

# Curriculum Vitae

## Syed Umer Latief (*Ph.D*)

**Current Address:** Department of Geography,  
Govt. Degree College Magam, Budgam, Kashmir - 193401  
**Email:** [84.syedumer@gmail.com](mailto:84.syedumer@gmail.com)  
**Research Interests:** Glaciology, Geomorphology, Remote Sensing, Climate Change

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### Education

- 2014**      **Ph.D.** Geography, Jamia Millia Islamia (A central university), New Delhi, India. Thesis: Dynamics of Himalayan Glaciers & Their Response to Climate Change: A Case study of Kolahoi Glacier.
- 2010**      **NET** (National Eligibility Test for Lectureship), Earth, Atmospheric, Ocean and Planetary Sciences. Council of Scientific and Industrial Research, New Delhi, India
- 2008**      **M.Sc.** (Masters in Science), Geography, University of Kashmir, Srinagar, J&K, India.
- 2005**      **B.Sc.** (Bachelors in Science), Geography, Geology, Chemistry & Gen. English, University of Kashmir, Srinagar, J&K India.
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### Professional Experience

- 1. Assistant Professor** at Department of Geography, Govt. Degree College Magam, Budgam, Kashmir From 19th Decemner, 2023 to Present.
- 2. Assistant Professor** at Post Graduate Department of Geography, Govt. Amar Singh College Gogji Bagh, Srinagar, Kashmir From 13th April, 2017 to 18th December, 2023.

3. **Post Doc Research Associate** on a DST funded project entitled “The Himalayan Cryosphere: Science and Society” at Centre for the Study of Regional Development School of Social Sciences Jawaharlal Nehru University, New Delhi from 13<sup>th</sup> December, 2016 to 12<sup>th</sup> April, 2017.
4. **Post Doc Research Associate** on a DST funded project entitled “Geomorphological and Chronostratigraphic Reconstruction of Glacial Episodes of Gangotri Glacier in Bhagirathi Basin, NW Garhwal Himalaya” at Centre for the Study of Regional Development School of Social Sciences Jawaharlal Nehru University, New Delhi from 01<sup>st</sup> April 2015 to 30<sup>st</sup> September, 2016.
5. **Lecturer** (Contractual) at Post Graduate Department of Geography, Govt. Amar Singh College Gogji Bagh, Srinagar, Kashmir From June 2014 to March 2015.

### **Skills**

OSL (Optically Stimulated Luminescence) Dating, CRN (Cosmogenic Radionuclide) Dating, GPR (Ground Penetrating Radar), Total Station, DGPS, WINDOWS based software's like MS-Word, excel, Power point, Origin, Arc GIS, Erdas Imagine, Global Mapper, Quantam GIS.

### **List of Publications**

1. Promila Bhardwaj, Rupendra Singh and **Syed Umer Latief** (2024): Glaciological Study and Climate Change in Indian Perspective. In K.K. Sharma, S. Sharma, V.K. Panday and R. Singh (eds.), Climate Change and Human Adaption in India. Springer Nature Switzerland AG 2024. pp. 3-12. ISBN 978-3-031-55820. DOI: <https://doi.org/10.1007/978-3-031-55821-4>.
2. Sanjay Deswal, Milap Chand Sharma, Rakesh Saini, Pritam Chand, Satya Prakash, Pawan Kumar, Iestyn David Barr, **Syed Umer Latief**, Padma Dalal & I. M. Bahuguna (2022): Reconstruction of post-little ice age glacier recession in the Lahaul Himalaya, north-west India. Geografiska Annaler: Series A, Physical Geography, pp. 1-26. Volume 105 (1). DOI: 10.1080/04353676.2022.2148082.
3. Rupendra Singh, Rajesh Kumar, **Syed Umer Latief**, Rajesh Kumar, and Mayank Shekhar (2022): Recession of Gaglu Glacier, Chandra Basin, Western Indian Himalaya. In S. Rani and R. Kumar (eds.), Climate Change, Impact, Responses and Sustainability in the Indian Himalaya. Springer Climate, Springer Nature Switzerland AG. pp. 103-123. ISBN 978-3-030-92782-0. DOI: [https://doi.org/10.1007/978-3-030-92782-0\\_5](https://doi.org/10.1007/978-3-030-92782-0_5).

