

# CV



## General Information

<b>Name</b>	MOHD SULTAN BHAT
<b>Correspondence Address</b>	Department of Geography, University of Kashmir, Srinagar-190006, Jammu & Kashmir, India
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<b>Email:</b>	<a href="mailto:msbhatgeog@yahoo.com">msbhatgeog@yahoo.com</a> , msbhatgeog@kashmiruniversity.ac.in

**Present Position:** Professor, Department of Geography, University of Kashmir, Srinagar

**Google Scholar:**

<https://scholar.google.co.in/citations?user=yHBbV9EAAAAJ&hl=en>

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<https://orcid.org/0000-0002-2198-5940>

## Details of Experience

S No.	Post Held	Organization	Nature of duties	Experience (In Years & Months)
i.	Dean, School of Earth & Environmental Sciences, University of Kashmir, Srinagar	University of Kashmir	Academic Administration	3 Years
ii.	Head, Department of Geography, University of Kashmir	University of Kashmir	Academic Administration	10 Years & 04 Months
iii.	Coordinator, Special Assistance Programme, (SAP), UGC, Programme, Department of Geography, University of Kashmir	University of Kashmir	Research & Development	2 Years & 9 Months
iv.	Assistant Director, Directorate of Quality Assurance (DIQA), University of Kashmir	University of Kashmir	Preparation of Reports for NAAC Assessment	3 Years
v.	Associate Professor	Department of	Teaching & Research	7 Years

		Geography, University of Kashmir		
vi.	Assistant Professor	Department of Geography , University of Kashmir	Teaching & Research	13 Years

### Educational Qualification

S. No.	Qualification	University	Year
i.	Ph. D	University of Kashmir	1995
ii.	M. Phil	University of Kashmir	1989
iii.	Post-Graduation	University of Kashmir	1986

### Administrative Experience/Post(s) & Responsibilities held

S No.	Post	Organization/ University	Duration	
			From (Date)	To (Date)
i.	Head of the Department	Department of Geography , University of Kashmir	01.07.20006 & 05-02-2017	04-02-2014  09-09-2019
ii.	Chairman, Board of Studies	Chairman Board of Postgraduate Studies, Department of Geography, University of Kashmir	01.07.20006 & 05-02-2017	04-02-2014  09-09-2019
iii.	Member, Board of Studies	Member, Board of P.G. Studies; i. Department of Environmental Studies ii. Department of Earth Sciences, University of Kashmir	03-03-2015  07-09-2018	02-03-2018  Till date
iv.	Dean of Faculty	School of Earth & Environmental Sciences, University of Kashmir	05-05-2017	04-05-2020
v.	Member of Academic Council	University of Kashmir	01.07.20006 & 05-02-2017	04-02-2014  09-09-2019
		University of Jammu	05-05-2017	04-05-2020
	University Council	Kashmir university council member	01-01-2019	09-09-2019
	University Syndicate	i. Kashmir University Syndicate member  ii. Jammu University Syndicate member	04-05-2011 & 01-01-2019  04-05-2011 & 01-01-2019	03-04-2013 & 31-12-2021  03-04-2013 & 09-09-2019
	Finance	Member of Finance committee , Kashmir	01-01-2019	09-09-2019

	<b>Committee</b>	University		
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### Academic/Teaching Experience & Responsibilities

S No.	Post	Organization/ University	Duration	
			From (Date)	To (Date)
i.	Professor	Geography University of Kashmir	30-12-2009	Present
ii.	Associate professor	Geography, University of Kashmir	03-05-2002	29-12-2009
iii.	Assistant professor	Geography, University of Kashmir	18-05-1992	02-05-2002

### Participation & contribution in relevant areas in Higher education

	Organization	Area of specialisation
Visiting Professor	Brussels Belgium , European Union Visitors Programme	Monitoring of Quality of Education
	South Asia Institute, Heidelberg University Germany	Mountain Environment Problems
Resource Person	Disaster Research Centre (DRC), Jawaharlal Nehru University, New Delhi	Transdisciplinary Disaster Research Programme
	Institute of Management & Planning Administration (IMPA), Government of Jammu & Kashmir, Srinagar	Decentralized Planning
	National Institute of Technology (NIT), Srinagar Kashmir	Water Resources
	UGC-Human Resource Development Centre, University of Kashmir, Srinagar	Refresher Course in Geography

### Involvement with formulation of academic programmes

S.No.	Nomenclature of Innovative Academic Programmes formulated	Date of Approval by Academic Council	Year of Introduction
1	Post Graduate Diploma (PG Diploma) in Disaster Management	05-10 2011	2012
2.	Masters (M.A/M. Sc) Programme in Disaster Management	04-09-2013	2014

### Position of Chairs

S.No.	Name of Chair	Name of Agencies/Departments involved	Period of holding the Chair
i.	Dean	School of Earth & Environmental Sciences, University of Kashmir	05.05.2017 to 04-05-2020
ii.	HoD	Department of Geography, University of Kashmir	10 Years

iii.	Coordinator	Special Assistance Programme (SAP) of UGC, Department of Geography, University of Kashmir	15-02-2017 to 08-09-2019
iv.	Deputy Coordinator	Special Assistance Programme (SAP) of UGC, Department of Geography, University of Kashmir	25-11-2017 to 14-02-2018

### International Academic Exposure

S. No	Post /Assignment	Organization/ University	Area of Assignment	Duration	
				From (Date)	To (Date)
i.	Visiting Professor Fellowship	South Asia Institute, Heidelberg University Germany	Research collaboration	11 Nov. 2011	10 Feb. 2012
ii.	Visiting Professor	Brussels Belgium , European Union Visitors Programme	Exposure visit	15 Dec. 2008	23 Dec.2008

### Publications

#### Books Authored

1. Urban System in Himalayas: A Study of Srinagar City-Region, 2008, Arina Publishers, New Delhi
2. Associate Editor, Management strategies for the Indian Himalaya: Development and Conservation, Vols. I & II, 2009, Transmedia Publication, Srinagar (Garhwal), Uttarakhand(Eds), Gyan Publishing House, Delhi, 2018.

