



# Miranda House UNIVERSITY OF DELHI

**Name: Dr. Om Jee Ranjan**

**Department:** Geography

**Current Designation:** Assistant Professor

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**Profile Weblink:**

[https://www.mirandahouse.ac.in/academics/departments/geography/geography\\_faculty.php](https://www.mirandahouse.ac.in/academics/departments/geography/geography_faculty.php)

[https://www.mirandahouse.ac.in/academe/file\\_uploads/for-websites/390/cv-website-390.pdf](https://www.mirandahouse.ac.in/academe/file_uploads/for-websites/390/cv-website-390.pdf)

[https://scholar.google.com/citations?user=bsIS\\_YgAAAAJ&hl=en](https://scholar.google.com/citations?user=bsIS_YgAAAAJ&hl=en)

<https://duac.academia.edu/omjeeranjan>

[https://www.researchgate.net/profile/Om\\_Ranjan2](https://www.researchgate.net/profile/Om_Ranjan2)



**ORCID ID:** <https://orcid.org/0000-0002-6058-1578>

**Official Address:** Room No. -203, Department of Geography, Miranda House, University of Delhi, GC Narang Road, Delhi- 110007

**Academic Qualifications:** M. A., M. Phil., and Ph.D. (In Geography)

**Research Degree(s):** M. Phil. (2014, University of Delhi); Ph.D. (2022, University of Delhi)

**Field of Specialization under the Subject/Discipline:** Geoinformatics; Geo-Environmental Applications; Field Work & Research Methodology; Environmental Hazards & Disasters assessment and management, Mountain Ecology; Climate Change Exposure, Vulnerability and Adaptation in Himalayas and Livelihood Sustainability Analysis in Mountains. Physical Geography, Climatology, Geomorphology, Oceanography, Economic Geography, Environmental Impact and Risk Assessment and Indian Geography.

**Super- Specialization:** Physical Geography: Basic Characteristic, Climatology, Natural Resources, Climatology, Physical Features, Vegetation and Fauna, Climate Change and Disaster Management

**Economic Geography:** Agriculture, Infrastructure Power and Energy, Transportation and Communication, Trade and Industry.

**Social Geography:** Livelihood, Sustainable Development, Population, Religions, Tribes, Poverty and Unemployment



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**Applied Geography and Geoinformatics:** Using Remote Sensing and other spatial-non-spatial data on Google Earth engine, ArcMap, QGIS, GRASS, SAGA, HEC-HMS, HEC-RAS, ERDAS, ENVI, Fire Dynamics Simulator (FDS) and ANUGA Hydro

**Total Research Experience:** Thirteen (13) Years

**Total Teaching Experience:** Nine (09) Years

1. **Taught as a Guest Faculty** - at Department of Geography, Swami Shraddhanand College from (July 2016 to March 2019).
2. **Taught as a Guest Faculty** - at Department of Geography, Shaheed Bhagat Singh (Evening) College from (January 2016 to March 2019).
3. Teaching at **Department of Geography, Miranda House, University of Delhi** since: 2019

### List of Publications:

Research Papers (Peer Reviewed Journals)

1. From Policy to Action: India's Commitment to Climate Change at COP 28. Jan 2024 (Bindhy Wasini Pandey, Divya and Om Jee Ranjan). World Focus. 45(529):40-45 E-ISSN 2581-5083 [https://www.worldfocus.in/current\\_issue](https://www.worldfocus.in/current_issue)
2. Food Systems and COP28 in the face of Climate Change: A Global Perspective and Context. Jan 2024 (Bindhy Wasini Pandey, Om Jee Ranjan and Ritika Chitlangia). World Focus. 45(529):73-78 E-ISSN 2581-5083 [https://www.worldfocus.in/current\\_issue](https://www.worldfocus.in/current_issue)
3. नीति से कार्रवाई तक: COP28 में जलवायु परिवर्तन के लिए भारत की प्रतिबद्धता. (Bindhy Wasini Pandey, Divya and Om Jee Ranjan). World Focus 142. E-ISSN 2581-5083 [https://www.worldfocus.in/current\\_issue](https://www.worldfocus.in/current_issue)
4. जलवायु परिवर्तन के सामने खाद्य प्रणाली और COP28 : एक वैश्विक परिप्रेक्ष्य और संदर्भ. (Bindhy Wasini Pandey, Om Jee Ranjan and Ritika Chitlangia). World Focus 142. E-ISSN 2581-5083 [https://www.worldfocus.in/current\\_issue](https://www.worldfocus.in/current_issue)
5. Anthropogeographic Analysis of Arcanum in Eastern Himalaya: The Case of Monpa Tribe, Arunachal Pradesh, 2023 (Om Jee Ranjan, Subhash Anand, B.W Pandey, Poonam Kumria and Yuvraj Singh) The Eastern Anthropologist 76 (1 & 2), 83 -102 UGC CARE LIST-A (Serial No. 777) with Scopus indexed 0.77 IF Home Page: [https://serialsjournals.com/index.php?route=product/product&product\\_id=377](https://serialsjournals.com/index.php?route=product/product&product_id=377)
6. COP 27: Indian Perspective Towards Global Climate Action. Jan 2023 (Bindhy Wasini



