

Mifta ul Shafiq, Ph.D.

**Assistant Professor
Department of Geography
Cluster University of Srinagar
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ResearchGate ID = <https://www.researchgate.net/profile/Mifta-Shafiq>

Research Interests and Vision:

My broader areas of research are various sub components of Physical Geography which include Climatology, Geomorphology, Glaciology and Hydrology. I seek to use space based Remote sensing and GIS technology to elucidate and understand various physical processes associated with our natural environment. I utilize these space technologies and ground-based information coupled with various modelling techniques to understand the Climate variability and change studies, Snow and Glacier variability, several hydrological processes and impact of these variabilities on geo physical environment.

Following the core theme of Geography to act as bridge between physical and applied science on one side and social science on other, my academic and research interests have been diverse and multidisciplinary. My primary research interests are in studying questions related to geomorphology, climate change and variability, water resource management, cryosphere studies, environmental and social geography and application of remote sensing and GIS techniques.

I have utilized the geospatial technology for observation and modelling of various processes operating at watershed scale with a focus on nexus between upstream conditions and its downstream effects. My research has led to me investigate the observed climate data of Kashmir Himalayas and come out with a plausible weather/climatic condition in current and future time scales. My doctoral thesis focused on assessing the climate variability and its impact on snow and glaciers of Kashmir Himalayas. I have been involved in the studies related to socio-economic impacts of environmental changes particularly climate and its impact on Land use Land cover change, Psycho-social changes in rural and urban population of high-altitude Himalayas. I am also involved in application of various numerical, probabilistic and statistical modelling techniques for solving complex problems related to my areas of specialization. During last more than five years I have been actively involved in collaborative research ranging from climate change and variability, snow cover area estimation using remote sensing techniques and modelling, glacier dynamic parameters like mass balance, ELA, discharge estimation using glaciological and geospatial methods, estimating the impact of changing climate on water resources of Kashmir Himalayas, application of statistical downscaling methods for arriving at plausible future climate of Kashmir Himalayas, Land use land cover analysis, Landslide Hazard Zonation among others.

Academic Qualifications:

Degree	Major	Division	University/Board	Remarks
10 th	-	I	CBSE New Delhi	-
12 th	Science	I	CBSE, New Delhi	-
Graduation (2013)	Geography	I	University of Kashmir	-
Post Graduation (2013-2015)	Geography	I	University of Kashmir	Gold Medallist
Ph.D. (2016-2020)	Geography	I	University of Kashmir	UGC NET JRF

- **Ph.D. Geography** (2020) - Thesis Title: *“Climate Variability and its Impact on Cryosphere over the Kashmir Himalayas”*.

Work Experience

S. No.	Position Held	Name of the Institute	From	To
1.	Junior Research Fellow	Department of Geography & Regional Development, University of Kashmir, Srinagar	16-01-2016	15-01-2018
2.	Senior Research Fellow	Department of Geography & Regional Development, University of Kashmir, Srinagar	16-01-2018	12-02-2020
3.	Assistant Professor (Contractual)	Govt. S P College Srinagar	30-06-2020	28-12-2020
4.	Assistant Professor	Department of Higher Education, Govt. of J&K	18-03-2021	27-05-2025
5.	Assistant Professor	Cluster University of Srinagar	28-05-2025	Ongoing

Field of Research Interest/Specialization

- Climate Variability/Change studies, Snow and Glacier studies, Climate and Cryosphere Interactions, Remote Sensing and its Applications, GIS techniques, Geomorphology, Climatic and Hydrological modelling, Geo-Environmental Hazards

Achievements/Fellowships/Awards

- Kashmir University Merit Scholarship for achieving **1st rank** at M.A/M.Sc. 2013 Entrance examinations.
- Qualified **NET-JRF** conducted by University Grant Commission (UGC), India, (Twice) June, 2014 and Dec, 2014.
- **Gold Medalist** for 1st position holder in M.Sc. Geography Batch 2013 - 2015.
- Qualified **J&K SET** in Geography conducted by University of Kashmir, Srinagar during 2016.
- Awarded **D S Kothari Post Doctoral Fellowship** by UGC in 2021.

