY OF DELHI



Title	Dr.	First Name	Vijendra	Middle Name	Kumar	Last Name	Pandey	Photograph
Designation	Assistant Professor							
Address	E 296, Street No. 5, West Vinod Nagar, Delhi - 110092							
Phone No	Office							
	Residence							
	Mobile	+91 9968370252						
Email	vijendrapandey@kmc.du.ac.in							
Web-Page	http://www.kmcollege.ac.in/							
Educational Qualifications								
Degree	Institution						Year	
Ph. D. in Geography	Jawaharlal Nehru University, New Delhi						2012	
M. Phil.	Jawaharlal Nehru University, New Delhi						2006	
M.A.	Jawaharlal Nehru University, New Delhi						2003	
B.A.	DDU University of Gorakhpur, Gorakhpur, UP						1999	
Career Profile								
<p>Assistant Professor (ad-hoc), Department of Geography, Kirori Mal College, University of Delhi, Delhi 110007; Since 14th September, 2018</p> <p>Guest Faculty, Department of Geography, Kirori Mal College, University of Delhi, Delhi 110007; 1st August, 2018 to 13th September, 2018</p> <p>Post-doctoral Research Associate in a DST-SPLICE project on “Himalayan Cryosphere: Science and Society” at CSRD, Jawaharlal Nehru University, New Delhi; 1st August, 2013 to 31st July, 2018</p>								
Administrative Assignments								
NA								
Areas of Interest / Specialization								
Physical Geography, Geomorphology, Geo-chronology, Cryospheric Studies, Remote Sensing and Geographic Information System, Disaster Management								
Subjects Taught								
Climatology, Hydrology and Oceanography, Remote Sensing, Geographic Information System, Statistical Method in Geography, Cartographic Techniques, Field Work and Research Methodology, Disaster Management								
Research Guidance								
NA								
Publications Profile								
<p>a. Research Paper in Referred Journal/ UGC Listed</p> <ol style="list-style-type: none"> Pandey, V.K., 2015. Predictive landslide susceptibility assessment using the weight-of-evidence method in north-central Garhwal Himalaya, India. <i>Physical Geography</i>, 36 (6); 510-536. Pandey, V.K., Sharma, M.C., 2017. Probabilistic landslide susceptibility mapping along Tipri to Ghuttu highway corridor, Garhwal Himalaya (India). <i>Remote Sensing Application Society & Environment</i>, 8, 1-11. 								

3. Sharma, M.C., Pandey, V.K., Kumar, R., Latief, S.U., Chakraborty, E., Acharya, P. 2017. Seasonal characteristics of black carbon aerosol mass concentrations and influence of meteorology, New Delhi (India). *Urban Climate*, 24; 968-981.
4. Pandey, V.K., Sharma, K.K., Bandooni, S.K. 2018. Characteristics of Large Landslides and Application of Frequency Ratio Model for Susceptibility Assessment, Lower Jalal Catchment (Himachal Pradesh). *International Journal of Research in Geography*, 3(4); 1-9.
5. Singh, R., Shekhar, M., Pandey, V.K., Kumar, R., Sharma, R.K. 2018. 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*, 9 (8), pp. 809-818.
6. Pandey, V.K., Pourghasemi, H.R., Sharma, M.C., 2020. Landslide susceptibility mapping using maximum entropy and support vector machine models along the Highway Corridor, Garhwal Himalaya. *Geocarto International*, 35:2, 168-187, DOI: 10.1080/10106049.2018.1510038
7. Pandey, V.K., Sharma, K.K., Pourghasemi, H.R., Bandooni, S.K., 2019. Sedimentological characteristics and application of machine learning techniques for landslide susceptibility modelling along the highway corridor Nahan to Rajgarh (Himachal Pradesh), India. *Catena*, 182, 104–150.
8. Prakash, S., Sharma, M.C., Shah Nawaz, Pandey, V.K., Chand, P., 2019. Mapping Glacial Geomorphology and Livelihood Resources in Urgos. *Journal of Indian Society of Remote Sensing*, 47 (8), 1295-1308.
9. Kumar, Rajesh; Pandey, Vijendra Kumar; Sharma, Milap Chand, 2019. Assessing the Human Role in Changing Floodplain and Channel Belt of the Yamuna River in National Capital Territory of Delhi, India. *Journal of Indian Society of Remote Sensing*, 47 (8), p. 1347-1355.
10. Pandey, Vijendra Kumar; Tripathi, A.K.; Sharma, K.K., 2021. Implications of landslide inventory in susceptibility modeling along a Himalayan highway corridor, India. *Physical Geography*, doi.org/10.1080/02723646.2021.1872857
11. Prakash, S.; Sharma, M.C.; Sreekesh, S.; Chand, P.; Pandey, V.K.; Latief, S.U.; Deswal, S.; Manna, I.; Das, S.; Mandal, S.T.; Bahuguna, I.M., 2021. Decadal Terminus Position Changes and Ice Thickness Measurement of Menthosa Glacier in Lahaul Region of North-Western Himalaya. *Geocarto International*; doi.org/10.1080/10106049.2021.1939437