4. Vijendra Kumar Pandey, Rajesh Kumar, Rupendra Singh, Rajesh Kumar, Suresh Chand Rai, Ramesh P. Singh, Arun Kumar Tripathi, Vijay Kumar Soni, S. Nawaz Ali, Dakshina, Tamang and **Syed Umer Latief** (2022): Catastrophic ice-debris flow in the Rishiganga River, Chamoli, Uttarakhand (India). *Geomatics, Natural Hazards and Risk*. Volume 13(1), pp. 289-309. <https://doi.org/10.1080/19475705.2021.2023661>
5. Satya Prakash, Milap Chand Sharma, S. Sreekish, Pritam Chand, Vijendra Kumar Pandey, **Syed Umer Latief**, Sanjay Deswal, Ishita Manna, Suresh Das, Sandip Tanu Mandal & I. M. Bahuguna (2021): Decadal terminus position changes and ice thickness measurement of Menthosa Glacier in Lahaul region of North-Western Himalaya. *Geocarto International*. Volume 37(22), pp. 6422-6441. <https://doi.org/10.1080/10106049.2021.1939437>
6. Pritam Chand, Milap Chand Sharma, Ujjal Deka Baruah, Sanjay Deswal, **Syed Umer Latief**, Rakesh Saini, Parvendra Kumar, Satya Prakash and Pawan Kumar (2019): Shrinking Glaciers of the Himachal Himalaya: A Critical Review. In Saikia, A. and Thapa, P (eds), *Environmental Change in the Himalayan Region*, Springer Nature Switzerland (ed). pp. 89-115. ISBN 978-3-030-03362-0. [https://doi.org/10.1007/978-3-030-03362-0\\_5](https://doi.org/10.1007/978-3-030-03362-0_5)
7. Rupendra Singh, Ram Chandra, Anjani K. Tangri, Rajesh Kumar, I.M. Bahuguna, **Syed Umer Latief**, Pratima Pandey and Sheikh Nawaz Ali (2018): Long-term Monitoring of Surging Glaciers in Upper Shyok Valley, Karakoram Range, India: A Case Study of Rimo and Kumdan Groups of Glaciers. *Journal of Climate Change*, Volume 4(1), pp. 1-12. DOI: 10.3233/JCC-180001
8. Milap Chand Sharma, Vijendra Kumar Pandey, Rajesh Kumar, **Syed Umer Latief**, Elora Chakrawarthy & Prasenjit Acharya (2017): Seasonal characteristics of black carbon aerosol mass concentrations and influence of meteorology, New Delhi (India). *Urban Climate*. Volume 24, pp 968-981; <https://doi.org/10.1016/j.uclim.2017.12.002>.
9. **Syed Umer Latief**, S.M.Rashid and Rupendra Singh (2016): Impact Analysis of Climate Change on Kolahoi Glacier in Liddar Valley, Northwestern Himalayas. *Arabian Journal of Geosciences*. Volume 9(18). pp 1-15. <https://doi.org/10.1007/s12517-016-2724-z>
10. **Syed Umer Latief**, Hasan Raja Naqvi, Akhtar Alam and Arshad Amin (2015): Morphometric Analysis of East Liddar Watershed, Northwestern Himalayas. *SSARSC International Journal of Geo Science and Geo Informatics*. Volume 2 Issue 1, ISSN 2348-6198.

11. **Syed Umer Latief**, S.M. Rashid and Pervez Ahamad. (2013): Morphometric Analysis of West Liddar Valley. In Qureshi, M. H. (ed). Jamia Geographical Studies. Manak Publications Pvt. Ltd. New Delhi, 110092. Vol 2. pp. 25-46. *ISBN No. 978-9378313264*.
12. **Syed Umer Latief**. (2012): The Wetlands of Kashmir Valley: A Study of Their Mapping & Inventorization. In Qureshi, M. H. (ed). Jamia Geographical Studies. Manak Publications Pvt. Ltd. New Delhi, 110092. pp 256-280. *ISBN No. 978-8178312804*.