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- Pandey, Om Jee Ranjan and Divya). World Focus 44(517):23-28. E-ISSN 2581-5083  
[https://www.worldfocus.in/current\\_issue](https://www.worldfocus.in/current_issue)
7. Estimation of anomalies and temporal temperature and precipitation trends in the Cryosphere Himalayan Highland Region (CHHR), Uttarkashi, Uttarakhand, India Bindhy Wasini Pandey, Virender Singh Negi, Subhash Anand, Om Jee Ranjan, Ganesh Yadav and Shoryabh "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>
  8. Spatial-Temporal Analysis of Physio-Climatic Changes in Tawang-Chu River Basin, Eastern Himalaya in India, January, 2023 (Om Jee Ranjan, Usha Rani, Subhash Anand, B.W Pandey, Geoffrey Mukwada, Patricio De Los Rios Escalante, Dilek Eren Akyuz and Ashwajeet Chaudhary) International Journal of Ecology and Environmental Sciences. 49: 217-230, 2023. SSN: 2320-5199 (Online); <https://doi.org/10.55863/ijees.2023.2626> © NATIONAL INSTITUTE OF ECOLOGY, NEW DELHI.
  9. Climatic variations and livelihood adaptations in cryosphere district of Uttarkashi, Uttarakhand: A local public perception approach. 2022 (Bindhy Wasini Pandey, Virender Singh Negi, Om Jee Ranjan, Ganesh Yadav and Prem Prakash) Trans. Inst. Indian Geographers. Vol. 44(1): 93-110. ISSN 0970-9851 Scopus indexed
  10. Status of Reproductive Health of Women in Himalaya: A Case Study of Selective Villages of, Uttarakhand, India. (Vaneeta Chandna, B. W. Pandey, Om Jee Ranjan and Jyoti). Journal of the Anthropological Survey of India. 71(1) April 2022. doi:10.1177/2277436X221092087 Scopus indexed  
<https://doi.org/10.1177/2277436X221092087>
  11. Climate Change Concern and COP26: An Indian Context of Climate Action and Support. (B. W. Pandey, Om Jee Ranjan and Suman Saurabh). Jan, 2022. World Focus 43(505):10-15. E-ISSN 2581-5083 [https://www.worldfocus.in/current\\_issue](https://www.worldfocus.in/current_issue)
  12. Spatial Analysis of Physio-Climatic Changes and Its Impact on Human Adaptation in Tawang Valley: A Case Study of Monpa Tribe, Eastern Himalaya. (Om Jee Ranjan, Subhash Anand, B. W. Pandey, and Poonam Kumria). June, 2020. The Eastern anthropologist 73(1):125-138. Pp. 125-138. Ethnographic and Folk Culture Society, Lucknow. ISSN: - 0012-8686 UGC CARE LIST-A (Serial No. 777) with Scopus indexed 0.77 IF  
[https://serialsjournals.com/index.php?route=product/product/volumearticle&issue\\_id=581&product\\_id=337](https://serialsjournals.com/index.php?route=product/product/volumearticle&issue_id=581&product_id=337) [https://serialsjournals.com/abstract/52834\\_7-b\\_w\\_pandey.pdf](https://serialsjournals.com/abstract/52834_7-b_w_pandey.pdf)  
[https://serialsjournals.com/index.php?route=product/product&product\\_id=377](https://serialsjournals.com/index.php?route=product/product&product_id=377)



