



Faculty Details Proforma for DU Web-site

Title	Dr.	First Name	Bindhy Wasini	Last Name	Pandey	Photograph
Designation		Professor				
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Web-Page		http://geography.du.ac.in/associate_professor.html				
Educational Qualifications						
	Degree	Institution			Year	
	Ph.D.	University of Delhi			2000	
	M. Phil. / M. Tech.	University of Delhi			1992	
	PG	University of Gorakhpur			1988	
Career Profile						
Professor , Department of Geography, Delhi School of Economics, University of Delhi, Since 30/6/2016. Associate Professor , Department of Geography, Delhi School of Economics, University of Delhi, Since 21/02/2014 to 29/6/2016.						
Administrative Assignments						
Dean Works: University of Delhi since June 11 th , 2021 Director: Centre for Himalayan Studies, University of Delhi since September 2023. Provost: International Students House, University of Delhi since September 11 th 2021. Chairman Governing Body: Shivaji College, University of Delhi since March 2024. Chairman Governing Body: Laxmibai College, University of Delhi since March 2023 - 2024. Member: Governing Body: Kirorimal College, University of Delhi since May 2023. Member Managing Committee / EC Nominee: D. S. Kothari Hostel, University of Delhi since January 11 th 2022. Member Governing Body and Treasurer , College of Vocational Studies University of Delhi from April 30 th , 2021 to April 30 th , 2023. Warden Jubilee Hall Hostel , University of Delhi from February 1 st , 2018 to September 20 th , 2021. OSD Press , University of Delhi during October 2020 – 2023. Member: University of Delhi Committee on Infrastructure, Space Allocation/Reallocation.						

Member: University of Delhi Committee on Feasibility of Infrastructure Projects, including visits to sites.

Areas of Interest / Specialization

Himalayan Geo-Lab, Vulnerability Assessment, Climate Change and Adaptations, Livelihood Analysis and Natural Resource Management.

Subjects Taught

102: Environmental Ecology
302: Natural Resources Management
415: Climatology and Biogeography
443: Geography of Himalaya
Coursework: Research Methodology

Time table of the subjects taught during the current semester

S.No.	Subject	Days	Time	Classroom
M A geog. II Sem.	Environmental and Ecology	Monday	9.00 to 13.30	Hall No.1
		Wednesday	9:00 to 13:30	Hall No 02
M. A. Geog. III Sem.	Natural Resource Management	Thursday	9.00 to 11:30	Hall No 02
M. A. Geog. IV Sem.	Geography of Himalaya	Wednesday	15.00 to 17.00	Room No. 13
M. Phil. Course Work-II	Natural Resources Management	Monday to Saturday	9.00 am to 06 pm	Room No. 13
M. A. /M. Phil. /Ph. D.	Dissertation/ Thesis Supervision	Monday to Saturday	9.am to 06 pm	Room No. 13
Departmental/ Council Meetings, DRC, Courses of Committee	As per schedule and Notices	Monday to Friday		

Research Guidance

Research Supervision (Supervised 10 Ph. D. Theses and 09 M. Phil and 44 M. A. Dissertations)

(Ph. D.)

1. **Abhay Shankar Prasad:** Impact of Natural Hazards on Livelihood Security in Alaknanda River Basin Uttarakhand (**Awarded** on 08/12/2017).
2. **Himanshu Mishra:** Impact of Climate Change on the Livelihood of Transhumance Community in Chamba Himachal Pradesh (**Awarded**, 19/10/2020).
3. **Usha Kumari Anand:** Management of Municipal Solid Waste for Urban Sustainability in Meerut City (**Awarded** 22/01.2021).
4. **Nikhil Roy:** Self-Organized Criticality in River Bank Failure: A Case Study of Brahmaputra River System Assam (**Awarded** 26/02/2022).
5. **Sant Prasad:** Urban Health Wellbeing and Innovation in Varanasi City (**Awarded** 17/06/2022).
6. **Rajeev Kumar Ranjan:** Impact of Climate Change on Environmental Sustainability and Livelihood Security in Leh Region of Jammu & Kashmir (**Awarded** 12/12/2023).
7. **Ganesh Yadav:** Geographic Variations of Health Indicators and Income Status in the Selected EAG States of India (**Awarded** 16/2/2024).
8. **Suman Saurabh:** Livelihood Vulnerability and Resilience to Natural Hazards in Rudraprayag District Uttarakhand (Registered 27/04/2018 (**Submitted**)).
9. **Teja Ram Nitharwal:** Geographical Analysis of Effects of Indira Gandhi Canal Project on Dairy Occupation from 2000-2015 (**Submitted on 26/04/2024**).
10. **Sambhawna Chaudhary:** Springshed Management for Sustainable Agriculture and Livelihood in Tehri Garhwal, Uttarakhand (Registered 20/01/2021(**Submitted**)).
11. **Roosen Kumar:** Assessment of Altitudinal Variations of Treeline and Its Impact on Livelihood of Transhumance and Local Community in Chamoli District: Garhwal Himalaya (Registered 20/01/2021).
12. **Shoryabh Srivastava:** Sustainable Adaptation Techniques for Livelihood Security Through Organic Farming in Garhwal Himalaya, Uttarakhand. (Registered 20/01/2021).
13. **Divya:** Impact of Climate Change on Livelihood and Adaptability of Local Community in Bhagirathi River Basin, Garhwal Himalayas, Uttarakhand (Registered 15/01/2022).
14. **Jyoti:** Geographical Indicators: Possibilities, Challenges, and Socio-Economic Impacts in Kinnaur, Himachal Pradesh (Registered 15/01/2022).
15. **Arvind:** Traditional Indigenous Knowledge (TIK), Local Initiatives and Practices for Sustainable Livelihood in Garhwal Himalayas (Registered 15/01/2022).
16. **Saransh:** Impact of Land Use Land Cover Change on Livelihood Security and Sustainability in Upper Beas Basin, Himachal Pradesh (Registered 10/02/2023).
17. **Honiya Dakpe:** Indigenous Traditional Knowledge (ITK) and Conscious Development for Sustainable Livelihood of Tagin Tribe, Upper Subansiri, Arunachal Pradesh (Registered 10/02/2023).