#### **Abstracts/Presentations in International/National Conferences/Workshops/Symposia.**

1. *Channel dynamics and extent of flood damage in the upper Beas Basin, Himachal Pradesh*. 35<sup>th</sup> National Conference of the Indian Institute of Geomorphologists (IGI) on "Geomorphology, Environment and Management" Center for the Study of Regional Development (CSRD), Jawarlal Nehru University, New Delhi, November, 25-27, 2023.
2. *Spatial Dynamics of Kolahoi Glacier and its Response to Climate Change*. International Conference on "Climate Change, Natural Hazards and Sustainable Livelihoods" Department of Geography Kirori Mal College, University of Delhi, March, 12-13, 2022.
3. *Fluctuations in Surface Temperature of Menthosa and Gangestang Glaciers Using MODIS LST Data*. 33<sup>rd</sup> International Geographical Congress, Beijing, China, August, 21-25, 2016.
4. *Fusion of DGPS, Total Station and GPR Data for the 3d Mapping of Himalayan Cryosphere: Application and potential*. XXXV INCA, International Congress on Spatial Governance for Development, Planning Smart Cities and Disaster Management, Jawaharlal Nehru University, New Delhi, India, December, 15-17, 2015.
5. *Geomorphological Mapping of West Liddar Valley, North West Himalayas*. International Geographical Union (IGU) Commission Conference on Geo-Hazards, Biodiversity, Resource Sustainability and Mountain Response to Global Change, University of Kashmir, Srinagar, India. June, 4 – 5, 2014.
6. *GIS and Geopolitics (A Geopolitical Analysis of Land Use/Cover of POK and COK Area of J&K)*. International Geographical Union (IGU) Commission Conference on Geo-Hazards, Biodiversity, Resource Sustainability and Mountain Response to Global Change, University of Kashmir, Srinagar, India. June, 4 – 5, 2014.

7. *Mapping of Snow Cover Dynamics of Kashmir Valley*. National Seminar on Himalayan Resources: Issues Challenges & Management Strategies, University of Kashmir, Srinagar, India. October 2011.
8. *Spatial Dynamics of Kolahoi Glacier with response to climate change*. 3<sup>rd</sup> International Geography Congress on Sustainable Natural Resource Management under Changing Climatic Scenarios, CWRDM, Kozhikode, Kerala, India. May, 6 – 8, 2011.
9. *The composition, processing, recycling and dumping of e-waste in the NCR, India: A Case Study*. National Seminar on E – Waste Recycling and Management in India: Prospects & Challenges, Jamia Millia Islamia, New Delhi, India. March, 17 – 18, 2011.
10. *Dynamics of Kolahoi Glacier & Climate Change*. XXXII International Geographic Conference on Climate Change, Geo-Hazards and Disaster Management, University of Rajasthan, Jaipur, India. January, 17 – 19, 2011.
11. *Mapping & Monitoring of Wetlands of Kashmir Valley*. National seminar on Wetlands of India- Economics of Management & Conservation, Jamia Millia Islamia, New Delhi, India. March, 20 – 21, 2009.

#### **International/National Conferences/seminars/ Symposia Attended**

1. Online Seminar on “Climate Change and sustainability: Challenges and Prospects” organized by Govt. S.A.M Degree College Budgam in collaboration with J&K Science Technology and Innovation Council on August 10, 2023.
2. Webinar on “Program design Concepts- NAAC and NEP 2020” organized by InPods-Ed-tech on May 19, 2021
3. International webinar on “From Cities to Glaciers” organized by the Department of Geography , Bankura Zilla Saradamani Mahila Mahavidyapith on July 25, 2020.
4. Virtual symposium on “weather and climate issues in India” organized by Varysian Hydromet India from July 13 to 17, 2020