Research Experience

- Worked as Junior Research Fellow and Senior Research Fellow at Department of Geography University of Kashmir, Srinagar from 2016-2020.
- Associated with MOES and NCPOR sponsored Major Research Project on “**Response of North Western Himalayan Glaciers to Climate Change: A case from Jhelum Basin**” – Drafting of Proposal, Group leader for field expeditions, Glacier equipment handling.
- Associated with UGC Sponsored Major Research Project on “**Security Perspectives and Geostrategic and Geopolitical Realities of the Borderlands Management in Jammu and Kashmir: A study in relation to Pakistan and China**” – Field work, GIS analysis.
- Associated with UGC Major Research Project on “**Micro Level Planning for Sustainable Dairy Development in Kashmir Valley**” – GIS Analysis, Field work, Report Drafting.
- Supervised 35 UG and PG dissertation students for award of their degrees.
- Organized Two day National Conference on Higher Education in Jammu and Kashmir: Expansion and Quality Control at GDC Bijbehara from 15th – 16th March, 2023.

Technical Specialization/Expertise:

- Remote Sensing and GIS software's like ERDAS Imagine, ArcMAP, QGIS, SAGA, ArcView, Global Mapper, ILWIS, IDRISI, Terrset among several others.
- Climatic modelling using statistical downscaling and dynamic downscaling models by SDSM, LARS-WG, R Studio, etc.
- Hydrological modelling using QSWAT, ArcSWAT, Hec-GeoHMS, SPHY, WinSRM among others.
- Advanced lab instruments like Handheld GPS, DGPS, Glacier steam drill, AWS, digital water flow meter, total station, RtkGPS etc.

Trainings/Workshops/FDPs/Orientations

- One Week training on “**Important Dimensions of Disaster Management**” at Uttarakhand Academy of Administration, Nanital, Uttarakhand, India from March 1-5, 2016.
- One Week Summer School on “**Antarctic Climate Variability and Ice Dynamics**” at **National Centre for Antarctic and Oceanic Research**, Goa, India from May 08-11, 2017.
- 10 Days Training Programme on “**Glacier Studies and Remote Sensing**” at **Indian Institute of Science, Bangalore**, India from June 19 – 30, 2017.
- Participated in one-week National Seminar cum workshop on “Disaster Mitigation: Approaches and Strategies” organized by Department of Geography and Regional Development, University of Kashmir, Srinagar from 13th – 18th March, 2017.
- Twelve weeks training programme on “**Geospatial technologies and Applications**” at **National Remote Sensing Centre (NRSC), Indian Space Research Organization (ISRO)**, Hyderabad, India from November 5, 2017 – 25 Jan, 2018.
- Two weeks training course on “**Hydrological Modelling using SWAT**” at **National Institute of Hydrology, Roorkee** from June 11 – 22, 2018.
- Two days' National workshop on seismic hazard and crustal deformation studies in Jammu

and Kashmir organized by the Department of Earth Sciences, University of Kashmir and CSIR 4th paradigm institute, Bangalore from 1st to 2nd August, 2018.

- One-week Science and Training Workshop on “**Climate Change over the High mountains of Asia**” organized by **Indian Institute of Tropical Meteorology (IITM) Pune**, from 08 – 12 October, 2018.
- One week Training Programme on “Multi Hazard risk Management in Changing Climate: Sustaining Economic Development and Livelihood in Western Himalaya” jointly organized by Department of Geography and Disaster Management, University of Kashmir, Srinagar and National Institute of Disaster Management (NIDM), Ministry of Home Affairs, Govt. of India from 08th to 12th November, 2021.
- Two days Multidisciplinary workshop on Research Methodology organized by North Campus, University of Kashmir from 01st to 02nd June, 2022.
- Participated in one day Orientation workshop on Unnat Bharat Abhiyan organized by National institute of technology, Srinagar on 6th June 2022.
- Participated in One Week Training Programme on “Earthquake Risk Mitigation and Management” organized by Department of Geography and Disaster Management, University of Kashmir, Srinagar in collaboration with NIDM, New Delhi from 17-21 October, 2022 at University of Kashmir.
- One-week UGC sponsored short term course for training of teachers on Indian Knowledge System (IKS) organized by Malaviya Mission – Teacher Training Centre, University of Kashmir, Srinagar in collaboration with IKS division, Ministry of Education, GOI, New Delhi from 11th to 16th September, 2023.
- Participated in 7 days national Training Programme on “**Principles, tools and techniques used in Earth Sciences**” Organized by Department of Earth Sciences, University of Kashmir in collaboration with Jamia Hamdard, New Delhi under DST STUTI from 28th August to 3rd September, 2023.
- One week Faculty Development Programme (FDP) on “Interdisciplinary insights: Leveraging Statistics, Mathematics and Economics for Research, Teaching and Lifelong learning” by AAAM Degree College Bemina, Cluster University Srinagar from 15th to 21st October, 2024.
- Participated in the Regional Capacity Building Training Programme for Academicians of J&K and Ladakh, India on “Disaster Risk Reduction” from 3rd – 7th June, 2024 jointly organized by Indian universities and Institutions Network for Disaster Risk Reduction (IUIIN-DRR), NIDM, New Delhi and Department of Geography and Disaster Management, University of Kashmir, Srinagar.