#### Book Chapters

- 1. Effect of Changing Climate on the Water Resources of Upper Jhelum Basin (UJB), India In book: Riverine Systems: Understanding the Hydrological, Hydrosocial and Hydroheritage connections, : Capital Books, 2021
- 2. Urbanization and Its Impact on Biodiversity on Biodiversity in the Kashmir Himalaya in the book: Biodiversity of the Himalaya: Jammu and Kashmir, Springer Publication, Feb. 2020
- 3. Spring Water Quality & Human Health in Foothill Settlements of Pir Panjal Range in Anantnag & Kulgam Districts of Jammu & Kashmir, India in the book: Environmental Deterioration and Human Health, 2014, Springer, Dordrecht
- 4. Analysis of Extreme Weather Events in Kashmir valley with Special Reference to Temperature and Precipitation, in M. S. S. Rawat (ed.) Management Strategies for the Indian Himalaya: Development and Conservation, (2009) , Transmedia Publication, Srinagar (Garhwal), Uttarakhand
- 5. Impact of landuse/landcover Change on Himalayan Wetlands- A Case Study of Hokar Sar wetland, Kashmir Valley, Jammu & Kashmir, in M. S. S. Rawat (ed.) Management Strategies for the Indian Himalaya: Development and Conservation (2009) . Transmedia Publication, Srinagar (Garhwal), Uttarakhand

6. Impact of Tourism on Landuse/ Landcover Change in the Himalaya- A Case Study of Liddar Watershed of Pahalgam, Jammu & Kashmir, in M. S. S. Rawat (ed.) Management Strategies for the Indian Himalaya: Development and Conservation, (2009) Transmedia Publication, Srinagar (Garhwal), Uttrakhand

### **Research Papers**

Ahmad, B., Alam, A., **Bhat, M. S.**, Bhat, K. A., haq, I. J., Farooq, H. A., and Qadir, J. (2021), Retracing Realistic Disaster Scenarios from Archival Sources: A Key Tool for Disaster Risk Reduction, Int. J. Disaster Risk Science, <https://doi.org/10.1007/s13753-021-00363-5>

Ahmad, N., Wang, G., Martijn J. B, Ceribasi, G., **Bhat M. S.**, Ceyhunlu, A. L. and Ahmed, A. (2021) , Changes in monthly streamflow in the Hindukush–Karakoram–Himalaya Region of Pakistan using innovative polygon trend analysis, Stochastic Environmental Research and Risk Assessment, Springer, DOI: [.org/10.1007/s00477-021-02067-0](https://doi.org/10.1007/s00477-021-02067-0)

- Mir, S. A., **Bhat, M. S.**, and Matoo, D. (2021), Groundwater Potential Zonation using Integration of Remote Sensing and AHP/ANP Approach in North Kashmir, Western Himalaya, India, Remote sensing of Land: 5(1), 41-58, DOI: [10.21523/gcj1.2021050104](https://doi.org/10.21523/gcj1.2021050104)

Mattoo, D. **Bhat, M.S** , Sajad, A. M. and Mahameen, M. M. (2021), Statistical Evidence of Climate Variability in The Upper Jhelum Catchment, International Journal of Modern Agriculture : 10(2), 4022-4032

Ballesteros , A. J., Koul, T., Ahmad B., Pozo, M. B., Allen, S., Guillet, S., Rashid, I., Shah, M., **Bhat, M. S.**, Alam, A. and Stoffel, M. (2020), Recent flood hazards in Kashmir put into context with millennium-long historical and tree-ring records, Science of The Total Environment , 722(137875):1-9, DOI: [10.1016/j.scitotenv.2020.137875](https://doi.org/10.1016/j.scitotenv.2020.137875)

Qadir, J., **Bhat, M. S.**, Alam, A., and Rashid. I. (2020), Mapping groundwater potential zones using remote sensing and GIS approach in Jammu Himalaya, Jammu and Kashmir, Geo-Journal 85:487–504

Alam, A., **Bhat, M. S.** and Maheen, M. (2019) Using Landsat satellite data for assessing the land use and land cover change in Kashmir valley, GeoJournal, DOI: [10.1007/s10708-019-10037](https://doi.org/10.1007/s10708-019-10037)

**Bhat, M. S.**, Ahmad, B., Alam, A., Farooq, H.A., and Ahmad, S. (2019), Flood hazard assessment of the Kashmir Valley using historical hydrology, Journal of Flood Risk Management, Willey Publications, <https://doi.org/10.1111/jfr3.12521>

**Bhat, M. S.**, Alam, A., Ahmad, S. Farooq, H.A., and Ahmad, B. (2019), Flood hazard assessment of upper Jhelum basin using morphometric parameters, Environmental Earth Sciences (2019) 78:54 <https://doi.org/10.1007/s12665-019-8046-1>

**Bhat, M. S.**, Alam, A. Ahmad, B., Kotlia, B. S., Farooq, H.A., Taloor, A. K. & Ahmad, S. (2018), Flood frequency analysis of river Jhelum in Kashmir basin, Quaternary International, <https://doi.org/10.1016/j.quaint.2018.09.039>

Alam, A., **Bhat, M. S.**, Kotlia, B. S. Ahmad, B. et.al. (2018), Hybrid tectonic character of the Kashmir basin: Response to comment on “Coexistent pre-existing extensional and subsequent compressional tectonic

deformation in the Kashmir basin, NW Himalaya (Alam et al., 2017), by Shah (2017), Quaternary International, DOI: [10.1016/j.quaint.2018.02.010](https://doi.org/10.1016/j.quaint.2018.02.010)