(M. Phil. Supervision)

1. **Prastha Rajoria:** Spatio-Temporal Analysis of Land Use Land Cover Change in Rewari District, Haryana (**Awarded** 2017).

2. **Harish Kumar:** Impact of Forest Ecosystem Services on Livelihood Security in Carbet National Park. (**Awarded 2018**).
3. **Sonam Bhadauria:** Geographical Assessment of Vulnerability in Slum areas of Gwalior Municipal Corporation: A Challenge for Smart City Development. (**Awarded 2018**).
4. **Nishit:** Impact Analysis of Climate Change on Urban Health: A Case Study of National Capital Territory (NCT) of Delhi. (**Awarded in 2018**).
5. **Pushalal Ganesh:** Implications of Flood Disasters: A Case of Kishanganj District, Bihar. (**Awarded in 2020**).
6. **Shoryabh Srivastava:** Sustainable Adaptation Technique for Livelihood Security through Organic Farming in Dewal Block, Uttarakhand (**Awarded June 2021**).
7. **Jyoti:** Spatio – temporal changes in apple cultivation in last two decades (2000- 2020), Kinnaur district, Himachal Pradesh. (**Awarded February 2022**).
8. **Shashank Singh:** Geographical Analysis of Ancient Water Conservation Techniques: A Case Study of Dewal Block, Uttarakhand (**Awarded March 2022**).
9. **Diksha Swarup Tripathi:** Subsistence Agricultural Practices and Livelihood Security in Dugadda Block, Pauri Garhwal, Uttarakhand. (**Awarded May 2024**)

Supervised 44 M. A. Geography, Master Dissertation on Various Topics related to Himalayan Ecology, Vulnerability and Sustainable Development.

Publications in the Last Three years

Research Papers (Peer Reviewed Journals)

1. Pandey, B.W., Yadav, G., Tripathi, N., Pathak, P.K. (2024). Reproductive and child health transition among selected empowered action groups states of India: A district-level analysis. *PLoS ONE* 19(6): e0301587. <https://doi.org/10.1371/journal.pone.0301587>
2. Saurabh Kumar Jha, Vinod Kumar Nelson, Punna Rao Suryadevara, Shiva Prasad Panda, Chitikela P Pullaiah, Mohana Vamsi Nuli, Mehnaz Kamal, Mohd Imran, Saijyothi Ausali, Mosleh Mohammad Abomughaid, Rashi Srivastava, Rahul Deka, Pingal Pritam, Neha Gupta, Harishankar Shyam, Indrakant K Singh, Bindhy Wasini Pandey, Saikat Dewanjee, Neeraj Kumar Jha and Seid Mahdi Jafari (2024). Cannabidiol and Neurodegeneration: From Molecular Mechanisms to Clinical Benefits. *Science Direct, Elsevier Journal Ageing Research Review*. <https://doi.org/10.1016/j.arr.2024.102386>
3. Bindhy Wasini Pandey, Divya and Om Jee Ranjan (2024). **From Policy to Action: India's Commitment to Climate Change at COP 28**. *World Focus*. 45(529):40-45 E-ISSN2581-5083 https://www.worldfocus.in/current_issue January.
4. Bindhy Wasini Pandey, Om Jee Ranjan and Ritika Chitlangia (2024). **Food Systems and COP28 in the face of Climate Change: A Global Perspective and Context**. *Jan World Focus*. 45(529):73-78 E-ISSN 2581-5083 https://www.worldfocus.in/current_issue January.
5. Kumar, A., Pandey, B. W., Prasad, A. S., Pathak, U., & Awasthi, A. K. (2023). Conservation and management of water resources for sustainable development in mountain ecosystem: a case study of Dewal Block, Uttarakhand, India. *Terræ Didactica*, 19(Publ. Continua), 1-11, e023029. doi: 10.20396/td.v19i00.8673723.
6. Shoryabh SRIVASTAVA, Bindhy Wasini PANDEY, Virender Singh NEGI (2024). Community-based Approaches to Climate Change Adaptation and Livelihood Security in the