b. Books

1. Pandey, V.K. (2014): Landslide Hazard Zonation of Bhilangana River Basin, Uttarakhand Himalaya India. Lap Lambert Academic Publishing, Deutschland/ Germany. ISBN: 978-3-659-57524-2

c. Article /Chapter in books

1. Pandey, Vijendra Kumar (2010): Introduction to Landslides. In Environmental Geo-hazards: Science and Society, eds. Sharma et al., Research India Press, pp.3-11. ISBN: 978-81-89131-37-1
2. Pandey, Vijendra Kumar (2010): Geomorphic Approach for Landslides Hazard Zonation of Bhilangana River Basin, Uttarakhand Himalaya. In Environmental Geo-hazards: Science and Society, eds. Sharma et al., Research India Press, pp.170-178. ISBN: 978-81-89131-37-1
3. Bandooni, S.K.; Pandey, V.K. and Sharma, K.K. (2012): Land Degradation and Landslide Susceptibility Assessment in Lower Jalal Catchment, Sirmour District Himachal Pradesh. In Natural Resource Conservation and Food Security, ed. Sati, V.P.; Bishen Singh Mahendra Pal Singh Publisher, New Delhi.

Pp. 9-20. ISBN: 978-81-211-0840-9

4. Bandooni, S.K.; Pandey, V.K. and Sharma, K.K. (2014): Information system approach for Integrated Natural Resource Management, learning and Practices in Naugada Gad, Uttarakhand. In Management of Natural Resources for Sustainable Development Challenges and Opportunities, Edited by Sati, V.P. et al.; Excel India Publishers, New Delhi; pp. 304-317. ISBN: 978-93-82880-95-0
5. Pandey, V.K. (2014): Landslide Hazard Zonation of Bhilangana River Basin, Uttaranchal Himalaya India. Lap Lambert Academic Publishing, Deutschland/ Germany. ISBN: 978-3-659-57524-2
6. Pandey, V.K., 2019. Application of the Geoinformatics for the Integrated watershed management and development planning, Bal Ganga Basin, Tehri Garhwal (Uttarakhand), in: Applications and Challenges of Geospatial Technology: Potential and Future Trends, Springer, pp. 25-42
7. Kumar, R., Pandey, P.C., Maharana, P., Gautam, H., Pandey, V.K., 2019. Assessing the Impacts of Temperature, Precipitation and Land Use Change on Open Water Bodies of Middle Ghaghra River Basin, in: Water Conservation, Recycling and Reuse: Issues and Challenges, Springer. pp. 185–202.
8. Pandey, M., Arora, A., Kumar, R., Pandey, V.K., Kumar, A., 2020. Geomorphic Changes Related to Anthropogenic Interference Along the Ganga River From Rishikesh to Haridwar, Uttarakhand, India: Geomorphic Response of the Ganga to Tehri Dam. Spatial Information Science for Natural Resource Management, Springer, pp. 269-287