5. International Seminar “On Thin Ice: Arctic, Antarctic and the Himalayas” organized by The Royal Norwegian Embassy and Jawaharlal Nehru University, New Delhi. November, 29-30, 2016
6. International Conference on “The Eastern Himalaya: Climate Change, Livelihoods and Poverty”. Organized by The Centre for North East Studies and Policy Research, Jamia Millia Islamia, New Delhi. March, 7- 8, 2013.
7. National Seminar on “Revisiting Geography as a Sustainable Discipline”. Organized by A.M. Khwaja Chair in Collaboration with Department of Geography, Jamia Millia Islamia, New Delhi, India. February, 2 –21, 2013.
8. International Conference on Sustainable Technologies (ICST-2013) New Delhi. Organized by Faculty of Engineering and Technology, Jamia Millia Islamia, New Delhi and Supported by Indo-French Center for the Promotion of Advanced Research, New Delhi. January, 18 – 20, 2013.
9. SCAR Open Science Conference. Jointly organized by Scientific Committee on Antarctic Research (SCAR) Secretariat, Scott Polar Research Institute, Cambridge, United Kingdom and International Arctic Science Committee (IASC) Secretariat, Potsdam, Germany at Portland, Oregon, USA. July, 16 – 19, 2012.
10. National Seminar on “Environmental-Health Linkages: Emerging issues and policy Response”. Organized by Department of Economics, Jamia Millia Islamia, New Delhi. March, 16 – 17, 2012.
11. National Symposium on “Paradigm Shift in Geography”. Organized by A.M. Khwaja Chair in Collaboration with Department of Geography Jamia Millia Islamia, New Delhi, India. November, 28 – 29, 2011.
12. International Conference on Knowledge Development and Peace – Outlining Roadmaps for the Future. Organized by Institute of Objective Studies, New Delhi, India. April, 15 – 17, 2011.
13. National Seminar on “Economics of Solid Waste Management: An Indian Perspective”. Organized by Department of Economics, Jamia Millia Islamia, New Delhi, India. March, 12 – 13, 2010.

## **Workshops and Training Courses Attended**

- 1.** Training Course on Application of Geo-Informatics for Disaster Management under the National Natural Resource Management System program of ISRO organised by Geological Survey of India Training Institute Hyderabad Telangana India From 1st February to 20th February, 2024.
- 2.** Training on Flood Disaster Risk Reduction and Resilience" organized by National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India in collaboration with Mahatma Gandhi University Nalgonda Telangana from 21st December to 23rd December, 2022.
- 3.** Awareness Programme on Indian Science Technology and Engineering Facility Map (I-STEM) organized by the Department of Physics, National Institute of Technology Srinagar on 23rd May, 2022
- 4.** Training on "Disaster Risks Climate Change and Resilient Development" organized by National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India in collaboration with Delhi Technological University from 05th April, 2022 to 07 April, 2022.
- 5.** One Week Faculty Development Program on "Use of ICT with special emphasis on LMS (MOODLE) in Teaching Learning Process: A shift from traditional to Digital Oriented LMS Based Teaching Learning & Assessment Process" Organised by Govt. Degree College for Women, Baramulla from 7th to 15th March, 2022.
- 6.** International Virtual One Week Faculty Development Program on "Tools and Techniques in Research" Organised by Amar Singh College, Srinagar, J&K in collaboration with Cape Comorin Trust, India from 7th -13th March, 2022.
- 7.** Work shop on "Advances in Geoinformatics for Disaster Management and Mitigation -AGDMM 2022" organized by National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India in collaboration with SRM Institute of Science & Technology from 21st to 23rd February, 2022.
- 8.** Training Program on "Floods and Drought Risk Mitigation under Climate Change" organized by National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India in collaboration with National Institute of Hydrology from 2nd to 4th February, 2022

- 9.** Refresher Course in Disaster Management organized by UGC- Human Resource Development Center, University of Jammu from 1st to 14th February, 2021.
- 10.** Training Program on “Climate Change and Future Trends on Disaster Management” jointly organized by National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India and University of Kashmir, Srinagar from 27th to 29th January, 2021.
- 11.** Training Programme on “Disaster Management in Mountain Areas with special reference to Kashmir Himalaya” organized by National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India in collaboration with Department of Geography & Disaster Management University of Kashmir, Srinagar from 11th to 13th September, 2020.
- 12.** Faculty Development Programme cum Training programme on “Climate Change and Disaster Risk Reduction” jointly organized by National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India and OP Jindal University, Raigarh from 18th to 20th August, 2020.
- 13.** 93rd Orientation Programme organized by UGC- Human Resource Development Center, Osmania University Hyderabad, Telangana from 3rd March, 2020 to 24 March, 2020.
- 14.** Workshop on National Information System for climate and Environment Studies (*NICES*) and its Activities conducted at Jamia Millia Islamia, New Delhi by National Remote Sensing Centre (*NRSC*), ISRO, Department of Space, Hyderabad and Department of Geography, Jamia Millia Islamia, New Delhi on 29th January, 2019.
- 15.** Training programme on Disaster Preparedness from 23rd March 2018 to 24th of March 2018 at Amar Singh College, Srinagar.
- 16.** EduSat Training Course on Remote Sensing and GIS Applications in Carbon Forestry by Indian Institute of Remote Sensing, from 16<sup>th</sup> February, 2017 to 10<sup>th</sup> March, 2017.
- 17.** Glacindia Workshop - Training program on Climate Modeling and Climate Change Research, Innovation and Services from 9<sup>th</sup> to 10<sup>th</sup> April 2015 at School of Environmental Sciences, Jawaharlal Nehru University, New Delhi, India.