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13. Mapping The Management Practices of Domestic E-Waste: A Case Study of West Delhi. (Shitika Bhatia, Subhash Anand, Virendra Nagarale and Om Jee Ranjan). The Indian Geographical Journal Volume 95 (1) June - 2020, pp 123-135 ISSN 0019-4824 [http://igschennai.org/IGJ/IGJVol\\_95\\_2020\\_\(Issue1\).pdf](http://igschennai.org/IGJ/IGJVol_95_2020_(Issue1).pdf) <https://igschennai.org/>
14. Horticulture Development in Himalaya: A Case Study of Lachi Gad Watershed, Uttarakhand. (Bindhy Wasini Pandey, Rinku Kumari, Usha Rani and Om Jee Ranjan, 2017). The Horizon: A journal of Social Sciences. No. II/2017, Vol.VIII, July 2017. ISSN-0975-5535. Pp. 153-163 <https://thehorizonjournal.in/>
15. Water Pollution and its Impact on Human Health: A Case Study of Allahabad City, Uttar Pradesh (Bindhy Wasini Pandey, Om Jee Ranjan, Anubha Srivastava and Abhay Shankar Prasad) International Journal of Interdisciplinary Research in Science Society and Culture (IJIRSSC) Vol: 3, Issue:1, (June Issue), 2017. ISSN: (P) 2395-4345, (O) 2455-2909. Pp. 14-28 UGC CARE LIST (Serial No. 4486) Journal No. 46891. Till 2019 <http://www.ijirssc.in/web/v/index.php> <http://ijirssc.in/pdf/1497204749.pdf>
16. Spatio-Temporal analysis of Land Use Changes: A Case Study of Rewari District, Haryana (Prastha Rajoria, B. W. Pandey and Om Jee Ranjan) The Horizon: A journal of Social Sciences. No. II/2016. Vol.VII, July, 2016. ISSN-0975-5535. Pp. 01-11 <https://thehorizonjournal.in/> <https://thehorizonjournal.in/wp-content/uploads/2019/04/july-2016.pdf>
17. Pivotal Role of Prevailing Informal-Credit-System on Socio-Economic Optimization in Detached Villages: A Case Study of Three Villages of Bihar (Om Jee Ranjan, B. W. Pandey) International Journal of Interdisciplinary Research in Science Society and Culture (IJIRSSC) Vol: 1, Issue: 2, (December Issue), 2015 ISSN: (P) 2395-4335, (O) 2455-2909. Pp. 01-13. UGC CARE LIST (Serial No. 4486) Journal No. 46891. Till 2019.
18. Some Aspects on Prevailing Trends of Borrowing Money with Special Reference to a Remote Rural Area in Arunachal Pradesh. (Om Jee Ranjan, B. W. Pandey and Subhash Anand). The Horizon: A journal of Social Sciences. No. II/2015, Vol.VI, July 2015. ISSN-0975-5535. Pp. 137-148. <https://thehorizonjournal.in/>

### Published in Proceedings and Chapters in Books

1. Spatio- Temporal Analysis of cropping Patterns of Different Crops: A Case Study of Rewari District, Haryana. (Prastha Rajoria, B. W. Pandey and Om Jee Ranjan). 2020. In Punyatoya Patra, Roshani Devi and Gaurav Sikka (eds.). Smart Agriculture: Ancient Wisdom and Modern Technology. Rawat Publication, Delhi, 2020. Chapter 12. Pp. 149-156. ISBN 978-81-316-11371