Lectures Delivered

1. Delivered a lecture on “Understanding the Image elements of Visual Interpretation” in NRDMS (DST) sponsored summer school on Geospatial Technology towards a sustainable future and development on 18-06-2019 at SKUAST Kashmir.
2. Delivered a lecture on “Understanding the Image elements of Visual Statistics” in NRDMS (DST) sponsored summer school on Geospatial Technology towards a sustainable future and development on 18-06-2019 at SKUAST Kashmir.

3. Delivered a lecture on “Image Classification – Supervised and Unsupervised” in NRDMS (DST) sponsored summer school on Geospatial Technology towards a sustainable future and development on 21-06-2019 at SKUAST Kashmir.
4. Delivered a lecture on “Climate Change and Natural Disasters” on 30th January, 2023 at GDC Kokernag Anantnag.
5. Delivered a lecture in One Day Seminar on “Invest in our Planet” on 29th April, 2023 organized by HKM GDC Eidgah Srinagar.
6. Delivered a lecture on “Climate Change in Kashmir Himalayas” on 28th September, 2024 in MSME sponsored short term training programme at Krishi Vigyan Kendra, Budgam.

Research Publications:

h-index – 15, i10 Index – 20, Citations – 1059

1. **Mifta ul Shafiq**, Bhat MS, Rasool R, Ahmed P, Singh H and Hassan H (2016) Variability of Precipitation Regime in Ladakh region from 1901-2000. *Journal of Climatology and Weather Forecasting*. Vol. 4 (2) ISSN 2332-2594.
2. Rehana Rasool, **Mifta ul Shafiq**, Pervez Ahmed & Parvaiz Ahmad (2016) An Analysis of Climatic and Human Induced Determinants of Agricultural Land Use Changes in Shupiyan Area of Jammu and Kashmir State, India. *GeoJournal*, Springer. Vol. 81 No. 5. ISSN 0343- 25221. (IF – 2.0)
3. Rehana Rasool, **Mifta-ul-Shafiq** and Pervez Ahmed (2016) Urbanization Problems and Growth of Slums in Srinagar Urban Centre of Kashmir Valley (J &K) *International Journal of Recent Scientific Research* Vol. 7, Issue, 1, pp. 8596-8601, ISSN: 0976-3031
4. Rehana Rasool, **Mifta-ul-Shafiq**, Pervez Ahmed and Harmeet Singh (2016) Disparities in the Levels of Educational Development in Jammu and Kashmir, India: A District Wise Analysis. *International Research Journal of Social Sciences* Vol. 5(3), 19-24, ISSN 2319–3565
5. Parvaiz A. Bhat, **Mifta ul Shafiq**, Abaas A. Mir, Pervez Ahmed (2017) Urban Sprawl and its Impact on Landuse/Landcover Dynamics of Dehradun City, India. *International Journal of Sustainable Built Environment*. Elsevier DOI: <http://doi.org/10.1016/j.ijsbe.2017.10.003> ISSN: 2212-6090.
6. **Mifta-ul-Shafiq**, Abaas A Mir, Rehana Rasool, Harmeet Singh and Pervez Ahmed (2017) A Geographical Analysis of Land Use/ Land Cover Dynamics in Lolab Watershed of Kashmir Valley. Western Himalayas Using Remote Sensing and GIS. *Journal of Remote Sensing & GIS*. Vol. 6. ISSN 2469-4134.
7. **Mifta ul Shafiq**, Abaas A Mir, Pervez Ahmed, Parvaiz A Bhat (2017) Landuse/ Land cover Analysis in Hamal Watershed of North western Himalaya’s using Remote Sensing & GIS. *International Research Journal of Engineering and Technology (IRJET)* Volume: 03 Issue: 04 ISSN: 2395 -0056
8. **Mifta ul Shafiq**, Rehana Rasool, Pervez Ahmed & A. P. Dimri (2018) Temperature and Precipitation Trends in Kashmir Valley, North Western Himalayas. *Theoretical and Applied Climatology*. Springer-Verlag. 2018. <http://doi.org/10.1007/s00704-018-2377-9>. ISSN. 1434-4483. (IF – 2.8)