Alam, A., **Bhat, M. S.**, Farooq, H. A. And Sheikh, A. H. (2018), Flood risk assessment of Srinagar city in Jammu & Kashmir India, International Journal of Disaster Resilience in the Built Environment (3), DOI, 10.1108/IJDRBE-02-2017-0012

Parray, A. J. Ganie, S. A. and **Bhat, M.S.** (2018), GIS based land suitability analysis using AHP model for urban services planning in Srinagar and Jammu urban centres of J & K, India, Journal of Urban Management, Elsevier, 7: 46-56, <https://doi.org/10.1016/J.jum.2018.05.002>

Ahmad, S. Alama, A., Ahmad, B., Afzal, A. Bhat, M. I., **Bhat, M. S.**, and Farooq, H. A. (2018), Tectono-geomorphic indices of the Erin Basin, NE Kashmir valley, Journal of Asian Earth sciences, 151: 16-30

Fayaz, s., Naqashbandi, Z., Rather, G. M. and **Bhat, M. S.** (2018), Household quality of life index among ethnic population of north Kashmir Himalayas- India, International Journal of Advanced Research and Engineering, 7(4): 671-677

Ganaie, S. A. Parray, J. A., and **Bhat, M. S.** (2017), Spatial analysis of food imports in Jammu and Kashmir, India, International Journal of Interdisciplinary Research and Innovations, 5(4): 54-61.

Nengroo, Z. A. **Bhat, M. S.**, and Kuchay, N. A. (2017), Measuring urban sprawl of Srinagar city, Jammu and Kashmir, India, Journal of Urban Management, Elsevier

Nengroo, Z. A., Shah, A. H., and **Bhat M. S.** (2017), Assessment of the impact of land use change on natural resource land of Srinagar Metropolitan Region of Kashmir Valley, Journal of Humanities And Social Science (IOSR-JHSS) ,22(7): 54-60

**Bhat, M. S.**, Alam, A. Ahmad, B., and Ahmad, (2017), Field Guide book - Kashmir Himalaya, DOI: [10.13140/RG.2.2.15736.55040](https://doi.org/10.13140/RG.2.2.15736.55040)

Alam, A. **Bhat, M. S.**, Kotlia, B. S. Ahmad, B. et.al. (2017), Coexistent pre-existing extensional and subsequent compressional tectonic deformation in the Kashmir basin, NW Himalaya, Quaternary International (Elsevier), 1-8.

Shah, H. A., Nengroo, Z. and **Bhat, M. S.** (2017), Optimizing the sustainability of tourist infrastructure in Dal lakewatershedof Kashmir Himalayas, Journal of Indian Research, 5(3): 95-104

Nengroo, Z. A., **Bhat, M. S.** and Kuchay, N. A. (2017), Measuring urban sprawl of Srinagar city, Jammu and Kashmir- India, Journal of Urban Management (Elsevier), 6(2) DOI: [10.1016/j.jum.2017.08.001](https://doi.org/10.1016/j.jum.2017.08.001)

Nengroo, Z. A., Shah, A. H., and **Bhat, M. S.** (2017), Assessment of the impact of land use change on natural resource land of Srinagar Metropolitan Region of Kashmir Valley, IOSR Journal of Humanities and Social Science (IOSR-JHSS), 22: 54-60

Nengroo, Z. A., Shah, A. H., and **Bhat, M. S.** (2017), Dynamics of land use change in rural-urban fringe: A case study of Srinagar city, Environmental Science-An Indian Journal , 13(4):1-12

- Ahmad, B. Alam, A., **Bhat, M. S.**, Ahmad, S. Shafi, M., and Rasool, R. (2017), Seismic risk reduction through indigenous architecture in Kashmir Valley, *International Journal of Disaster Risk Reduction (Elsevier)*, 21: 110-117
- Farooq, H.A., **Bhat, M.S.**, Alam, A. and Ahmad, S. (2016), Flood hazard Zonation and Vulnerability Assessment of greater Srinagar, Jammu & Kashmir India, *International Journal of Advanced Research*. 4(12): 1679-1690
- Farooq, H., Alam, A., **Bhat, M. S.** and Ahmad, S. (2016), One Dimensional Steady Flow Analysis Using HECRAS – A case of River Jhelum, Jammu and Kashmir, *European Scientific Journal*, 12(32): 340-350
- Malik, I., **Bhat, M. S.**, and Najar, S. A. (2016), Remote Sensing and GIS Based Groundwater Potential Mapping for Sustainable Water Resource Management of Lidder Catchment in Kashmir Valley, India, *Geological Society of India*, 87: 716-726
- Ganie, S. A., **Bhat, M. S.** and Parry. A. J. (2016), Spatial Variations in the Levels of Agricultural and Socio-economic Development in Jammu & Kashmir — A District Level Analysis, *Agriculture Economics Research Review*, 27(1): 119-126
- Shafiq, M.U., **Bhat. M.S.**, Rasool, R., Ahmed, P., Singh. H. and Hassan, H. (2016), Variability of Precipitation regime in Ladakh region of India from 1901-2000 , *Journal of Climatology & Weather Forecasting* , 4(2): 1-4
- Naqshbandi, Z., Fayaz, S., **Bhat, M. S.** (2016), Urban Growth and Its Impact on Land Transformation in Medium Sized Urban Centres of Kashmir Valley, *Journal of Humanities And Social Science (IOSR-JHSS)*, 21(2): 46-51.
- Kuchay. N. A., **Bhat, M. S.** and Shafi, N. (2016), Population growth, urban expansion and housing scenario in Srinagar City, J&K, India, *Journal of Geography and Regional Planning*, 9(1): 1-11
- Naqshbandi, Z., Fayaz, S., **Bhat, M. S.** (2016), A quantitative analysis of spatial organization of the urban centers in Kashmir Valley: A geographic information systems- based study using primacy index, rank-size rule, and nearest neighbor index, 7: 11-19, DOI: 10.19071/jes
- Fayaz, S., Rather, G.M., Naqshbandi. Z. K., Farooq, H. K., Parray, J.A. Shah, A. H. and **Bhat, M. S.** (2015), Physical Ecology of slums in Srinagar City, *International Journal of Recent Scientific Research*, 6, (12): 7972-7977.
- Anees, S. M., **Bhat, M. S.** and Mishra, O. P., (2015), Field Survey on Historical Monuments for Assessment of Earthquake Resistant Structures: Case Study of Srinagar Capital City of Jammu & Kashmir, India, *International Journal of Scientific and Research Publications*, 5(12): 109-119
- Anees, S.M, and **Bhat, M. S.**(2015), Assessment of the seismic vulnerability of residential structures buildings of Srinagar city, Jammu & Kashmir, *International Journal of Advanced Research in Engineering & technology (IJARET)*, 6(2), 20-27
- Malik, I. and **Bhat, M. S.** (2015), Sustainability of tourism development in Kashmir — Is paradise lost, *Tourism Management Perspectives (Elsevier)*, 16: 11–21
- Naqshbandi, Z. K., Fayaz, S., Farooq, H., Rather, G. M. and **Bhat, M. S.** (2015), Socio-Economic Characteristics of Slums in Srinagar City J&K India , *Elixir Social Studies* 85 :34624-34630