- High-Altitude Bhagirathi Valley of Garhwal Himalaya[J]. **Journal of Resources and Ecology**, 2024, 15(1): 197-203.
7. Yadav Ganesh and Bindhy Wasini Pandey (2023) Geographic Variations of Key Child Health and Income Based Indicators in the selected EAG States of India. **Indian Journal of Spatial Sciences**. Vol. 14 (4) ISSN 2249 3921. Pp 15-23.
 8. Rajeev Ranjan and Bindhy Wasini Pandey (2023). Impact of Land use land Cover on the resilience of Environmental and Social Systems in Leh District Ladakh UT India. **Indian Journal of Spatial Sciences**. Vol. 14 (1) ISSN 2249 3921. Pp 81-87
 9. Om Jee Ranjan, Subhash Anand, B. W. Pandey, Poonam Kumria and Yuvraj Singh Rathore (2023). Anthropogeographic Analysis of Arcanum in Eastern Himalaya: The Case of Monpa Tribe, Arunachal Pradesh. **The Eastern Anthropologist** Vol. 76: 1 & 2. Pp. 83-102.
 10. Tejaram Nitharwal and Bindhy Wasini Pandey (2023). Spatio-temporal analysis of local dairy farming along the Indira Gandhi canal in Rajasthan, India. **SAFER Sustainability, Agri, Food and Environmental Research**, (ISSN: 0719-3726), vol 13, 2023 <http://dx.doi.org/> Pp 01-15.
 11. Himanshu Mishra, Bindhy Wasini Pandey, Geoffrey Mukwada, Patricio De Los Rios, Narander Nigam & Netrananda Sahu (2023): Trapped within nature: climatic variability and its impact on traditional livelihood of Gaddi transhumance of Indian Himalayas, *Local Environment* DOI: 10.1080/13549839.2022.2162025 <https://doi.org/10.1080/13549839.2022.2162025> **Local Environment**. The International Journal of Justice and Sustainability ISSN: (Print) (Online) Journal homepage: <https://www.tandfonline.com/loi/cloe20> Routledge Taylor and Francis Group. IF 3.56
 12. Bindhy Wasini Pandey, Virender Singh Negi, Subhash Anand, Om Jee Ranjan, Ganesh Yadav and Shoryabh (2023). Estimation of anomalies and temporal temperature and precipitation trends in the Cryospheric Himalayan Highland Region (CHHR), Uttarkashi, Uttarakhand, India. **MAUSAM**, vol. 74, no. 1, pp. 29–42, Jan. 2023. DOI: <https://doi.org/10.54302/mausam.v74i1.875> Homepage: <https://mausamjournal.imd.gov.in/index.php/MAUSAM> **Open Access, Scopus Indexed, IF 0.9.**
 13. Suman Saurabh, B.W. Pandey and Abhay Shankar Prasad (2023). Geo-Environmental Hazard Issues, Challenges and Adaptation for Livelihood Security and Disaster Risk Reduction in Rudraprayag District, Uttarakhand. **International Journal of Ecology and Environmental Sciences**. Vol. 49: 139-153, 2023 ISSN: 2320-5199 (Online); <https://doi.org/10.55863/ijees.2023.2620>
 14. Om Jee Ranjan, Usha Rani, Subhash Anand, B.W Pandey, Geoffrey Mukwada, Patricio De Los Rios Escalante, Dilek Eren Akyuz and Ashwajeet Chaudhary (2023). Spatial-Temporal Analysis of Physio-Climatic Changes in Tawang-Chu River Basin, Eastern Himalaya in India. **International Journal of Ecology and Environmental Sciences**. Vol 49: 217-230, 2023 ISSN: 2320-5199 (Online); <https://doi.org/10.55863/ijees.2023.2626>
 15. Abhay Shankar Prasad, Bindhy Wasini Pandey, Swati Thakur, Awantika Ojha, Sambhawna Chaudhary and Usha Rani (2022). Risk Assessment and Industrial Hazards, Resilience and Disaster Risk Reduction for Sustainability, A Case Study of Industrial Area, Ghaziabad District, NCR Delhi. **Disaster and Development**. Vol. 11 Issue 02, July-December 2022. ISSN: 0973-6700. Pp 125-146.
 16. Sambhawna Chaudhary, Vaneeta Chandna, Usha K Pathak and B. W. Pandey (2022). Status of Women's Reproductive and Menstrual Health: A Socio-psychological Household

Prognostication of Meena Tribal Community of Karauli, Rajasthan. **Journal of the Anthropological Survey of India**. Pp. 01-21.

DOI: 10.1177/2277436X221126025.