9. **Mifta ul Shafiq**, Pervez Ahmed, Zahoor ul Islam, P. K. Joshi & Waseem A. Bhat (2018) Snow cover area change and its relations with climatic variability in Kashmir Himalayas, India. *Geocarto International*. <https://doi.org/10.1080/10106049.2018.1469675>. ISSN 1752 - 0762 (IF – 3.3)
10. **Mifta ul Shafiq**, Pervez Ahmed, Abaas Ahmad Mir and Himayoon Hassan (2018) Trend Analysis of Winter Precipitation over Kashmir valley from 1980 – 2016. *International Journal of Advanced Research in Science and Engineering*, 07 (04). ISSN. 2319 – 8354.
11. **Mifta ul Shafiq**, Shazia Ramzan, Pervez Ahmed, Rashid Mehmood and A P Dimri (2019) Assessment of present and future climate change over Kashmir Himalayas, India. *Theoretical and Applied Climatology* <https://doi.org/10.1007/s00704-019-02807-x>. (IF – 2.8)
12. **Mifta ul Shafiq**, Zahoor ul Islam, Abida, Wani Suhail Ahmad, Mohd Shafi Bhat and Pervez Ahmed (2019) Recent trends in precipitation regime of Kashmir valley, India. *Disaster Advances* Vol 12 (4). (IF – 2.0)
13. Irshad Ahmad Bhat, **Mifta ul Shafiq**, Pervez Ahmed and T A Kanth (2018) Multi-criteria evaluation for Landslide Hazard Zonation by integrating remote sensing, GIS and field data in North Kashmir Himalayas, J &K, India, *Environmental Earth Sciences*. 78:613 <https://doi.org/10.1007/s12665-019-8631-3> (IF - 2.8)
14. **Mifta ul Shafiq**, Irshad Ahmad, Harmeet Singh and Pervez Ahmed (2019) Application of Snowmelt Runoff Modeling in Kashmir Himalayas, India. *National Geographical Journal of India*. Vol 65, Issue 2 June 2019.
15. **Mifta Ul Shafiq**, Zahoor Ul Islam, Irshad Ahmad Bhat and Pervez Ahmed (2019) Spatio- temporal behaviour of Nehnar Glacier from 1962 to 2017, Jhelum basin, Kashmir Himalayas, India *PHYSICAL GEOGRAPHY* <https://doi.org/10.1080/02723646.2019.1706704> (IF - 1.9).
16. Abida Fayaz, **Mifta ul Shafiq**, Harmeet Singh and Pervez Ahmed (2020) Assessment of Spatiotemporal changes in Landuse land cover of North Kashmir Himalayas, India. *Modeling Earth Systems and Environment* <https://doi.org/10.1007/s40808-020-00750-9> (IF – 2.7).
17. **Mifta ul Shafiq**, Ifra Ashraf, Zahoor ul Islam, Pervez Ahmed and A P Dimri (2020) Response of Streamflow to Climate variability in the source region of Jhelum River Basin in Kashmir valley, India. *Natural Hazards* DOI: 10.1007/s11069-020-04183-6 (IF – 3.3).
18. Shazia Ramzan, Tabasum Rasool, Rouf Ahmad Bhat, Pervez Ahmad, Ifra Ashraf, Nowsheeba R **Mifta ul Shafiq** & Ikhlaz A. Mir (2020) Agricultural soils a trigger to nitrous oxide: a persuasive greenhouse gas and its management. *Environmental Monitoring and Assessment* 192:436 <https://doi.org/10.1007/s10661-020-08410-2> (IF – 2.9)
19. Rehana Rasool, Abida, **Mifta ul Shafiq**, Harmeet Singh and Pervez Ahmed (2021) Land use land cover change in Kashmir Himalaya: Linking Remote Sensing with an Indicator Based Approach. *Ecological Indicators* V 125. <https://doi.org/10.1016/j.ecolind.2021.107447> (IF – 7.0)
20. Bhat, M.S., Lone, F.A., **Mifta ul Shafiq** et al. (2021) Evaluation of long-term trends in