- Ahmad, S., Alam, A., Ahmad, B., Bhat, M. I., and **Bhat, M. S.** (2015), Geomorphic evidence of unrecognized Balapur fault segment in the southwest Kashmir basin of northwest Himalayas, *Geomorphology (Elsevier)*, 250 : 159–172
- Ahmad, B., Ahmad, S., Alam, A., Wang, S., and **Bhat, M. S.** (2015), Looking for missing links: An update on nineteenth century seismicity of Kashmir. *Seismological Research Letters (American Geophysical Union)*, 86(4)
- Alam, A. Ahmad, S., **Bhat, M. S.**, and Ahmad. B. (2015), Tectonic Evolution of Kashmir Basin in Northwest Himalayas, *Geomorphology (Elsevier)*, 239: 114-126 (IF 3.175)
- Bhat, M. S., Rather, J. A., Kanth, T. A. and **Bhat, M. S.** (2015), Core-Winter Temperature in Kashmir Valley (1950-2010) as an Indicator of Climatic Change, *Asian Resonance*, 4(3): 151-155
- Shah, A. H., Teli, A.P. and **Bhat, M. S.** (2014), Dynamics of Land Use/ Land Cover in Dal Watershed of Kashmir Valley- A Remote Sensing and GIS Approach, *International Journal of Advanced Information Science and Technology (IJAIST)*, 32 (2), 5- 13, ISSN: 2319:2682
- Ganie, S. A., **Bhat, M.S.**, and Parray, A. J., (2014), Spatial variations in the levels of agricultural & socio-economic development in Jammu & Kashmir - A District Level Analysis. *Agricultural Economics Research Review*, 27 (1): 119-126.
- Malik, I. M. and **Bhat M. S.** (2014), Integrated approach for prioritizing watersheds for management-A study of Lidder catchment of Kashmir Himalayas, *Environmental Management, (Springer)*, 54(4): ISSN No. 0364-152X (IF 1.6)
- Kuchay, N. A. and **Bhat. M. S.**(2014), Urban sprawl of Srinagar City and its Impact on wetlands – A Spatio-temporal Analysis, *International Journal of Environment and Bioenergy*, 9(2):122-129 ISSN 2165-8951
- Ganie, S. A., **Bhat. M. S.**, Kuchay, N.A., and Parray, J. A. (2014), Delineation of Micro-agro Climatic Zones of Jammu & Kashmir, *International Journal of Agricultural and Statistical sciences*, 10(1):219-225
- Ganie, S. A., **Bhat, M.S.**, and Parray, J. A. (2014), Spatial analysis of cropping land use dynamics in Jammu and Kashmir – A district level study, *International Journal of Recent Scientific Research*, 5(3): 625-631.
- Kuchay, N. A. and **Bhat, M.S.** (2013), Tourist Flow and Tourism Potential Regions of Gulmarg in Kashmir Himalayas, *Global Journal of Human Social Science - Geography, Geo-Sciences, Environmental Disaster Management*, 13 (4), Online ISSN: 2249-460x & Print ISSN: 0975-587X.
- Kuchay, N.A. and **Bhat, M. S.** (2013), Automated drainage characterization of Dudganga watershed in western Himalayas, *European Scientific Journal*, 9: 1857 – 7881 (Print) e - ISSN 1857- 7431. ICV 8.25
- Kuchay, N. A. and **Bhat. M. S.** (2013) Analysis and Simulation of Urban Expansion of Srinagar City, *Transactions*, 36(1):109-117
- Parray, A.J., Ganie, S.A., Nengroo, Z.A. and **Bhat, M.S.** (2012), Spatial Analysis on the Provision of Urban Amenities- A Case Study of Srinagar City, Jammu & Kashmir, India, *Research on Humanities & Social Sciences*, 2(6): 192-219.