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2. Water Resource potentiality, Problems and its Management. (B. W. Pandey, Om Jee Ranjan, Rini Majumdar and Harish Kumar). 2018. In Seema Sahdev and Manish Kumar (Eds.). Environment and Sustainable Development: A Geographical Appraisal. Concept Publication Company Pvt. Ltd. New Delhi. 2018. Pp. 03-17 ISBN: 978-93-5125-189-7.
3. GIS Based Landslide Susceptibility Analysis along the National Highway 10 and State Highway 12A. (Bindhy Wasini Pandey, Anand Malik, Om Jee Ranjan and Alankita Kundu, 2017) In V. S. Negi, Jagbir Singh, Vaneeta Chandana and Anupama M. Hasija (eds.) Dimensions of Development: Implications and Management Research India Press New Delhi. 2017. Pp. 42-60 ISBN: 978-93-5171-113-1
4. Adaptation and Sustainability in Development: Case Study of Tawang District, Arunachal Pradesh (Om Jee Ranjan and Subhash Anand, 2017), In (Bindhy Wasini Pandey, V. S. Negi and Poonam Kumria eds.) Environmental Concerns and Sustainable Development in Himalaya. Research India Press, New Delhi. 2017. Pp. 261-217, ISBN 978-93-5171-104-9
5. Ecological Restoration and Livelihood Sustainability through Mixed Forestry in Himalaya: A Case Study of Kot Malla Village, Rudra Prayag Uttarakhand. (Bindhy Wasini Pandey, Suman Saurabh, Om Jee Ranjan and Anita Singh, 2017). In (Bindhy Wasini Pandey, V. S. Negi and Poonam Kumria eds.) Environmental Concerns and Sustainable Development in Himalaya. Research India Press, New Delhi. 2017. Pp. 176-193, ISBN 978-93-5171-104-9
6. Geographical Analysis of Domestic Water Supply and Management in Rewari Block, Rewari District, Haryana. (Prastha Rajoria, B. W. Pandey and Om Jee Ranjan) In B. W. Pandey (ed.) Water Resources Potentiality, Vulnerability and Management Indian Experiences Research India Press, New Delhi. 2017. Pp. 122-300. ISBN: 978- 93-5171-095- 0
7. Food Security in India: Policy Challenges and Performance (B. W. Pandey, Abhay Shankar Prasad, Om Jee Ranjan and Himanshu Mishra). In Baleshwar Thakur, H S Sharma, Suresh Mishra, S. Chattopadhyay and Surendra Kumar (eds.) Regional Development Theory and Practice. Vol.4. Development Policies. Concept Publishing Company Pvt. Ltd. New Delhi. Pp. 260-273. ISBN 978-93-5125-206-1 (Vol.4) in 2016
8. Understanding cultivation Ecology in Tawang-Chu River Basin Arunachal Pradesh (Om Jee Ranjan, S. Anand and B. W. Pandey) In Paramjit Singh (ed.) Climate Change and Sustainable Development. Shabdvani Prakashan, New Delhi. Pp. 189-203. ISBN. 978-81-931358-0-8 I (in 2016)



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9. Dynamics of Land Use Change in Haryana: A Geographical Analysis. (B. W. Pandey, Prastha Rajoria and Om Jee Ranjan) In V. A. V. Raman (ed.) Geoanthropogenic Environment an Appraisal. A. K. Publications, Delhi. 2016. Pp. 283–289. ISBN: 978-93-85022-73-9

10. Borrowing Trend Economy and Its Impact on Education in Isolated Rural Area: A Case Study of Aurangabad District, Bihar. (2014). (Om Jee Ranjan and Anjan Sen) in R. Thakur, I. Jeet, R. K. Abhay and S. Thakur (eds.) Resources and Regional Development in India, Rawat Publication, Delhi, 2014. Pp. 230-246. ISBN 978-81-316-0641-4

### Research Projects:

Research Projects (Major Grants/Research Collaboration): Co-PI of a Major Research Project (MRP) under IoE, University of Delhi Delhi School of Climate Change & Sustainability titled, “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.” Sanctioned Amount Rs. 23.14 Lakh (PI - Prof. B. W. Pandey; Co-PIs, Prof VS Negi, Dr. Om Jee Ranjan) 2022-2025 (For three Years)

Research Projects (Minor Grants/Research Collaboration): Co-PI of a Minor Research Project (MRP) under R&D Cell, Miranda House, University of Delhi titled, “Rural Out-Migration Induced Border Security Vulnerability in Limpyaduru Tri-Junction Region Of India-China-Nepal Border” (R&D-02/2024) Sanctioned Amount Rs. 1.25 Lakh (PI – Dr. Praffulit Bisht; Co-PI Dr. Om Jee Ranjan) 2023-2024 (For one Year)

### Membership Of Professional Bodies:

- Life member of Eastern Geographical Society LM/150/2019
- Life member of Institute of Indian Geographers (LM 1022)
- Life member of Association of Geographical Studies (AGS) LM- 277
- Life member of National Association of Geographer’s India (NAGI) LM- 2099
- Life member of Geographical Society of Himachal Pradesh (GSHP-2012) LM - 186

### Administrative Responsibilities:

1. Faculty Adviser in Disaster Preparedness Team Society of Miranda House. (Since, 2024)
2. Member of B.A. Program admission duty, 2024 at Miranda House, University of Delhi.
3. Staff Advisor of Student Union at Department of Geography (2023-2024) at Department of



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Geography, Miranda House, University of Delhi.