- apple cultivation and its productivity in Jammu and Kashmir from 1975 to 2015. *GeoJournal* 86, 1193–1202. <https://doi.org/10.1007/s10708-019-10112-3>. (IF – 2.0)
21. Tariq Ahmad Ganaie, Javaid Ahmad Tali, **Mifta ul Shafiq**, Harmeet Singh, Pervez Ahmed (2021) Mapping Seasonal Variability and Spatio-Temporal Trends of Water Quality Parameters in Wular Lake (Kashmir Valley) in [*Geographic Information Science for Land Resource Management*](#) <https://doi.org/10.1002/9781119786375.ch9> Wiley Scrivener Publishing LLC
 22. Ramzan, S., Nazir, S., Ashraf, I. **Mifta ul Shafiq et al.** (2021) Management zone delineation and spatial distribution of micronutrients in cold-arid region of India. *Environ Monit Assess* 193, 433. <https://doi.org/10.1007/s10661-021-09216-6>. (IF – 2.9)
 23. Dad, J. M., & **Mifta ul Shafiq** (2021). Spatial distribution of soil organic carbon in apple orchard soils of Kashmir Himalaya, India. *Carbon Management*, 12(5), 485–498. <https://doi.org/10.1080/17583004.2021.1967787> (IF – 2.8)
 24. Dad, J.M., **Mifta ul Shafiq**. (2021) Spatial variability and delineation of management zones based on soil micronutrient status in apple orchard soils of Kashmir valley, India. *Environ Monit Assess* **193**, 797 <https://doi.org/10.1007/s10661-021-09588-9> (IF – 2.9)
 25. Fayaz Ahmad Lone, Munazah Maheen, **Mifta ul Shafiq**, Mohammad Shafi Bhat, Javeed A. Rather (2022) Farmer's perception and adaptation strategies to changing climate in Kashmir Himalayas, India *GeoJournal*. 87: 1743–1757 <https://doi.org/10.1007/s10708-020-10330-0>. (IF – 2.0)
 26. Bhat Waseem Ahmmad, Bhat Irshad Ahmad, **Mifta ul Shafiq** and Ahmed Pervez (2022) Glacio-Geomorphological Investigation and Deglaciation pattern of Nehnar valley, North Western Himalayas. *Disaster Advances*; Vol. 15(11); 35-49; [doi: https://doi.org/10.25303/1511da035049](https://doi.org/10.25303/1511da035049). (IF – 2.1)
 27. Javaid Ahmad Tali, Murtaza Nazir, and **Mifta ul Shafiq** (2022) Enhanced Two-Step Floating Catchment Area (E2SFCA) Method for Measuring Spatial Accessibility to Primary Healthcare in HD Kote, Mysore (India) In book: *Towards Sustainable Natural Resources* DOI: [10.1007/978-3-031-06443-2_14](https://doi.org/10.1007/978-3-031-06443-2_14)
 28. Zahoor ul Islam, **Mifta ul Shafiq**, Javaid Ahmad Tali, Pervez Ahmed, and Waseem Ahmad Bhat (2022) Assessing the Impact of Terrain Attributes on Snow Cover Area Distribution in Kashmir Valley, Northwestern Himalaya In book: *Towards Sustainable Natural Resources* DOI: [10.1007/978-3-031-06443-2_6](https://doi.org/10.1007/978-3-031-06443-2_6)
 29. **Mifta ul Shafiq**, Tali, J. A., Islam, Z. ul, Qadir, J., & Ahmed, P. (2022). Changing land surface temperature in response to land use changes in Kashmir valley of northwestern Himalayas. *Geocarto International*, 37(27), 18618–18637. <https://doi.org/10.1080/10106049.2022.2142968> (IF – 3.3)
 30. Mir, R.A., Ahmed, R., Hussain, M. **Mifta ul Shafiq et al.** Causes, concerns and hazards of sinkhole formation in Brengi stream catchment of Upper Jhelum basin, Kashmir Himalaya. *Environ Dev Sustain* **26**, 14507–14534 (2024). <https://doi.org/10.1007/s10668-023-03204-1> (IF – 4.7)
 31. Ashraf, Atufa, Latief Ahmad, Khalid Ferooz, Shazia Ramzan, Ifra Ashraf, Junaid N.

