**CURRICULUM VITAE**

Name: **Dr. Nahida Ali**

Father’s Name: **Ali Mohd Khan**

Date of Birth: **10th December 1987**

Address: **Vill. Gopalpora Kalan, Mattan, Anantnag, Jammu and Kashmir, India.**

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**Expertise and Career Summary**

Nahida Ali, received her Bachelor’s degree in Science in 2008 completed her masters in Geoinformatics 2012 and PhD in Geoinformatics (Hydrology) 2021. She has been awarded the University Gold Medal for securing first position in order of merit in Master’s program in Geoinformatics, School of Earth and Environmental Sciences, University of Kashmir. She was awarded the INSPIRE fellowship by Department of Science and Technology, GoI in 2013 to pursue PhD in Geoinformatics. Her main research interests are in using remote sensing and GIS in the field of Hydrology, Land use and Land cover change studies, Socioeconomics and future projections. Currently, I am working on understanding the past and future water budgeting in Jhelum basin using models under changing LULC, Climate and Demography. I am also interested in understanding the complex linkages between various physical and social parameters and simplifying them by using Remote sensing, GIS and field data.

**Educational Qualification:**

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| **Degree** | **Year of Passing** | **Institute** | **Marks obtained (%)** | **University/Board** |
| PhD | 2021 | Department of Geoinformatics | Awarded | University of Kashmir |
| M.Sc | 2012 | Department of Earth Sciences | 80.65 | University of Kashmir |
| B.Ed | 2010 | Department of Distance Education | 73.80 | University of Kashmir |
| PGDRS | 2009 | Department of Geology & Geophysics | 77.28 | University of Kashmir |
| B.Sc | 2008 | Govt. degree college for women, Anantnag | 58.05 | University of Kashmir |

**Certificate Courses:**

* Certificate Course in Remote Sensing, Geographical Information System and Global Positioning System conducted by Indian Institute of Remote sensing, Dehradun, India.
* AutoCAD from Directorate of Lifelong Learning, University of Kashmir, Srinagar, India.

**Research and Teaching Experience:**

* Worked as Project fellow in Department of Geoinformatics, University of Kashmir under the DST sponsored research project titled “**Enhancement of the quality of livelihood opportunities… Himalayas**” from 01st Jan 2019 to 31st Dec 2019.
* Worked as Project fellow in Department of Earth Sciences, University of Kashmir under the ISRO sponsored research project titled “**Assessing the Indicators of Desertification using SAR phase-II**” from 16th July 2012 to 31st May 2013
* Worked as **Guest Lecturer** in Department of Earth Sciences, University of Kashmir for Academic year 2013 and 2014 for PG level core and applied subjects in Geoinformatics.
* **Analyzing temporal and spatial changes in the Hokersar wetland using Geoinformatics** (1969-2005). Dissertation of PG diploma in Remote sensing and GIS in 2009.
* **Land use/land cover projections of Kashmir valley using CLUE Model.** Dissertation of Masters in Geoinformatics in 2012.
* **Past and Futuristic Water budgeting in Jhelum Basin**. PhD Thesis in 2021.

**Publications:**

* Romshoo, S.A., Dar, R.A., Rashid, I., Marazi, A., **Ali, N**. and Zaz, S.N., 2015. Implications of shrinking cryosphere under changing climate on the streamflows in the Lidder catchment in the Upper Indus Basin, India. Arctic, Antarctic, and Alpine Research, 47(4), pp.627-644.
* **Ali, N.** and Romshoo, S.A., 2015. Streamflow Changes of Ferozpur Watershed in the Upper Indus Basin, Kashmir Himalayas. Journal of Himalayan Ecology and Sustainable development.Vol.10.
* **Ali, N**. and Romshoo, S.A., 2016. Stream Flow Changes and Glacier Recession in the Upper Indus Basin. In Geostatistical and Geospatial Approaches for the Characterization of Natural Resources in the Environment (pp. 905-908). Springer International Publishing.
* Romshoo, S.A., Zaz, S.N., and **Ali, N.,** 2017. Recent Climate Variability in Kashmir Valley, India and its Impact on Streamflows of the Jhelum River. Journal of Research & Development, Vol. 17.