17. Bindhy Wasini Pandey, Virender Singh Negi, Om Jee Ranjan, Ganesh Yadav and Prem Prakash (2022). Climatic variations and livelihood adaptations in Cryosphere district of Uttarkashi, Uttarakhand: A local public perception approach. Geographers **Transaction of the Institute of Indian Geographers (IIG)** ISSN 0970-9851 (Indexed in Scopus)
18. Vaneeta Chandna, B. W. Pandey, Om Jee Ranjan and Jyoti (2022). Status of Reproductive Health of Women in Himalaya: A Case Study of Selective Villages of, Uttarakhand, India. **Journal of the Anthropological Survey of India** 1–17 © 2022 Anthropological Survey of India Reprints and permissions: in.sagepub.com/journals-permissions-India, DOI: 10.1177/2277436X221092087 journals.sagepub.com/home/ans Pp 41-57.
19. Rani, Usha and Pandey, B. W. (2022). Systematic Literature Review of Indian Studies on Occupational Health Hazards of Rag Pickers. **The Horizon - A Journal of Social Sciences**, No.-1/2022, **Volume-XIII**, January 2022, pp. 142-150. ISSN-0975-5535 (Peer Reviewed).
20. Jitender Rathore, Roosen Kumar, Sonik Bora, Rikta Pal, Bindhy Wasini Pandey and Veer Singh (2022). Determining Land Use Land Cover Change and its Effects on Land Surface Temperature in Nainital District. **International Journal of Ecology and Environmental Sciences**. 48, 51-57. IISN: 2320 5199
21. B. W. Pandey, Yuvraj Singh, Roosen Kumar, Pushalal Ganesh, Riktapal and Madhusudan Ghosh (2021). Anthropogeographic Analysis of COVID-19 among the EAG States and top Covid 19 Affected States of India. **THE EASTERN ANTHROPOLOGIST** 74: 2 (2021) Pp. 219-240.
22. Bindhy Wasini Pandey, Yuvraj Singh, Usha Rani, Roosen, Archana Singh and Rikta Pal (2021). Geographical Analysis of the First Wave of Covid-19 with reference to Highland and Lowland Regions of India. DOI: 10.48008/ngji.1776, **National Geographical Journal of India (NGJI)**, An International Peer-Reviewed Journal, NGSJ-BHU, ISSN: 0027-9374/2021/1776, Vol. 67, No. 3, September 2021 Pp 263-281.
23. Ganesh Yadav. R. B. Singh. Subhash Anand. B. W. Pandey. Ashutosh Mohanty, Sushree Sangita Dash (2021). Ecological model analysis of respiratory health risk factors by ambient air pollution in Lucknow, the capital city of Uttar Pradesh, India. **GeoJournal** [https://doi.org/10.1007/s10708-021-10490-7\(0\)](https://doi.org/10.1007/s10708-021-10490-7(0)) Pp 01-15.
24. Mishra Martand Mani, Sahu Netrananda, Pandey B.W. and Singh R.B. (2021). Assessing Human Health Vulnerabilities in the Blocks of Kalahandi district of Odisha, India. **Disaster Advances**; Vol. 14 (4) April (2021) PP. 32-40. <https://worldresearchersassociations.com/disascurreissue.aspx>
25. Nishit, B.W. Pandey, Subhash Anand and Harish Kumar (2021). Demographic Transformation, Land use Change and its Environmental Implications in Kotla -Mubarakpur, New Delhi. **Indian Journal of Spatial Science**, ISSN: 2249 – 4316, ISSN: 2249 – 3921, **Spring Issue 2021, (1) Pp. 29-38.**
26. Shoryabh Srivastava, Rachana Rani Sharma, Bindhy Wasini Pandey, V.S. Negi and Jagbir Singh (2020). Prospect of Wood Ash in Land and Soil Reclamation for Livelihood Security in Dewa Block, Uttarakhand. **The Indian Geographical Journal** Volume 95 (2) June - 2020, ISSN 0019 4824. Pp. 241-254.

27. Ganesh Y*, Singh R B, Pandey B W, Aakriti G. (2020). Developing Composite Urban Respiratory Health Index for Lucknow Municipal Corporation. **Environ Anal Eco stud.** 7(4). **EAES.** 000667. 2020. DOI: 10.31031/EAES.2020.07.000667
28. Bindhy Wasini Pandey, Pushalal Ganesh, Rajan Maurya, Usha K. Pathak, Roosen Kumar, Madhusudan Ghosh and Yuvraj Singh, (2020). Spatial Distribution of outbreak of Locust Swarms: A Geographical Analysis of Vulnerability and Preventions in India **Sustainability, Agri, Food and Environmental Research**, (ISSN: 0719-3726), 8(X), <http://dx.doi.org/10.7770/safer-V0N0-art2262>
29. Richard Johnson, J. C Kuniyal, Kesar Chand, Alan Diduck, Esther Edward, James Gardner, Bindhy Wasini Pandey, Dev Dutt Sharma and Pushpam Singh (2020). Accelerating Change: Engaging Local Communities in Disaster Risk Reduction in The Indian Himalayan Region. Science Policy Brief. <https://doi.org/10.17870/bathspa.c.5036990.v1> and UNDRR Prevention Web: https://www.preventionweb.net/publications/view/72456?&a=email&utm_source=pw_email
30. Om Jee Ranjan, Subhash Anand, B. W. Pandey and Poonam Kumria (2020). Spatial Analysis of Physio-Climatic Changes and its Impact on Human Adaptation in Tawang Valley: A Case Study of Monpa Tribe, Eastern Himalaya. **THE EASTERN ANTHROPOLOGIST** 73: 1. ISSN: ISSN: 0012-8686. Pp. 125-138.
31. Rajan Maurya, V. S. Negi and B. W. Pandey (2020). Spatio-Temporal Analysis of Land Use/Land Cover Change Through Overlay Technique in Kinnaur District of Western Himalaya. **Sustainability, Agri, Food and Environmental Research (SAFER)** (ISSN: 0719-3726), 8(X), <http://dx.doi.org/10.7770/safer-V0N0-art2161>
32. Ganesh YADAV, R.B. SINGH, Subhash ANAND and B.W. PANDEY (2020). Growth Engines of Delhi-NCR: The Changing Nature and Pattern of Industrial Complexes. Journal of Urban and Regional Studies on Contemporary India 7(1): 11–23 (2020) **The Center for Contemporary India Studies, Hiroshima University, Japan.** <http://home.hiroshima-u.ac.jp/hindas/index.html>
33. Nikhil Roy, Bindhy Wasini Pandey, Usha Rani, (2020). Protecting the vanishing geo-cultural heritage of India: Case study of Majuli Island in Assam. **Elsevier International Journal of Geoheritage and Parks.** PII: S2577-4441(20)30013-7 DOI: <https://doi.org/10.1016/j.ijgeop.2020.03.003> ISSN: 2577-4441, e-ISSN: 2577-445X
34. Arora, Mamta., Bandooni, S. K. and Pandey, B. W. (2019). Urban Agricultural Land Use Planning for Delhi-Central National Capital Region (CNCR). **Transactions**, Journal of the Institute of Indian Geographers. Volume 41, No. 02, July 2019. Pp.257-270.
35. Mishra, Himanshu and Pandey, B. W. (2019). Navigating the Impacts of Social and Environmental Changes to Traditional Lifestyle: A Case Study of Gaddi Transhumance of Chamba District in Himachal Pradesh. **The Oriental Anthropologist.** DOI: 10.1177/0972558X19862391. Volume. 19 (2) ISSN: 0972558X. Pp.326-337.
36. Kumar Harish, Pandey, B.W., Anand Subhash (2019). Analyzing the Impacts of forest Ecosystem Services on Livelihood Security and Sustainability: A Case Study of Jim Corbett National Park in Uttarakhand. **ELSEVIER International Journal of Geoheritage and Parks** 7 (2019) 45–55. <http://www.keaipublishing.com/en/journals/international-journal-of-geoheritage-and-parks/> <https://doi.org/10.1016/j.ijgeop.2019.05.003>. ISSN: 2577-4441
37. B. W. Pandey, V. S. Negi, Vaneeta Chandna and Gayatri Meena (2017). Pre-natal Health Status of Marginal Peasant Women in Lachigad Watershed, Uttarakhand. **The Eastern Anthropologist.** Vol. 70 No.3-4. July-December 2017. ISSN: 0012-8686. Pp. 327-343.