- Ahmad B., Ahmad K., Alam A. and **Bhat M. S.** (2012), Reconstructing Past Climate and Natural Disasters in Kashmir Valley: Using Historical Evidence as Climate Proxies, *Journal South Asian Disaster Studies*, 5, 1 & 2.
- Dharmasena, P. and **Bhat, M. S.** (2012), Economic Analysis of Multipurpose Agroforestry Plantation in Abandoned Tea Lands in Mid Country of Sri Lanka, *Journal of Agriculture Research*, 50 (2): 271-278
- Dharmasena, P. and **Bhat, B. S.** (2012), Yield Damage Functions for Tea Sectors in Sri Lanka and India- An Empirical Estimation, *Agriculture Science Digest*, 32(2): 76-79
- Dharmasena, P. and **Bhat, M. S.** (2011), Assessment of Replacement Cost of Soil Erosion in Uva High Lands Tea Plantations of Sri Lanka, *International Journal Research Journal of Environmental Sciences*, 6(2): 241-246
- Malik, M. I., and **Bhat, M. S.** (2011), Anthropogenic Impact on Forest Cover in the Western Himalayas – A Case Study of Lidder Catchment in Kashmir Valley, *Transactions Institute of Indian Geographers*, 33(2): 54-65.
- Alam, A. and **Bhat, M.S.** (2011), Estimation of Snowmelt Runoff Using Snowmelt Runoff Model (SRM) in a Himalayan Watershed, *World Journal of Science & Technology*, 1(9): 231-245
- Malik. M. I. and **Bhat, M. S.**(2011), Watershed Based Drainage Morphometric Analysis of Lidder Catchment in Kashmir Valley Using Geographical Information System, *Recent Research in Science & Technology*, 3 (4): 118-126
- Rather, G.M. **Bhat, M. S.**, and Kanth T. A. (2010), Impact of Urban Waste of Srinagar City on the Quality of Water of River Jhelum, *International Journal of Lakes and Rivers*, 3(1): 17-24.
- Bhat, M. S.** and Bhat, M. S. (2008), Precipitation Variability in Kashmir Valley: A Temporal Analysis, *Kashmir Journal of Social Sciences*, 2(1): 43-49
- Bhat, M. S.**, Bhat, M. S. and Kanth, T. A. (2007), Nature and magnitude of Climate Change in Kashmir Valley: A Spatio-Temporal Analysis of Temperature and precipitation, *Annals of the National Association of Geographers, India*, 27(1): 48-60.
- Bhat, M. S.**, Bhat M. S. and Ahmad, P. (2006) Temperature Variability in Kashmir: A Spatio-Temporal Analysis, *The Geographer*, 53 (1) :1-5

#### Editorships

Peer reviewer for

- i. *International Journal of Disaster Resilience in the Built Environment*
- ii- *Journal of Remote Sensing & GIS*
- iii- *Transactions Institute of Indian Geographers*

#### Membership of Academic organizations

- Life Member, Annals of the Association of Geographers, India -(LM-1548)
- Life Member, Transactions Institute of Indian Geographers
- Life Member, Indian Journal of Regional Science
- Life Member of Indian Institute of Gemorphologists (IIG)- (L-564)

#### Presentations in conferences- National

S. No	Date	Title of Conference or Institution	Title/Subject of presentation
i.	3-5 <sup>th</sup> , October, 2018	30 <sup>th</sup> , National Conference of Indian Institute of Geomorphologists (IGI) , Department of Geography, Jamia Milia Islamia , New Delhi	Physical & parametric based modeling techniques for vulnerability assessment: A case of upper Jhelum floodplain, Kashmir
ii.	15- 20 , January, 2018	One week workshop on , Managing Floods and Droughts in a Changing Climate, organized by , Department of Civil Engineering, Jamia Millia Islamia, New Delhi, under MHRD,s Global Initiative of Academic Networks (GIAN)	Flood Early Warning System
iii.	2-4 <sup>th</sup> , April, 2018	13 <sup>th</sup> , Jammu & Kashmir Science Congress conducted by University of Kashmir, Srinagar	Climate Change Scenario in Himalayas
iv.	13-18 <sup>th</sup> , March, 2017	UGC-SAP National Seminar Cum Workshop, on Disaster Mitigation : Approaches & Strategies, organized by Department of Geography, University of Kashmir, Srinagar	Natural Disasters- Vulnerability Status of Kashmir Himalayas
v.	26-28, December ,2017	Conference of Institute of Indian Geographers Organized by Department of Applied Geography, Ravenshaw University, Cuttack on, December	Dynamics of cropping Pattern and Scenario of food production in Jammu & Kashmir- A Spatio- temporal Analysis
vi.	13-14 <sup>th</sup> , May, 2016	Workshop on Floods & Rains in Jammu & Kashmir in 2014 sponsored by Indian National Science Academy (INSA) & United States National Academy of Sciences In collaboration with Department of Geography, University of Jammu	Causative actors of 2014 floods of Kashmir
vii.	9-14, Dec 2015,	One-week workshop on Social Impact Assessment from, conducted by Centre for Environment & Policy, New Delhi.	Corporate Social Responsibility- An Evaluation
viii.	26-27 <sup>th</sup> , March, 2014	National Seminar on Natural Resources of North Western Himalaya: Threats, Evaluation & Conservation, organized by Sri Partap College, Jammu & Kashmir	Sustainability of Himalayan Resources: Major issues & concerns
ix.	7-8 <sup>th</sup> , Feb. 2013,	National Seminar on , Demographic Dynamism in India with Special Focus on North-Western India, organized by Department of Geography, Panjab University , Chandigarh	Impact of urbanization on spatial status of wetlands of North-Western Himalayas: A case study of Srinagar city
x.	7-8 <sup>th</sup> , March, 2008	<i>National Seminar on Land Use Land Cover &amp; Agro-Biodiversity organized by Department of Geography, National Post-graduate College, Lucknow, India</i>	Impact of Anthropogenic Activities on in Kashmir Himalayas