4. Faculty Member of Adventure Club, Miranda House (Since 2023)
5. Staff Advisor of the departmental Journal '*Geographica*' at Department of Geography (2023-2024), Miranda House, University of Delhi.
6. Member of B.A. Program admission duty, 2023 at Miranda House, University of Delhi.
7. Staff Advisor of Student Union at Department of Geography (2021-2022) at Department of Geography, Miranda House, University of Delhi.

### **Invited talks/Session chair/Resource person** (reverse chronological order):

- Invited as a Resource Person/Guest Faculty to deliver a series of lectures at BIPARD in the Foundation Training Program of Central Government officers and Bihar state government officers. From 20/11/2023 to 23/11/2023.
- Invited as a Resource Person to deliver a series of lectures dated 05/12/2023 and 06/12/2023 at Department of Geography, Indraprastha College for Women, University of Delhi.

### **Other Academic Work:**

1. Mentor in Four-week Online Training Programme-cum-Workshop on Geo-Informatic Research Tools and Techniques for Advanced Academic Research organized by Department of Geography, Miranda House under the aegis of IQAC, Miranda House (2023)
2. Mentor of DSKC Summer Internship (For Geography Subject), 2023
3. Member of a selection committee of the ongoing major project at the Department of Geography, Delhi School of Economics, University of Delhi (2022-2025)
4. Expert and Examiner for Question Paper Setting of the course title Special Information Technology at the Department of Geography, Delhi School of Economics, University of Delhi, for forthcoming Undergraduate NEP: UGCF-2022, Semester -I/III Examination, December 2023
5. Internal Examiner of SEC paper entitled "Environmental Impact and Risk Assessment (1<sup>st</sup> Paper) on 01/12/2023 and 08/12/2023 at department of Geography, Miranda House, University of Delhi
6. External Examiner of SEC paper entitled "E- Tourism (3<sup>rd</sup> Paper) on 02/12/2023 and



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09/12/2023 at department of Geography, Miranda House, University of Delhi

### **Seminars/Workshops/Conferences attended:**

1. 2020. May 30. Participated by presenting a Research paper entitled “*Geo-Physical Disaster Induced Rural Out- Migration In Limpyaduru Tri-Junction Region Of India-China-Nepal Border*” in International Collaborations Workshop on HiFlo-DAT: Indian Himalayan Flood Database, for Disaster Risk Reduction (DRR) at International Guest House, University of Delhi, Delhi, India.
2. 2020. November 26-27. Participated by presenting a Research paper entitled “*Temporal and Empirical Analysis of Climate Change on Socio-Economic Activities in the Tawang- Chu River Basin*” In two days international webinar on Climate Change, Geo-Hazard and Sustainable development organized by IQAC and Department of Geography, Karnataka Science College, Dharwad Karnataka, India.
3. 2020. December 18-20. Participated by presenting a Research paper entitled “*Assessment of Climate Change in Tawang- Chu River Basin, Eastern Himalaya, India*” In the IGU India International Conference (Virtual) on “Global to Local Sustainability and future Earth” organized by the Department of Geography, MLSU, Udaipur Rajasthan, India.
4. 2019. February 14-15. Participated in Training Workshop on “*Introduction to Google Earth Engine*” in Dept. of Geography, Delhi School of Economics in collaboration with IGU Task force for Young & Early Career Geographers.
5. 2018. October 27-28. Participated by presenting a Research paper entitled “*Human Health, Mortality and Adaptation: An Empirical Analysis in the Perspective of Climate Change in India*” In National conference on Environment Resources and Development of the Indian Himalaya. At Department of Geography, HNB Garhwal (A Central) University, Srinagar Garhwal, Uttarakhand, India.
6. 2018. June 19-20. Participated by giving advices and suggestions, Break-out and plenary discussion and deliberation for DRR policy and practice in Inception Workshop, of UGC-UKIERI International Collaboration Project on HiFlo-DAT: Indian Himalayan Flood Database, for Disaster Risk Reduction at International Guest House, University of Delhi, Delhi, India.
7. 2018. April 21-22. Participated by presenting a Research paper entitled “*Analysis of Adverse Mountainous Climate Adaptation for Better Cultivators Livelihood: Case Study of Tawang District, Arunachal Pradesh*” In National Seminar on Climate Change Conclave. Department of Geography, Shaheed Bhagat Singh (Eve.) College, University of Delhi