38. Mishra, Himanshu and Pandey, B. W. (2017) Spatio-Temporal Analysis of Land Use Land Cover Change in Chamba District, Himachal Pradesh. **Eastern Geographer**: Vol. XXIII, No. 01, January 2017, Pp. 175-180. ISBN: 0973-7642.
39. B. W. Pandey, Rinku Kumari, Usha Rani and O. J. Ranjan (2017). Horticulture Development in Himalaya: A Case Study of Lachhi gad Watershed, Uttarakhand. **The Horizon**. No. 2/2017, Volume- VIII July 2017. ISSN-0975-5535. Pp. 153-163.
40. Abhay S. Prasad, Bindhy W. Pandey, Walter Leimgruber and Ripu M. Kunwar (2016). Mountain hazard susceptibility and livelihood security in the upper catchment area of the river Beas, Kullu Valley, Himachal Pradesh, India in Springer **Journal Geoenvironmental Disasters** (29/02/2016) 3:3 DOI 10.1186/s40677-016-0037-x. Pp. 01-17. ISSN: 2197-8670
41. Nikhil Roy and Bindhy Wasini Pandey (2016). Concept and Practices in Disaster Management. In **World Focus**. A Premier Indo-centric Foreign Affairs Journal, Special Issue on Disaster Management and Mitigation. May, 2016. ISSN 2230-8458. Volume XXXVII Number 05, May 2016. Pp. 127-129.
42. B. W. Pandey (2015). Anthropogeography of High Altitude Transhumance Region of Western Himalaya **The Eastern Anthropologists**. Vol.68. No. 4 October–December 2015. ISSN: 0012-8686. (Ethnographic and Folk Culture Society Lucknow, India). Pp. 527-545.
43. R. B. Singh, B. W. Pandey and Abhay Shankar Prasad (2014). Adaptation Strategies for Flood Risk Mitigation in Lower Brahmaputra River Basin, Assam through Integrated River Basin Management. **Transactions, Institute of Indian Geographers (IIG)**. Vol.36. No. 2, 2014. Pp. 159-170. ISSN 0970-9851.
44. B. W. Pandey (2001). Landslides Hazard, Mechanism Assessment and Mapping in Himachal Himalaya. **Annals of the National Association of Geographers of India (NAGI)** Vol. XXI, Number 1, June 2001, pp. 23-35. ISSN: 0970972X
45. R. B. Singh and B. W. Pandey (1996). Environmental Monitoring of Particulate Matter and Pollution in Major Rivers of India. In (K. Hartmut and Wilfried eds.) **Advances in Limnology 47, Official Journal of the International Association for Theoretical and Applied Limnology**. E. Schweizerbart's sche Verlags Buchhandlung Publication. Stuttgart, Germany 1996, pp. 557-561. ISSN: 0047-0557
46. B. W. Pandey (1995). Environmental Degradation and Vanishing Livelihood Security in Western Himalaya, Himachal Pradesh. In **Deccan Geographical Journal**, Pune, Vol. 33, No. 2 (July to December 1995), pp. 112-120. ISSN: 0011-7269
47. R. B. Singh and B. W. Pandey (1993). Environmental and Human Response to Hydro Geomorphology: Micro Level Study of Ganga Basin. **Journal of Scientific Research**. Vol. 43 (1&2), 1993. Banaras Hindu University, pp. 153-167. ISSN: 0447-9483.