## International

S.No	Date	Title of Conference or Institution	Title/Subject of presentation
i	19-20 February, 2020	Natural Hazards , Conflicts & Disasters in the Himalaya, Institute of Disaster Risk Reduction (IRDR) , University College London	Anthropogenic Drivers of Disasters in Kashmir Himalayas
ii	15-20 <sup>th</sup> Jan. 2018	Managing Floods & Droughts in Changing Climate , Department of Civil Engineering , Jamia Milia Islamia, New Delhi	Metrological Data Deficiency and Discrepancies- Challenges & Issues
iii	9-10, Feb. 2017.	International Congress on Urban Futures-2017, Organized by Urban Future at India International center, New Delhi on	Implications of Urbanization on Land Use /Land Cover in North-Western Himalayas- A Case of Greater Srinagar City
iv	12-11-2017	Latest Innovation in Arts, Social Science & Humanities organized by Indian Federation of United Nations Associations, New Delhi	Cropping Land Use Shift & Food Deficit
v	6-11th, Nov. 2017	9 <sup>th</sup> , International Conference on Geomorphology by Indian Institute of Geomorphologists (IGI)	Flood Hazard Assessment of Kashmir Valley Using Historical Hydrology
vi	13-14 <sup>th</sup> , October, 2017	International conference on Whither the Global Village: Is Globalization in Retreat? Central University of Kashmir, Srinagar	Brexit & Indication of Growing Nationalism in the United Kingdom
vii	14-16th, Nov. 2014	Disaster Law: Can Laws Make Communities Safer from Disasters, International Workshop by Transdisciplinary Disaster Research, Jawaharlal Nehru University Programme	Urban Planning & Disaster Vulnerability Status of Srinagar city
viii	4-5 <sup>th</sup> , June 2014	International Geographical Union Commission Conference, University of Kashmir, Srinagar	Vulnerability of Valley to Geo-Hazards
ix	5-6 <sup>th</sup> , June 2013	Regional Development , Sustainability & Socio-economic Development in Jammu & Kashmir organized by Initiative for Social Change & Action, New Delhi	Regional disparities in levels of socio-economic development of Jammu & Kashmir
x	6-12 <sup>th</sup> , Nov. 2013	SAARC regional training Programme on Children Safety including Children with Special Needs in South Asia, sponsored by SAARC Disaster management Centre (SDMC), conducted by Department of Geography, University of Kashmir, Srinagar	Safety Assessment of School Buildings in Rural Areas of Kashmir
xi	07-11-2011	Department of Geography, South Asia Institute, Heidelberg University, Germany	Major Areas of Research Concern in North Western Himalayas of India
xii	10-12-2011	Centre of Himalayan Studies Lab. Paris, France	Impact of Urbanization on Land Use Land Cover Change in North Western Himalayas- A Case of Srinagar Metropolitan Region, Jammu & Kashmir
xiii	17-19 <sup>th</sup> ,	International Conference on Climate Change,	Nature and magnitude of

	Jan, 2011	Geohazards & Disaster Management, Department of Geography, University of Rajasthan, Jaipur	Climate Change in Kashmir Himalayas
<b>xiv</b>	23-24 April 2008.	Reconstruction Process in Afghanistan, South, Central, Southeast Asian and Southwest Pacific Studies, School of International Studies, Jawaharlal Nehru University, New Delhi	Urban Sprawl & Spatial Status of Agriculture & Wetlands in Himalayan Urban Centre of Srinagar City
<b>xv</b>	23-24 <sup>th</sup> , April, 2008	Reconstruction Process in Afghanistan, International Conference Organized by Jawaharlal Nehru University, New Delhi	Post-war Urban Development Scenario in Afghanistan
<b>xvi</b>	13-17 <sup>th</sup> , Nov. 2000	Professional Training Workshop on the Administrative Planning & Research Problems of Rapid Urbanization, Sponsored by Common Wealth Geographical Bureau in association with Commonwealth Foundation , CSRD, JNU, New Delhi	Urbanization Trends , characteristic & Problem in Kashmir Region

**Participation and contribution in National/International Fora in the area of Academic and Professional Expertise**

		Number(s)
Plenary Lectures/Invited Talks	International	<p><b>i.</b> Institute of Disaster Risk Reduction (IDRR), University College London, UK</p> <p><b>i.</b> South Asia Institute, Heidelberg University, Germany</p> <p><b>ii.</b> Centre of Himalayan Studies Lab. Paris, France</p>
	National	<p><b>i.</b> Disaster Research Center, JNU, New Delhi</p> <p><b>ii.</b> Department of Geography, Panjab University Chandigarh</p> <p><b>iii.</b> Department of Geography, University of Rajasthan, Jaipur</p> <p><b>iv-</b> Institute of Management &amp; Public Administration, Jammu &amp; Kashmir, Srinagar</p> <p><b>v.</b> National Institute of Technology (NIT), Srinagar Kashmir</p> <p><b>vi-</b> UGC- Human Resource Development Centre, Kashmir University, Srinagar</p>

Congresses attended	International	9 <sup>th</sup> , International Congress on Geomorphology by Indian Institute of Geomorphologists (IGI), 2017
	National	12 <sup>th</sup> , 14 <sup>th</sup> , & 18 <sup>th</sup> Jammu & Kashmir Science Congress
	National	Punjab University, Chandigarh JNU, New Delhi Jamia Milia Islamia Delhi University, Delhi University of Jammu, Jammu

### Research Projects

S.No	Istitutions/Organization's name	Nature of project	Duration of project	Amount of grant (Rupees)
i.	University Grants Commission (UGC), MHRD, Government of India	Centre With Potential for Excellence in a Particular Area (CPEPA), <i>Centre for Kashmir Himalayan Biodiversity: Documentation, Bio-prospection and Conservation</i>	5 Years (Ongoing)	
ii.	Ministry of Earth Sciences (MoES), Government of India	<i>Flood Hazard Evaluation &amp; Vulnerability of Upper Jhelum Floodplain in Kashmir Valley</i>	3 Years	60,81,240/-
iii.	Indian Council of Social Science Research (ICSSR), New Delhi	<i>Dynamics of Cropping Pattern &amp; Its Implications on Food Security of Jammu &amp; Kashmir-A Spatio-temporal Analysis</i>	2 Years	2,500,000/-
iv.	Department of Science & Technology, (DST) Government of India	Snow Assessment, Snout Monitoring and Glacial Geomorphological Investigation of Neh Nar Glacier of Sind Valley, Kashmir	March,2013 to Feb. 2015 (2 Years)	21,57,200/-
v.	Indian Council of Social Science Research, New Delhi	Anthropogenic Impact on Land use Dynamics of Western Himalayas- A Case Study of Lidder catchment of Kashmir Valley	May 2012 to Feb. 2014 (2 Years)	709,000/-
vi.	University Grants Commission (UGC), MHRD, Government of India	Urban Sprawl of Srinagar City- An Impact Assessment Analysis Using Geo-Spatial Tools	March, 2010 to Feb. 2013 (3 Years)	8,69,300/-