- 18.** Level-I Indo-Swiss Capacity Building Programme on Himalayan Glaciology from 1<sup>st</sup> to 27<sup>th</sup> April, 2013 at School of Environmental Sciences, Jawaharlal Nehru University, New Delhi, India.
- 19.** Workshop on Ice sheet mass balance and sea level (ISMASS), 14<sup>th</sup> July 2012, jointly organized by Scientific Committee on Antarctic Research (SCAR) Secretariat, Scott Polar Research Institute, Cambridge, United Kingdom and International Arctic Science Committee (IASC) Secretariat, Potsdam, Germany at Portland, Oregon, USA.
- 20.** Training on Snow Studies, Climate Change and Remote Sensing from 12<sup>th</sup> to 23<sup>rd</sup> December, 2011 at Divecha Center for Climate Change, Indian Institute of Science, Bangalore, India.
- 21.** Three Weeks Orientation Course on Research Methodology in Environmental Studies under UGC sponsored DRS I (SAP) from 15<sup>th</sup> March to 5<sup>th</sup> April, 2011 at Department of Economics Jamia Millia Islamia, New Delhi, India.
- 22.** EduSat Training Course on Remote Sensing, GIS & GPS organised by Indian Institute of Remote Sensing, Dehradun, India from 4<sup>th</sup> October, 2010 to 9<sup>th</sup> December, 2010.
- 23.** Three Weeks Orientation Course on Research Methodology in Environmental Studies under UGC sponsored DRS I (SAP) from 19<sup>th</sup> February, 2010 to 12<sup>th</sup> March, 2010 at Department of Economics Jamia Millia Islamia, New Delhi, India.
- 24.** EduSat Training Course on Remote Sensing, GIS & GPS organised by Indian Institute of Remote Sensing, Dehradun, India from 12<sup>th</sup> August, 2009 to 30<sup>th</sup> October, 2009.

#### **Research Projects:**

**Co-PI** in a ICSSR sponsored research project entitled “Assessment of Atal Mission for Rejuvenation and Urban Transformation (AMRUT) scheme in Jammu & Kashmir, Progress, Challenges and Future Directions (A Geospatial Approach)”.

#### **Awards, Honors and Fellowships**

- 1.** 2024-2025 Fulbright-Kalam Climate Fellowships for Academic and Professional Excellence (Research) from September, 2024 to May, 2025 at Colorado State University, Fort Collins, Colorado- 80523, USA.

2. Travel Grant for attending the ISMASS workshop from 14<sup>th</sup> -19<sup>th</sup> , July, 2012, jointly organized by Scientific Committee on Antarctic Research (SCAR) Secretariat, Scott Polar Research Institute, Cambridge, United Kingdom and International Arctic Science Committee (IASC) Secretariat, Potsdam, Germany at Portland, Oregon, USA and funded by International Council for Science (ICSU)

### **Memberships**

1. Member Board of Studies for the subject of Geography, Cluster University Srinagar, J&K.
2. Member Board of Studies (UG) for the Skill Enhancement Course in Remote Sensing & GIS, Department of Earth Sciences, University of Kashmir, Srinagar, J&K.

### **Glacier Field Visits**

1. Menthossa Glacier, Himachal Pradesh
2. Machoi Glacier, Ladakh
3. Gangstang Glacier, Himachal Pradesh
4. Gangotri Glacier, Uttarakhand
5. Nehnar Glacier, Kashmir, J&K
6. Kolahoi Glacier, Kashmir, J&K
7. Parakachik Glacier, Ladakh
8. Sheshram Glacier, Kashmir, J&K

***Syed Umer Latief***