- Khan, Efath Shehnaz, **Mifta ul Shafiq**, Sabia Akhter, Ambreen Nabi, Rehana Rasool, and Shaista Nazir. (2023). Remote Sensing as a Management and Monitoring Tool for Agriculture: Potential Applications. *International Journal of Environment and Climate Change* 13 (8):324-43. <https://doi.org/10.9734/ijecc/2023/v13i81957>.
32. Bhat. A, Bhat, I.A, Ahmed, P. **Mifta ul Shafiq et al.** Mass balance of Nehnar glacier from 2000 to 2020, using temperature indexed-IAAR approach. *Environ Sci Pollut Res* **30**, 103463–103479 (2023). <https://doi.org/10.1007/s11356-023-29714-z> (IF – 5.8)
33. Irshad Ahmad Bhat, Waseem Ahmmad Bhat, Shafkat Ahsan, **Mifta ul Shafiq**, Pervez Ahmed (2024) Snow avalanche susceptibility along Mughal Road, North-western Himalaya using geospatial techniques *Arabian Journal of Geosciences* 17:41 <https://doi.org/10.1007/s12517-023-11839-7> (IF – 2.09)
34. **Mifta ul Shafiq**, Zahoor ul Islam, Abida, Javaid Ahmad Tali, Pervez Ahmed, A P Dimri Rashid Mahmood (2024) Assessment of climate variability and trends in different physiographic zones of North Western Himalayas *Theoretical and Applied Climatology* 155:5557–5576 <https://doi.org/10.1007/s00704-024-04961-3> (IF – 2.8)
35. **Mifta Ul Shafiq**, Zahoor Ul Islam, Abida Fayaz, Rashid Mahmood, Pervez Ahmed, A. P. Dimri (2024). Spatio-temporal trends and variability in extreme temperature and precipitation indices in the Kashmir Valley, North Western Himalayas. *Journal of Water and Climate Change* 15 (8): 3867–3887. <https://doi.org/10.2166/wcc.2024.141> (IF – 2.7)
36. Fayaz, A., **Mifta ul Shafiq**, Jamil, M. *et al.* Land suitability analysis for apple cultivation in mountainous Kashmir valley using scenario based modelling. *Spat. Inf. Res.* **33**, 14 (2025). <https://doi.org/10.1007/s41324-025-00611-6>. (IF – 2.0)
37. Viswambharan, S., Tali, J.A., Kumaramkandath, I.T. **Mifta ul Shafiq, et al.** Dynamic response of vegetation, land surface temperature and carbon storage to changes in land use and land cover in Mysuru City, Karnataka, India. *Environ Sci Pollut Res* (2025). <https://doi.org/10.1007/s11356-025-36273-y>. (IF – 5.8)

Referee of Journals Reviewer:

- GeoJournal, Remote Sensing Applications: Science and Society, Ecological Indicators, Theoretical and Applied Climatology, Geocarto International, Environmental Monitoring and Assessment, Journal of Remote Sensing and GIS, Modelling Earth Systems and Environment, Natural Hazards, Scientific Reports, Land, Climate, Climatic Change, Journal of NAGI, Geomorphology etc.

List of Conference Papers presented:

1. Presented a paper in National Seminar on “Environmental Pollution: Join the race to make the world a Better Place” on the eve of Observance of World Environment Day – 2016 from June 4-6, 2016 organized by Department of Environmental Science and CORD, University of Kashmir.
2. Presented a paper on “Assessing and monitoring the human influence on water quality in response to land transformation within Wular environs of Kashmir valley” in National Seminar on Himalayan Biodiversity: Characterization and bio prospection for Sustainable utilization organized by University of Kashmir, Srinagar from 18th to 19th

September, 2017.