Conference / Workshops/Training Organized

- 1 Total Station and Differential Global Positioning System (D-GPS). Organized By DST-CCP Sponsored Project, CSRD, Jawaharlal Nehru University, New Delhi; 2nd - 8th April, 2015
- 2 Ground Penetrating Radar (GPR). Organized By DST-CCP Sponsored Project, CSRD, Jawaharlal Nehru University, New Delhi; 12th - 13th May, 2015
- 3 Thermoluminescence / Optically Stimulated Luminescence Reader (TL/ OSL) and Gamma Spectrometer. Organized By DST-CCP Sponsored Project, CSRD, Jawaharlal Nehru University, New Delhi; 23rd - 29th October, 2015

Creation of ICT Mediated Teaching Learning Pedagogy and Content

NA

Conference/Workshops/Training attended as Faculty Member

- 1 Geomorphic Approach for Landslides Hazard Zonation of Bhilangana River Basin, Uttarakhand Himalaya. National Workshop Environmental Geo-Hazards (Earthquake, Landslides, Floods etc.): Management and Mitigation strategy for Himachal Pradesh” held at Mandi (HP), Organized by Dept. of Geography Kirori Mal College, University of Delhi and District Administration Govt. of Himachal Pradesh; 4-5th June 2007.
- 2 Land Degradation and Landslide Susceptibility Assessment in Lower Jalal Catchment, Sirmour District Himachal Pradesh. National Seminar on “Resource Conservation and Food Security” held at Gwalior; Organized by Dept. of Geography Government KRG Post Graduate College, Gwalior (MP); 3-4 December, 2011.
- 3 Landslides Susceptibility assessment using Remote Sensing and GIS Techniques, along the Road in Lower Jalal Catchment, HP. National Workshop on “Youth technology & Disaster Risk Reduction” held at New Delhi, Organized by All India Foundation for Peace and Disaster Management, New Delhi; 25-26

March 2011.

- 4 Geo-Hazard Risk Assessment for Sustainable Livelihood in the Vishnugad-Pipalkoti Hydel Power Project, Chamoli. National Workshop on “Resources Environment and Development of the Indian Himalaya: Issues and Strategies for Sustainable Development” held at Srinagar, Garhwal (Uttarakhand); Organized by Dept. of Geography, HNB Garhwal University, Srinagar Garhwal; 2-4 November 2011.
- 5 Fusion of DGPS, Total Station and GPR data for the 3D Mapping of Himalayan Cryosphere: Application and Potential. XXXV INCA International Congress on Spatial Governance for Development, Planning Smart Cities and Disaster Management; Organized by Indian National Cartographic Association and Center for the Study of Regional Development, JNU New Delhi; 15-17 December 2015.
- 6 Monitoring diurnal and weekly variability in Aerosol black carbon concentrations over JNU Campus, New Delhi (India). Adaptation and Implementation of Paris Agreement: National Initiative towards Climate Change Mission; Organized by Department of Geography, SBS (Eve) College, University of Delhi, Delhi; 21-22 April 2017.
- 7 Recession Pattern and geomorphological changes of Menthosa glacier, Lahaul Himalaya (India). 9th International Conference on Geomorphology, Vigyan Bhawan, New Delhi; Organized by Indian Institute of Geomorphologists (IGI), Allahabad; 6-11 Nov. 2017.
- 8 Landslide Hazard vulnerability assessment using weight-of-evidence model along the Jakh-Dharasu-Uttarkashi Highway corridor, Uttarakhand (India). XII International Geographical Union (IGU) India Conference on Climate Change, Natural Disasters and Sustainable Development, Organized by Department of Geography, Govt. PG College, Panchkula; 22-24 Feb. 2019
- 9 Application of Remote Sensing and GIS based data driven model for landslide hazard assessment along the Tehri-Gangotri highway corridor, Garhwal Himalayas (India). XIV DGSI International Conference on “Global Economy, Sustainable Tourism and Climate Change” organized by Department of Geography, University of Rajasthan, Jaipur; 27th to 29th September, 2019.
- 10 Faculty Development Programme on “ICT: Instructional Design Development and Learning Analytics” Organised by Kirori Mal College, University of Delhi IQAC & UGC-PARAMARSH; 24th – 30th July 2020
- 11 Faculty Development Programme on “Hydro-Meteorological Disaster: Techniques of Measuring, Monitoring, and Management of Floods.” Organised by Centre for Disaster Management Studies, Shaheed Bhagat Singh College, University of Delhi in Collaboration with Teaching Learning Centre, Ramanujan College under the PMMMNMTT scheme of the Ministry of Education; 1-7 March, 2021
- 12 Adaptation policy and community discourse of Climate Change in the Mountainous region of India. International Conference (Online) On “Challenges of Disaster: Vulnerability, Adaptations and Resilience” Organized by Centre for Disaster Management Department of Geography (UGC DRS SAP-I & FIST Supported) Faculty of Natural Sciences, Jamia Millia Islamia, New Delhi, India in collaboration with National Institute of Disaster Management (NIDM) & New Delhi, India and Regional Remote Sensing Centre-RRSC (North) New Delhi, India; March 02-03, 2021