Research Papers (Published as Chapters in Books and Proceedings)

1. Prasad, A.S., Pandey, B.W., Abhay, R.K., Priyanka (2024). Assessment of Fire Disaster Risk Reduction in Higher Educational Institutions in Delhi. In: Sharma, V.R., Chandrakanta (eds) **Making India Disaster Resilient**. Springer, Cham. https://doi.org/10.1007/978-3-031-50113-5_12; ISSN No- Print ISBN, 978-3-031-50112-8; Online ISBN 978-3-031-50113-5. Pp. 165-184.
2. Bindhy Wasini Pandey, Abhay Shankar Prasad and Jitendra Kumar Mahto (2021). Impact of Land Use Change on Livelihood Options: A Case Study of Upper Pasolgaad Watershed, Uttarakhand. In B. Thakur *et.al.*, (Eds), **Resource Management, Sustainable Development and Governance: Indian and International Perspective @ Springer Nature Switzerland AG, 2021,**

Sustainable Development Goals Series, ISSN- 2523-3084, and ISBN- 978-3-030-85838-4, DOI- <http://doi.org/10.1007/978-3-030-85839-1>

3. Ecological Challenges and Vulnerability Assessment for Exploring the Adaptation-Development Nexus for Sustainability in Alaknanda River Basin, Uttarakhand, India. (Bindhy Wasini Pandey, Subhash Anand, V. S. Negi, Usha Pathak and Abhay Shankar Prasad) *Advances in Geographical and Environmental Sciences*. (Seema Sahdev , R. B. Singh , Manish Kumar eds.) **Geoecology of Landscape Dynamics**. ISSN 2198-3542 ISSN 2198-3550 (electronic) *Advances in Geographical and Environmental Sciences* ISBN 978-981-15-2096-9 ISBN 978-981-15-2097-6 (eBook) <https://doi.org/10.1007/978-981-15-2097-6> © Springer Nature Singapore Pte Ltd. 2020.
4. Planning for Healthy and Sustainable Urbanization: A Case Study of National Capital Territory, Delhi (B. W. Pandey, Himanshu Mishra and Usha Kumari Pathak) V. R. Sharma and Chandrakanta (eds.), **Making Cities Resilient**, The Urban Book Series, https://doi.org/10.1007/978-3-319-94932-1_5, ISSN 2365-757X ISSN 2365-7588 (electronic) The Urban Book Series ISBN 978-3-319-94931-4 ISBN 978-3-319-94932-1 (eBook) Springer Nature Switzerland AG 2019 © Springer Nature Singapore Pte Ltd. 2020.
5. Environmental Psychology and Health Care Cost: Understanding the Well-Being Level of Delhi Residents. (Swati Rajput, Kavita Arora, Rachna Mathur and Bindhy Wasini Pandey). In Sharma V., Chandrakanta (eds) **Making Cities Resilient. The Urban Book Series, Cham. Springer**. DOI https://doi.org/10.1007/978-3-319-94932-1_14. ISBN: 978-3-319-94931-4 (Print) 978-3-319-94932-1 (Online). Pp. 191-204.
6. Risk from Natural Hazards in the Manali Area. (J. S. Gardner, B. W. Pandey, and R. B. Singh). In F. Berkes and J.S. Gardner (ed.) **Sustainability of Mountain Environment in India and Canada**. Natural Resources Institute, University of Manitoba Publication Canada. 1997, pp. 237-258.
7. A Mountain Watershed Ecosystem in the Himachal Pradesh. (F. Berkes, G. S. Chauhan, I. Davidson Hunt, K. Davidson Hunt, C. Duffield, J. S. Gardner, L. Ham, B. W. Pandey, J Sinclair, R. B. Singh and M. Thakur). In F. Berkes and J.S. Gardner (eds.) **Sustainability of Mountain Environments in India and Canada**. Natural Resources Institute, the University of Manitoba. Winnipeg, Canada, 1997, pp. 19-48.
8. Snow Melting Variation and Environmental Effects: Micro Level Study of Himalayan Rivers. (B. W. Pandey and R. B. Singh). In Y.M. Yeung (ed.) **Global Change and the Commonwealth**, Chinese University of Hong Kong Press, 1996, pp. 433-445. ISBN: 962-441-526-9
9. Common Resources and Sustainable Livelihood of Mountain Environment: Micro Level Experience of Upper Kullu Valley. (R. B. Singh and B. W. Pandey). In R.B. Singh and M.J. Haigh (eds.) **Sustainable Reconstruction of Highland and Headwater Regions**, 1995, Oxford & IBH Publication. New Delhi, pp. 663-681. ISBN: 81-2041035-1
10. Sikkim Himalaya: Geographical System, Socio-economic Changes and Peoples' Perceptions. (R. B. Singh and B. W. Pandey). In M.P. Lama (ed.) **Sikkim Himalaya**, Indus Publication, New Delhi, 1994, pp. 557-561. ISBN: 81-7387-013-6.

Conference Organization/ Presentations (in the last one year)

1. Organized One Day Workshop on **UGC-UKIERI International Collaboration Project on HiFlo-DAT: Indian Himalayan Flood Database, for Disaster Risk Reduction**. Committee Room, International Guest House, University of Delhi on May, 30, 2024.

2. Organized an International Collaborations Seminar on “**Himalayan Geosystem: Society and Sustainability**” organized by Centre for Himalayan Studies in collaboration with University of Cumbria and Bath Spa University at Conference Centre, University of Delhi, 24th, May, 2024.
3. Organized 01 Day’ **International Academic Collaboration Workshop of University of Cumbria and University of Bath Spa with University of Delhi** at Vice Chancellor Committee room, Vice Regal Lodge, University of Delhi on Friday May 21, 2024.

