

CURRICULUM VITAE

Name:	Ummer Ameen Shah
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Education.

- ❖ Bachelor of Science, Sri Pratap College Srinagar, Kashmir 2011-2013 (Second Division).
Main subjects: Chemistry, Zoology, Biochemistry.
- ❖ Post-Graduation in Geoinformatics (2014-2016) with Thesis title as: “**Soil Erosion Risk Modelling Using Remote Sensing and GIS**”. With First Division, from Deptt. of Geoinformatics, University of Kashmir.
Main subjects: Glaciology, Hydrology, Climate change, Remote Sensing, Geographic Information System.
- ❖ Ph.D. Department of Geoinformatics, University of Kashmir in the field of **Glaciology** (2020, *Pursuing*).

Research Experience.

1. Research experience of one and a half years, working as Junior Research fellow in the Department of Geoinformatics, University of Kashmir from June 2018 to 31st august 2019 – under the **DST** Sponsored project titled as “**Himalayan Cryosphere: Science And Society**”.
2. Research experience of one year, as Junior Research Fellow in the department of Geoinformatics, university of Kashmir from January 2020 to 30st November 2020 under the **ISRO** Sponsored project titled as “**Integrated Studies on Himalayan Cryosphere**”.
3. Research experience of one and a half years working as Research Fellow in the department of Geoinformatics, university of Kashmir from April 2021 to July 2023 under the under the project “**Strengthening the Innovative Research in Geoinformatics, Climate change and Hydrology, RUSA** sponsored project.
4. Currently working as Lab and Administrative assistant under the Department of Science and Technology (DST) Sponsored project “**Centre of Excellence for glacial Studies in North western Himalayas**”.

Publications.

- I.*** Glacier thickness and volume estimation in the upper Indus basin using modelling and ground penetrating radar measurements. *Journal of Annals of Glaciology*
- II.*** Anthropogenic climate change drives the melting of glaciers in the Himalaya. *Journal of Environmental Science and Pollution Research.*
- III.*** Comprehensive analysis of glacier recession (2000-2020) in the Nun Kun group of glaciers, northwestern Himalaya. *Journal of Mountain Science.*
- IV.*** Sediment yield estimation for developing soil conservation strategies in GIS environment for the mountainous Marusudar catchment, Chenab basin, J&K, India. *Journal of Himal Ecol Sustain Development.*

Conferences.

- 1.*** Participated in the *International Symposium On Tropical Meteorology (INTROMET21) On Climate Change: Consequences And Challenges (C4 21).*
- 2.*** Indian Society Of Geomatics(ISG) Conference Titled As; *Understanding GlacierRecession of Nun Kun Group of Glaciers, North-Western Himalayas.*
- 3.*** Indian Society Of Geomatics (ISG) Conference Titled As; *“Understanding the Driving Factors of Glacier Recession for Suru Basin Glaciers, Western Himalayas, J&K.*

Membership Of Scientific Societies.

Lifetime member of **ISG** (Indian Society of Geomatics).

Field Experience.

Field experience of more than 6 years in the field of Glaciology to different Himalayan glaciers.

Technical Skills.

- ❖ Experience in GIS and Remote Sensing.
- ❖ Professional Exposure to In-depth Field Work.
- ❖ Satellite Data Pre-processing.
- ❖ Operation of Global Positioning System (GPS), DGPS.
- ❖ Trimble Electronic Total Station.
- ❖ Modelling spatial problems in GIS environment.
- ❖ Ground Penetrating Radar (GPR).
- ❖ Hueke's Drill Handling.