3. Presented a paper on “Geospatial Approaches to landslide hazard zonation along the National highway in Ladakh region of J&K state” at National Conference on Geoinformatics for Natural Resource Management organized by Department of Geography, Jamia Millia Islamia, New Delhi from 7th – 8th February, 2017.
4. Presented a paper on “Runoff response to changing climatic trends in Rambhara watershed of Kashmir valley” at National Conference on Geoinformatics for Natural Resource Management organized by Department of Geography, Jamia Millia Islamia, New Delhi from 7th – 8th February, 2017.
5. Presented a research paper on “Recent dynamics of precipitation trends and patterns over Kashmir Himalayas” at International Conference on Global Water crisis: Agriculture and Food Security in the era of Climate Change organized by Department of Geography, Aligarh Muslim University, Aligarh from 1st – 3rd December, 2018.
6. Presented a research paper on “Volumetric estimation of Kashmir Himalayan glaciers” at 40th Indian Geography Congress 2018 on Climate Variability, Vulnerability and Resource Management strategies for Sustainable Development and Geospatial Technologies organized by Department of Geography, Rajiv Gandhi University, Doimukh Arunachal Pradesh from 29th – 31th October, 2018.
7. Presented a paper on “Landslide Hazard Zonation of Mughal Road from Shopian to Bafliar using Weighted Overlay Model” at 30th National Conference of Indian Institute of Geomorphologists organized by Department of Geography, Jamia Millia Islamia, New Delhi from 3rd – 5th October, 2018.
8. Presented a paper on “Trend Analysis of Winter Precipitation over Kashmir valley from 1980 – 2016” in 1st International conference on Recent Developments in Science, Humanities and Management 2018 at Amar Singh College, Srinagar from 17th – 18th April, 2018.
9. Presented a research paper entitled “Analysis of spatio-temporal variability of snow cover area and hydro climatic variables in the Jhelum basin, Northwestern Himalaya. At National Conference on Impact of Climate Change on Food, Water and Health: Issues and Challenges organized by Department of Geography, Aligarh Muslim University, Aligarh from 01st – 2nd February, 2020.
10. Presented a paper on “Accessibility of Higher educational institutions in Jammu and Kashmir using Geospatial Techniques” in the two days National conference organized by Department of Education, GDC Bijbehara on 15th and 16th March, 2023.

Administrative Positions Held:

- Head Department of Geography, Govt. Degree College Bijbehara, Anantnag. (March 2021 to December 2023).
- Head, Department of Geography, Govt. Degree College Doda, J&K (Dec 2023 – till date).
- Convener/Member of Examination, Admission, IQAC, Skill, Purchase and other important committees.
- Member Board of UG studies, University of Jammu from 2024 – 2027.

- Member, Board of Research Studies (BORS), University of Kashmir, 2015-2017.
- External Member, Board of PG Studies, SKUAST (K) for Soil Division.

Membership of Academic Organisations

1. Member, Indian Institute of Geomorphologists (IIG)
2. Member, National Association of Geographers in India (NAGI)
3. Member, Indian Society of Remote Sensing (ISRS)
4. Member, Indian Meteorological Society (IMS)

Academic Collaborations

1. University of Kashmir, Srinagar.
2. Jamia Millia Islamia New Delhi.
3. Jawaharlal Nehru University New Delhi.
4. National Centre for Polar and Oceanic Research (NCPOR), Goa
5. National Remote Sensing Centre, Hyderabad.
6. Indian Institute of Geomagnetism Mumbai.
7. Indian Institute of Tropical Meteorology Pune.
8. Chinese Academy of Sciences, China
9. Divecha Centre for Climate Change, Indian Institute of Science, Bangalore.
10. Sher-i-Kashmir University of Agricultural Sciences (SKUAST) Srinagar.
11. National Institute of Hydrology, Roorkee.
12. Indian Institute of Technology, Guwahati.
13. Indian Institute of Technology, Roorkee.

Professional Competences and Skills:

My involvement with research has enabled me to develop better understanding and insight for the execution of R&D programmes. This endurance has made me competent enough in studying various physical processes associated with earth and its environment. My research career has led to acquire a host of skills which range from usage of primary physical and socio-economic data to more complex climatic, glaciological and hydrological modelling using statistical and dynamical methods. The application of Remote sensing and Geographical Information System (GIS) techniques have been my backbone in accomplishing the objectives. Working on glaciers has made me to work under extreme environmental conditions and using several surveying instruments on snow and glacier surfaces for obtaining the field estimates of various environmental factors. I have also developed a good skill for project/paper writing and executing the research projects.

Place: Srinagar

Dr. Mifta ul Shafiq