**Book Chapter:**

* **Nahida Ali** and Shakil A Romshoo (2015). Streamflow Changes and Glacier Recession in Upper Indus Basin. Geostatistical and Geospatial Approaches for the Characterization of Natural Resources in the Environment, Published by: Springer International Publishing. ISBN: 978-9381891-25-4.

**International/National Conference Articles**

* **Nahida Ali** and Shakil A. Romshoo (2017). Observed changes in the streamflows and cryosphere under the changing climate in Lidder Valley, Kashmir Himalaya, India. International Tropical Meteorology Symposium (**INTROMET-2017**) on Advancements in Space-based Earth Observations and Services for Weather and Climate, At SAC Ahamadabad, India. (**Best Poster Award**).
* **Nahida Ali** and Shakil A. Romshoo (2017).Hydrological, Land system and Socio-economic changes in Lidder watershed of Upper Indus Basin. “Two days National Inter-disciplinary Conference, SSD-2016” on the theme “Science for Sustainable Development”, Srinagar from 25th-26th February, 2017.(**Best Poster Award**).
* **Nahida Ali** and Shakil A Romshoo (2016).Hydrological, Land system and Socio-economic changes in Lidder watershed of Upper Indus Basin. SPIE Asia-Pacific Remote Sensing, New Delhi from 4-7 April, 2016.
* **Nahida Ali** and Shakil A Romshoo (2015).Analyzing Land system and Socioeconomic changes in Lidder Watershed. National Symposium on “Geomatics for Digital India” and Annual conventions of Indian Society of Geomatics & Indian Society of Remote Sending at JK Lakshmipat University from 16-18 December, Jaipur, Rajasthan,India.
* **Nahida Ali** and Shakil A Romshoo (2015). Hydrological, Land system and Socio-economic changes in Lidder watershed of Upper Indus Basin.11th JK Science Congress “Scientific, Social and Economic Dimensions of Climate change” from 12-14 October 2015. Srinagar, Jammu and Kashmir, India.
* **Nahida Ali** and Shakil A Romshoo (2014). Streamflow Changes and Glacier Recession in Upper Indus Basin.16th Annual Conference of International Association for Mathematical Geosciences (IAMG), New Delhi, October 17-20, 2014.
* **Nahida Ali** and Shakil A Romshoo (2013).Futuristic Land cover changes in Kashmir Valley using CLUE Model. 100th Indian Science Congress held at Calcutta University, Kolkata, India from 3-7 Jan., 2013 (ISCA, 2013 **Best paper Award**-Earth Science Section).
* **Nahida Ali** and Shakil A Romshoo (2012). Simulating futuristic Landcover scenarios in Jhelum basin using CLUE model.8thJK Science Congress “Scientific, Social and Economic Dimensions of Climate change” from 12-14 October 2015. Srinagar, Jammu and Kashmir, India
* **Nahida Ali** and Shakil A Romshoo (2012). Modelling the Landuse and landcover scenarios in Kashmir valley. National Symposium of the Indian Society of Geomatics on Disaster Management, Bhagalpur University, Bhagalpur, Patna Bihar India 22-24 February, 2012.
* **Nahida Ali,** Shakil A Romshoo and Irfan Rashid (2010). Geoinformatics for Characterizing and Understanding the Spatio-Temporal Dynamics (1969-2008) of Hokersar Wetland in Kashmir. 6th JK Science Congress on the theme “Science, Technology and Sustainable Development” from 29 Nov-1December, 2010, Srinagar, Jammu and Kashmir, India.

**Awards and Fellowships**

* **Gold Medal** for 1st Position in order of merit in M.Sc Geoinformatics (2012).
* DST Sponsored **INSPIRE** Fellowship for Pursuing PhD under AORC Scheme.
* **Best Paper Award** in 100th Indian Science Congress held at Calcutta University, Kolkata, India.
* **Best Poster Award in** Two days National Inter-disciplinary Conference, SSD-2016” on the theme “Science for Sustainable Development”, Srinagar from 25th-26th February,2017.

**Membership**

* Life member of Indian Society of Geoinformatics.
* Life member of Indian Science Congress
* Life member of Indian Meteorological Society