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8. 2018. April 21-22. Participated as a Rapporteur for the session entitled “*Climate Action with Technology Transfer and Green Finance for Climate Action*” at the National Seminar on Climate Change Conclave. Department of Geography, Shaheed Bhagat Singh (Eve.) College, University of Delhi
9. 2018 April 20-21. Participated by Delivering a Key Note on “*Disaster Risk Reduction (DRR) Planning and Management in Himalayan Context.*” In First International Conference on Mass Disaster and Emergency Management. Organized by National Task Force for Disaster Management in Association with Kingsmead School, England and Dyal Singh College, University of Delhi.
10. 2018. March 27-28. Participated by presenting a Research paper entitled “*Impact of Tourism and Urbanization on Mountain Ecology: A case Study of Manali*” in the National Seminar on Urban Environment on 21st Century: issues and Challenges’, Organized by Department of Geography, Faculty of Natural Sciences, Jamia Millia Islamia, New Delhi, India.
11. 2018. March 24. Participated in deliberations in the National Summit on Revival and Rejuvenation of Bharathapuzha River Basin, Jawaharlal Nehru University, New Delhi.
12. 2018. February 05-07. Participated by presenting a Research paper entitled “*In Search of Sustainability in Livelihood through Agriculture: A Case Study of Upper Pasolgad Watershed of Pauri Garhwal, Uttarakhand, India*” in International Conference on Livable Cities: Transforming Sustainabilities and its Challenges Organized by Department of Geography, Shaheed Bhagat Singh College, University of Delhi.
13. 2017. December 23-24. Participated by presenting a Research paper entitled “*Empirical Analysis of Barriers of Adverse Mountainous Climate Adaptation for Better Cultivators Livelihood: Case Study of West Kameng District, Arunachal Pradesh*” in UGC-SAP-DRS III National Seminar on Environment and Resource & Urban and Regional Planning, Organized by Department of Geography, Delhi School of Economics, University of Delhi.
14. 2017. April 21-22. Participated by presenting a Research paper entitled “*Ecological Restoration and Livelihood Sustainability through Mixed Forestry in Himalaya: A case study of Kot Malla Village. Rudraprayag*” in National Seminar on Adaptation and Implementation of Paris Agreement: National Initiatives Towards “Climate Change Mission” Organized by Department of Geography, Shaheed Bhagat Singh Evening College, University of Delhi.
15. 2017. March 25-26. Participated by presenting a Research paper entitled “*Spatial Analysis of Climate Changes and its impact on Human Adaptation in Arunachal Pradesh*” in National Workshop on Rural Activism for Sustainable Development and Livelihood in India: Issues and Challenges” Organized by SEWA-THDC and Kirori Mal College, University of Delhi.



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16. 2017. February 17. Participated by presenting a Research paper entitled “*GIS Based Landslide Susceptibility Analysis along the National Highway 10 and State Highway 12 ‘A’*” in National Workshop on “Climate Change, Spatial Technology and Disaster Mitigation” Organized by Department of Geography, Swami Shraddhanand College, University of Delhi.
17. 2017. February 03-04. Participated by presenting a Research paper entitled “*Analysis of Agrarian Economy for Sustainable Livelihood in Tawang –Chu River Basin, Arunachal Pradesh*” in National Conference on Making Cities Resilient: Post Habitat-III. Organized by Department of Geography, Shaheed Bhagat Singh College, University of Delhi.
18. 2017. February 01-02. Participated by presenting a research paper entitled “*Mixed Forestry and Biodiversity in Western Himalaya: Analysis of Ecosystem Services in Kotmalla Village, Rudraprayag*” in International Conference on Spatial Decision Support System for United Nations Sustainable Development Goals. Organized by Kalindi College, University of Delhi.
19. 2016. November 14. Participated by presenting a Research paper entitled “*Understanding Cultivation Ecology in Tawang- Chu River Basin*” in National Seminar on Climate Change and Sustainable Development in India: Problems and Challenges. Organized by Department of Geography, Meerut College, Meerut.
20. 2016. March 18-20. Participated by Presenting a Research paper on “*Human Health, Mortality and Adaptation: An Empirical Analysis in the Perspective of Climate Change in India*” in 9th International Geographical Union (IGU) Conference on Land Use Change, Climate Extremes and Disaster Risk Reduction. Organized by Shaheed Bhagat Singh College, University of Delhi.
21. 2016. February 11-13. Participated by presenting research paper on “*Role of Informal-Credit-System on Livelihood in Detached Villages: A Case Study of Three Villages of Bihar*” at 37th IIG Meet and International Conference, on the theme Land Resource Policies, Agriculture and Expanding Urban Industrial Spaces, Organized by Department of Geography, Kurukshetra University, Kurukshetra, Haryana.
22. 2015. October 17-19 Presented Research paper on “*A Conceptual Analysis of Food Security Policy in India*”. In Xth DGSI International Geography Conference, 2015 on Sustainable Planet Earth: Ecological Dimension and Strategies, Organized by Department of Geography Faculty of earth Sciences, UCSSH, ML Sukhadia University, Udaipur- 313001, Rajasthan; India Collaboration with The Deccan Geographical Society, India.
23. 2014. November 17-19. Participated by presenting a Research Paper on “*Mapping Borrowing circle in isolated village: A Case Study of Bishrampur Village of Aurangabad District, Bihar*” in 36th Indian Geography Congress (IGC) on Urban System, Rural Livelihoods Security and Resource Management. Organized by Department of Geography, University of Rajasthan,