Invited Lectures/Resource Persons

- 1 Advances in GIS technology and its applications; at BRPL New Delhi; 15th Nov. 2017
- 2 Sample processing techniques for the optical luminescence (OSL) dating of Glacial sediments, TL/ OSL Laboratory, JNU New Delhi; 2nd Dec. to 5th Dec. 2017.

Research Projects (Major Grants/Research Collaboration)

NA
Professional training / course attended
<ol style="list-style-type: none"> a) Regional Remote Sensing Service Center, CAZRI, Jodhpur- “ Application of Remote Sensing and GIS in Natural Resource Management”, March 3rd to 6th 2003. b) National Institute of Informatics, New Delhi – “Application of geospatial technologies in the utilities mapping”, 17th March 2003. c) IMD New Delhi – Analysis of weather data in long range weather forecasting, 4th April, 2003. d) IIRS Dehradun - 12th Satellite based Distance Learning Program on "Microwave (SAR)Remote Sensing for Natural Resources" conducted during February 03 – March 29, 2014 e) IIRS Dehradun - Satellite based Distance Learning Program on "Basics of RS, GIS & GNSS" conducted during August 04 – November 14, 2014 f) IIRS Dehradun “Applications of Remote Sensing and Geographical Information System for Natural Resources" Duration - January 27 - March 27, 2015
Research Constancy
<ol style="list-style-type: none"> 1 Development, Dispossession and Class Formations: A Study of Rajrahat Newtown West Bengal and POSCO project in Odisha for the Giri Institute of Development Studies, Lucknow
Association with Professional Bodies
<ol style="list-style-type: none"> 1 Life member of Indian Institute of Geomorphologists, Allahabad. 2 Life member of Indian Society of Remote Sensing, Dehradun (Delhi Chapter). 3 Annual Member of European Geoscience Union. 4 Editorial Board Member of International Journal of Research in Geography, ARC Publications, Hyderabad. 5 Member of Reviewing Panel CATENA Journal, Elsevier 6 Member of Reviewing Panel Urban Climate Journal, Elsevier 7 Member of Reviewing Panel Arabian Journal of Geosciences, Springer Nature
Other Activities
<ol style="list-style-type: none"> 1. Helping students in organizing extra-curricular activities. 2. Member of Department Admission Committee. 3. Member of Department NAAC Committee.

Signature of Faculty Member