### Consultancy Projects

S. No.	Organisations	Nature of assignment	Duration of assignment
i.	Risk Management Solutions India (RMSI), New Delhi	Preparation of DPR of Multi Hazard Risk Assessment for Jammu and Kashmir	July 2018- June 2019
ii	Irrigation & Flood Control Department, Govt. of Jammu & Kashmir	Member of monitoring committee of Jhelum & Tawi flood mitigation project sponsored by World Development Bank	2018-2019
iii	Lakes & Waterways Development Authority, Govt. of Jammu & Kashmir	Member of Scientific advisory committee for monitoring the impacts of Dal Lake Action Development Plan	2017-18
iv	National Hydel Power Corporation NHPC, Govt. Of India	EIA & EMP of Bursar Hydro – Electric Project, Kishtawar Power Project in Jammu & Kashmir. Preparation of Social Impact Assessment (SIA), & Resettlement and Rehabilitation (R&R), plan.	March, 2015 to Feb, 2017
v	Sonmarg Development Authority, Govt. of Jammu & Kashmir	EIA & EMP of Sonmarg Development Authority Area in Jammu & Kashmir. Preparation of Socio- Economic Impact & Management plan.	March, 2016 to Feb, 2018
vi	Yusmarg Development Authority, Govt. of Jammu & Kashmir	EIA & EMP of Yusmarg Development Authority Area in the State of Jammu & Kashmir. Preparation of Socio- Economic Impact & Management plan	March, 2012 to July, 2013
vii	Gulmarg Development Authority, Govt. of Jammu & Kashmir	EIA & EMP of Gulmarg Development Authority Area in Jammu & Kashmir. Preparation of Socio- Economic Impact & Management plan.	June, 2012 to March, 2013
viii	Wular Development Authority, Govt. of Jammu & Kashmir	EIA Report of Management Action Plan for Wular Lake in Jammu & Kashmir. Preparation of management plan	March, 2013 to August, 2013
ix	Pahalgam Development Authority, Govt. of Jammu & Kashmir	EIA & EMP of Pahalgam Development Area in the State of Jammu & Kashmir. Preparation of Socio- Economic Impact & Management plan.	Oct 2010 – Sept. 2011
x	Govt. of Jammu & Kashmir	Environmental Impact Assessment (EIA) and Environmental Management Plan (EMP) of Passenger Ropeway Project, Makhdoom Sahib Shrine, Srinagar in Jammu & Kashmir	May, 2010 to June, 2011
xi	Department of Food and Public Distribution, Ministry of Consumer Affairs, Food and Public Distribution, Govt. of India	Targeted Public Distribution System, (Jammu & Kashmir Area), - Evaluation: Study carried under Indian Institute of Public Administration	June, 2007 to March, 2008
xii	Govt. of Jammu & Kashmir	EIA & EMP of Industrial Growth Complex of Lassipora, Pulwama District in Jammu & Kashmir	May, 2007 to March, 2009
xiii	National Hydel Power Corporation NHPC, Govt. Of India	Resettlement and Rehabilitation Plan for the Displaced Families of Kishanganga Hydroelectric Project, Gurezi n Jammu & Kashmir	August, 2006 to Nov. 2007
xiv	Govt. of Jammu & Kashmir	EIA & EMP of Mugal Road in of Jammu & Kashmir	June, 2005 to Sept. 2007

<b>xv</b>	National Hydel Power Corporation NHPC, Govt. Of India	EIA & EMP of Nimo-Bazgoo Hydroelectric Power Project in Leh, Ladakh. Preparation of Social Impact Assessment (SIA), & Resettlement and Rehabilitation Plan (R&R), plan.	June,2004 to Dec. 2006
<b>xvi</b>	National Hydel Power Corporation NHPC, Govt. Of India	EIA & EMP of Uri-II Hydroelectric Power Project in Jammu& Kashmir. Preparation of Social Impact Assessment (SIA), & Resettlement and Rehabilitation (R&R), plan	July, 2003 to June, 2005
<b>xvii</b>	Town Planning, Kashmir Division, Govt. of Jammu& Kashmir	Preparation of Master Plan of Greater Srinagar City in Jammu & Kashmir. Delineation of Greater Srinagar Spatial Limits	June, 2002 to Nov. 2003

### Honours/Awards & Fellowships

<b>S. No.</b>	<b>Name of Award/Fellowship etc</b>	<b>Elected/Honorary Fellow</b>	<b>Awarded by</b>	<b>Year of Award</b>
<b>i</b>	Leadership for Academicians Programme (LEAP)	Nominated	UGC, MHRD, Govt. of India	Feb. 2018
<b>ii</b>	Baden Wurttemberg Visiting Professor Fellowship at South Asia Institute, Heidelberg University Germany	Selected	UGC, MHRD, Govt. of India	Nov.2011 to Feb. 2012
<b>iii</b>	European Union Visitors Programme, Brussels, Belgium	Nomination	UGC, MHRD, Govt. of India	Dec. 2008