Presentations during 2023-24

1. **As a Resource Person** Delivered an Invited Lecture on “Causes and Consequences of Climate Change in Himalaya: A Geographical Perspective” at the Faculty Induction Programme (FIP-5), UGC Malviya Mission Teacher Training Centre (MMTTC), Centre for Professional Development in Higher Education (CPDHE), University of Delhi. 01/8/2024.
2. As a **Chief Guest/ Invited Speaker/Resource Person**, delivered an Inaugural Lecture on “Hydrospheric Dynamics and Sustainable Development” On the occasion of World Ocean’s Day, June 08th, 2024. Department of Geography, Royal Global University, Guwahati, Assam.
3. As a **Chief Guest/ Invited Speaker/Resource Person**, delivered an Inaugural Lecture on “Facing Water Crisis Amid Heatwaves”. Department of Geography, National Post Graduate College, Lucknow. June 1st, 2024.
4. As a **Chief Guest/ Invited Speaker/Resource Person**, delivered an Inaugural Lecture on “Causes and Consequences of Climate Change in Himalaya: A Geographical Perspective” Department of Geography, Birpara College. May 14, 2024.
5. As a **Chief Guest/ Invited Speaker/Resource Person**, delivered an Inaugural Lecture on “Perspectives on the Dynamics of the Himalayan Geosystem” Department of Geography, Siliguri Mahila Mahavidyalaya. May, 13, 2024.
6. As a **Chief Guest/ Invited Speaker/Resource Person**, delivered an Inaugural Lecture on “Geoenvironmental Hazards in Himalaya” Annual GeoFest of the Department of Geography, Shaheed Bhagat Singh Eve. College, University of Delhi. April 27th, 2024.
7. As a **Chief Guest/ Invited Speaker/Resource Person**, delivered an Inaugural Lecture on “Himalayan Ecosystem and Mission LiFE .” Kshitiz The First GeoFest of the Department of Geography, Indraprastha College, University of Delhi. April 24, 2024.
8. As a **Chief Guest/ Invited Speaker/Resource Person**, delivered an Inaugural Lecture on “Himalayan GeoLab: Investigations of Climate Change and Livelihood Sustainability.” Department of Geography, GVM Girls College, MD University, Sonipat. March 14, 2024.
9. As an **Invited Speaker/Resource Person**, delivered a Lecture on “Common Property Resources and Livelihood Challenges in Himalayan Geosystem.” Refresher Course/ Faculty Development Programme at Swami Shradhanand College, University of Delhi. March 09, 2024.
10. As a **Chief Guest/ Invited Speaker/Resource Person**, delivered an Inaugural Lecture on “Impact of Climate Change on Livelihood Sustainability of High Altitude Region of Himalaya.” Department of Geography, Gujarat University Ahmedabad. February 28, 2024.
11. As an **Invited Speaker/Resource Person**, delivered a Lecture on “Assessment of Hazards and Risk in Himalaya: Vulnerabilities, Opportunities and Adaptations through Climate Dynamics. International Conference, Pachhunga University College, Mizoram. February 21, 2024.
12. As a **Chief Guest/ Invited Speaker/Resource Person**, delivered an Inaugural Lecture on “Himalaya: A Global, Regional and Local Perspectives of Climate Change, Ecology and Livelihood Sustainability Challenges and Management.” Department of Geography, Dyal Singh College, University of Delhi. February 14, 2024.

13. As an **Invited Speaker/Resource Person**, delivered a Lecture on “Climate Change Forest Resources and Ecological Restoration and Management in Indian Himalaya. International Conference on Emerging Issues in Environment, Livelihood and Development: A Future Roadmap Towards Sustainable Earth, Department of Geography, North Bengal University, WB. January 27-28, 2024.
14. As an **Invited Speaker/Resource Person**, delivered a Lecture on “Climate Change Adaptation and Mitigation in Leh-Ladakh” in Technical session II Climate Change Adaptation and Mitigation, In 103rd Foundation day Celebration, Department of Geography, Jamia Millia Islamia, new Delhi on 30th October 2023.
15. **As an Invited Key-note Speaker** during the technical session titled “Poverty, Health, Geopolitics, and Sustainable Livelihood in Crisis and Recovery” at the IGU/ICSSR sponsored **International Conference on Geographical Dimensions of Sustainability and Recovery: Social, Cultural and Environmental Concerns** organized by Department of Geography, Delhi School of Economics, University of Delhi, October 3-4, 2023.
16. **As a Chief Guest/ Inaugural Session Speaker**, Online Training Programme-cum-Workshop (Series 1) “**Geo-informatics Research Tools and Techniques for Advanced Academic Research**”, Department of Geography, Miranda House, University of Delhi, Delhi, September 2, 2023.
17. Participated by presenting a paper entitled “Climate Change and Vulnerability in Indian Himalaya” at the Department of Geography, Kwansei **Gakuin University Japan** under ICSSR (India) and JSPS (Japan) bilateral research programme from March 10th to March 18, 2023.

Research Projects (Major Grants/Research Collaboration)

1. **P. I. Institution of Eminence, University of Delhi, Faculty Research Programme Major Research Project 2022-2025 (MRP)** Monitoring and Mapping Climate Driven Glacial Retreat (CliDr- GlaR) and Modeling of Hydro- Flow- Shed Delineation (Hy-FloSheD) of Bea-Chen Pir Panjal (Beas – Chenab Valley of Pir Panjal Range), Lesser Himalaya.
2. **P. I. Institution of Eminence, University of Delhi, Faculty Research Programme Research Project** on Springshed Delineation and Flow Network Assessment (SD-Flow NetAs) for Livelihood Security of Local Community in Upper Beas Valley, Himachal Pradesh, 2021-2022.
3. **Project Director: Impactful Policy Research in Social Sciences (IMPRESS)** Indian Council of Social Science Research (**ICSSR**) Ministry of Human Resource Development (**MHRD**) Major Research Project (April 2019-March 2021). “Assessing Human Adaptability for Building Policy Framework against Climate Variability in High Altitude Basins of Leh, India”
4. **P. I. Institution of Eminence, University of Delhi, Faculty Research Programme Research Project** on Cryosphere Dynamics and Human Adaptations: Implications of Food and Livelihood Linkages in Uttarkashi District, Uttarakhand, India. 2020-2021.
5. **PI British Council International Collaboration:** UGC-UKIERI-III Project 2018-2020 on "(Hi Flo-DAT): Indian Himalayan Flood Database, for Disaster Risk Reduction" between University of Delhi, India and University of Bath Spa, UK.
6. **PI in Research and Development Grant** 2015-16, University of Delhi Project on Cryosphere Hazard Susceptibility and Vulnerability Assessment for Livelihood Security in Mid Altitude Region of Western Himalaya.