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Jaipur.

24. 2013. November 11-13. Participated by presenting research paper on “*Borrowing Trend Economy and Its Impact on Education in Isolated Rural Area: A Case Study of Aurangabad District, Bihar*” in at 35th Indian Geographers’ Meet & International Conference, on the focal theme Environment, Development and Equity, Hosted by Department of Geography (UGC-SAP-DRS & DST-FIST Sponsored Department), University of Burdwan, West Bengal, India

**Synergy** (work with other organizations outside the college):

- Working as a Co-PI in a Major Research Project (MRP) under IoE, University of Delhi Delhi School of Climate Change & Sustainability titled, “*Monitoring and Mapping Climate Driven Glacial Retreat (CliDr- GlaR) and Modeling of Hydro- Flow- Shed Delineation (Hy-FloSheD) of Beas-Chenab Pir Panjal (Beas –Chenab Valley of Pir Panjal Range), Lesser Himalaya*” at the Department of Geography, Delhi School of Economics, University of Delhi.
- Working as a Recourse person of Climate Change expert at Centre for Himalayan Studies, University of Delhi since 2023.

**Other Academic Activities/ Achievements:**

- Successfully Completed 21 Days Summer School in Geospatial Science and Technology (Level 2) Roles and methods of Geointelligence to achieve tangible UN Sustainable Development Goals Supported by National Geospatial Program, Department of Science and Technology, Government of India, New Delhi at Symbiosis Institute of Geoinformatics, Symbiosis International (Deemed) University, Pune, Maharashtra, India from 22<sup>nd</sup> January 2024 to 20<sup>th</sup> February, 2024.
- Successfully Completed Four-week National Faculty Induction/Orientation Programme for faculties in Universities/Colleges/Institutes of Higher Education (with Grade A+) organized under the aegis of Ministry of Education- PMMMNMTT Scheme at Teaching Learning Centre, Ramanujam College, University of Delhi, From 22<sup>nd</sup> January 2024 to 20<sup>th</sup> February, 2024.
- Successfully Completed two-week National Faculty development Programme organized under Malaviya Mission Teacher Training Programme by Mahatma Hansraj Faculty Development Centre (A Centre of MoE, Govt. of India under PMMMNMTT Scheme) Hansraj College, University of Delhi, on the topic ‘NEP 2020 Orientation Programme’, From 16<sup>th</sup> December 2023 to 30<sup>th</sup> December, 2023.
- Successfully Completed one-week National Faculty Induction Programme organized by Department of Education, University of Delhi, on Capacity Building Programme for



# Miranda House

## UNIVERSITY OF DELHI

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Teachers in Higher Education entitled “*Pedagogical Imperatives for Creating Quality Learning Environment for All*”, From Friday 01 December 2023 to 08 December, 2023.

- Successfully Completed BRICS STI FRAMEWORK PROGRAM – Training on Validation and Application of Remote Sensing Products in Ecology and Environment in BRICS countries, Online May 24th -26th,2022, Organized by Chinese Academy of Sciences (AIRCAS); Land Satellite Remote Sensing Application Centre, MNR (LASAC); DSE, University of Delhi and Geophysical Centre of the Russian Academy of Sciences.

### **Extracurricular Activities**

More than 25 academic field excursions (with college students) for research and teaching purposes.