### No. of Research Scholars Guided

<b>Name of Programme</b>	<b>Awarded (No.)</b>
<b>Ph. D</b>	<b>11</b>
<b>M. Phil</b>	<b>18</b>

### List of Ph.D. Scholars

<b>S. No</b>	<b>Name of Scholar</b>	<b>Topic</b>	<b>Year of Award</b>
	<b>Taha Shamim</b>	Impact of Climate Extremes on the Drought Conditions in Upper Indus Basin	Pursuing
	<b>Noureen</b>	Building Urban Resilience for Disaster Risk reduction : A case study of Srinagar City	do
	<b>Bilquis Shah</b>	Rainfall Threshold Based Land Slide Early Warning System for the Kashmir Himalayas	do
	<b>Sayeda Fakhara Jabeen</b>	Identification of Backward Areas for Integrated development of Pir Panjal in Jammu Region- A Micro Watershed approach	do

	<b>Nahida Yousuf</b>	Impact of Water Scarcity on Development of Resource Potentialities in North Kashmir	do
	<b>Rabbyaul Qalab</b>	Assessment of Urban growth Along National High & Its Geo-Environmental Implication in Kashmir Himalayas	do
	<b>Hilal Ahmad Sheikh</b>	Springshed Management Techniques for Spring Rejuvenation in Sindh Basin of Kashmir Himalayas	do
	<b>Umar Maqbool</b>	Assessment of Economic potentialities of Springs in South Kashmir	do
	<b>Shafakat Ahsan</b>	Impact of Climate Change on Surface hydrology of Kashmir , Jammu & Kashmir	do
	<b>Mehraj Ahmad Teeli</b>	Impact of Cropping dynamics on Rural Economy of South Kashmir	do
	<b>Mohmad Saleem Wani</b>	Environmental Sustainability of Tourism in Kashmir Valley : A comparative analysis of Sonmarg & Doodpathri	do
	<b>Nusrat Rafique</b>	Reclamation of Degraded Lands & Its Economic Implications in Budgam district of Jammu & Kashmir, India	do
	<b>Sajad Ahmad Mir</b>	Groundwater Quality Assessment and Its Impact on Human Health in North Kashmir	do
	<b>Durdanah Mattoo</b>	Impact of Changing Climate and Land Use/Land Cover on Hydrological Regime of Upper Jhelum Catchment of Kashmir Valley	do
	<b>Sameer Fayaz</b>	High Altitude Residential Environment and Quality of Life in North Kashmir Himalayas- A Geo-Ecological Analysis	2018 (Co-Sup.)
	<b>Jahangeer Afzal Parray</b>	Spatial Analysis of Urban Amenities and their Impact on the Quality of Life- A Comparative Analysis of Jammu and Srinagar Urban centers	2017
	<b>Hakim Farooq Ahmad</b>	Flood Hazard Zonation and Vulnerability Assessment for Micro Level Flood Management Planning of Kashmir Valley	2017
	<b>Mohd Shafi Bhat</b>	Nature and Magnitude of Climatic Variability in the Sub-Himalaya vis-avis Kashmir	2017 (Co-Sup.)
	<b>Sidrat-UI-Muntaha Anees</b>	Earthquake Vulnerability Assessment- An Analytical Study of Srinagar City	2017
	<b>Zoya Kulsum Naqshbandi</b>	Urbanization and Its Impact on Land Resources in Kashmir Valley.	2017
	<b>Arif Hussain Shah</b>	Assessment of the Anthropogenic Stress on the Characteristics of Dal Lake Watershed: A Spatio-Temporal Analysis	2015
	<b>Nisar Ahmad Kuchay</b>	Urban Sprawl of Srinagar City and its Impact on Land Transformation and Hydro-geomorphological Characteristics- A Case of Dudganga Catchment in Western Himalayas	2015
	<b>Showkat Ahmad Ganai</b>	Dynamics of Cropping Land Use Pattern and Status of Food Scenario in Jammu and Kashmir : A Spatio-Temporal Analysis	2015
	<b>Mohammad Imran Malik</b>	Integrated Watershed Management for Sustainable Development of Western Himalayas: A Study of Lidder	2013



		Catchment	
	<b>Prasad Dharmasena</b>	Economic Analysis of Multipurpose Agroforestry Plantation in Abandoned Tea Lands in Mid Country of Sri Lanka	2013

### Work Experience Statement

I am presently working as Professor with a teaching experience of 28 years. Besides working as head department of Geography for 10 years, i have also served as Dean, School of Earth & Environmental Sciences for a period of three years. I have contributed towards the academic development of the university in capacity of a member of all the statutory bodies like University Council, University Academic Council, University, Syndicate , Finance Committee & University building committee . I have been involved in the teaching and research activities during the last twenty eight years. I have authored more than eighty research papers in the national and internationally acclaimed peer reviewed journals. Some of my research works have been utilized for policy formulation by the various concerned institutions/agencies and departments. I have pursued and guided research in Urban geography, Watershed Development, Climate Change and Environmental studies. About 18 (eighteen) M. Phil students and 13 (thirteen) Ph. D. scholars under my supervision have been successfully awarded their research degrees. I am a NABET accredited functional area expert (FAE) in Socio – Economic consultant and has been associated with EIA & EMP and SIA & SMP of a number of hydroelectric projects, roadways, industrial complexes, and tourism township developments of Jammu & Kashmir state and has also completed a number of research projects sponsored by ICSSR, UGC , Ministry of Earth Sciences (MoES), Government of India and DST . I am currently working on a research project under CPEPA programme of UGC, MHRD Govt. of India. Aavailed Baden Wurttemberg Visiting Professor Fellowship at South Asia Institute, Heidelberg University Germany and have been also selected for the Leadership for Academician Programme (LEAP) by the UGC in March, 2019.

Place: Srinagar, Kashmir

Date:15-01-2021

(Prof. M. S. Bhat)