7. **Mentor in Innovative Research Project** on Stipulating the Role of Agriculture and Forestry in the Urban Environment: Mapping and Analysing Green Spaces of Delhi. Department of Geography and Department of Economics, Shaheed Bhagat Singh College, University of Delhi.
8. **PI in Research and Development Grant** 2014-15, University of Delhi Project on Impact of Rural Water Supply on Livelihood Security in Lower Ganga-Gomati Doab.
9. **PI in Innovative Research Project** 2013-14 on Religious Segregation in the Residential Pattern of Delhi: A Study in Causes Measurement and Consequences. University of Delhi, Shaheed Bhagat Singh Eve. College Research Unit.
10. **Research Assistant for the Canada International Development Agency (CIDA)–Shastri Indo-Canadian Institute (SICI)** Partnership Project on Sustainable Development of Mountain Environments in India and Canada. June 1994 to June 1996.
11. **Research Assistant for the Government of India, Ministry of Agriculture** Project on Perspective Plan for Land Resources in Northwest India. March 1993 to May 1994.

Awards and Distinctions

1. **National Association of Geographers, India (NAGI)**, Young Geographers Award 2000, Dharwad, Karnataka, India.

Association With Professional Bodies

1. The Indian Science Congress Association (**ISCA**) (L-32154)
2. Life Member National Association of Geographers India (**NAGI**).
3. Life Member and Member of the Executive Committee, Indian Council of Geographers (**ICG**).
4. Corresponding Member, International Geographical Union (**IGU**),
5. Corresponding Member, Commonwealth Geographical Bureau (**CGB**).
6. Life Member, Deccan Geographical Society (**DGS**).
7. Life Member and Secretary of Indian Institute of Geographers (**IIG**).
8. Life Member, Association of Geographical Studies (**AGS**).
9. Life Member, Ethnographic and Folk Culture, Society (**EFCS**)
10. Executive Member of International Geoscience Education Organization (**IGEO**)
11. Life Member of the Geographical Society of the North Eastern Hill Region, India (L -1986)
12. Life Member, **Eastern Geographer**.
13. Life Member, National Geographical Society of India (**NGSI**)

Other Activities

1. **Sectional Recorder, Earth System Sciences (ESS) Indian Science Congress** for 106 and 107 Sessions of Indian Science Congress (2018-19, 2019-20).
2. **Member of Departmental Research Committee (DRC)** Department of Geography, Delhi School of Economics, University of Delhi 2014-2016, 2018-2020 and 2024-25.
3. Executive External (International) **Member of the Advisory Board the Afromontane Research Unit (ARU)** Advisory Board, University of the Free State, (UFS) Qwa Qwa Campus, South Africa. Private Bag X13, Phuthaditjhaba, 9866 Republic of South Africa

4. **Executive Member of Council:** International Geosciences Education Organization (IGEO) for the Years 2010-2014 and 2016-2020.
5. **Secretary of the Governing Council:** Institute of Indian Geographers (IIG) for the Years 2010-2013 and 2017-2019.
6. **Joint Secretary of Executive Committee:** National Association of Geographers India (NAGI) for the Years 2002-2006.
7. **Reviewer:** GeoJournal

Fieldwork in the Last 02 Years

1. Conducted Fieldwork in Dalhousie-Khajjiar-Kakira Region Himachal Pradesh, under the **Institution of Eminence, University of Delhi, Faculty Research Programme, Major Research Project 2022-2025 (MRP)** Monitoring and Mapping Climate Driven Retreat (CliDr-GlaR) and Modelling of Hydro-Flow-Shed Delineation (Hy-FloSheD) of Bea-Chen Pir Panjal (Beas – Chenab Valley of Pir Panjal Range), Lesser Himalayas, during July 06-10, 2024.
2. Conducted Fieldwork under the **Institution of Eminence, University of Delhi, Faculty Research Programme, Major Research Project 2022-2025 (MRP)** Monitoring and Mapping Climate Driven Retreat (CliDr-GlaR) and Modelling of Hydro-Flow-Shed Delineation (Hy-FloSheD) of Bea-Chen Pir Panjal (Beas – Chenab Valley of Pir Panjal Range), Lesser Himalayas in Upper Lahul Spiti Valley, Himachal Pradesh, May 02-08, 2024.
3. Conducted Fieldwork under the **Institution of Eminence, University of Delhi, Faculty Research Programme, Major Research Project 2022-2025 (MRP)** Monitoring and Mapping Climate Driven Retreat (CliDr-GlaR) and Modelling of Hydro-Flow-Shed Delineation (Hy-FloSheD) of Bea-Chen Pir Panjal (Beas – Chenab Valley of Pir Panjal Range), Lesser Himalayas in Kalpa Tehsil, Himachal Pradesh, March 11-14, 2024.