

## CURRICULUM VITAE

**Name:** Dr. Suhail Ahmad Lone  
**Parentage:** Mushtaq Ahmad Lone  
**Place of Birth:** Kashmir, India  
**Official Address:** Department of Earth Sciences,  
 University of Kashmir, Srinagar, J&K India. 190006.  
**E-mail:** geosuhail55@gmail.com/ geosuhail@uok.edu.in  
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**Current Position:** Assistant Professor



### Qualifications

| Degree/Award     | Year | Discipline/Field                                                       | Board/University      |
|------------------|------|------------------------------------------------------------------------|-----------------------|
| Ph.D.            | 2020 | Applied Geology                                                        | University of Kashmir |
| M.Sc.            | 2014 | Applied Geology<br>(Gold medalist)                                     | University of Kashmir |
| B.Sc.            | 2011 | English, Chemistry, Geology,<br>Geography<br>(Ist Division)            | University of Kashmir |
| 12 <sup>th</sup> | 2008 | English, Chemistry, Physics,<br>Botany, Zoology, Evs<br>(Ist Division) | JKBOSE                |
| 10 <sup>th</sup> | 2006 | English, Urdu, Math, Science,<br>Social Science (Ist Division)         | JKBOSE                |

<https://www.researchgate.net/profile/Suhail-Lone-2>

<https://scholar.google.com/citations?user=aSojZDUAAAAJ&hl=en>

Citations: 766, H-Index: 17, I 10 Index: 20

### Professional Experience

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- ✓ **06/October/2020 to 26/March/2021:** Guest Faculty, Department of Earth Sciences, University of Kashmir.
- ✓ **27/March 2021 to 25/May/2025:** Assistant Professor (Contractual) Department of Earth Sciences, University of Kashmir.
- ✓ **26/May/2025 till date:** Assistant Professor Department of Earth Sciences, University of Kashmir.

### **Research Intrests**

Mountain Hydrology, Hydrogeology, Hydrogeochemistry, Isotope Hydrology, Glacial Hydrology, Environmental Geochemistry, Cryosphere, Himalayan Ecohydrology, Critical Zone Science.

### **Ph.D Topic**

Hydrogeochemical and isotopic evidences of groundwater evolution and recharge in Indus basin Ladakh (J&K) india.

### **Awards/Honors**

- ✓ Travel grant to attend Glodschmidt conference-2025
- ✓ Travel grant to attend Glodschmidt conference-2024
- ✓ Travel grant to attend Ist Polar conference at ICIMOD, Kathmandu, Nepal
- ✓ INSPIRE Fellowship award (2015-2020) DST (Department of Science and Technology).
- ✓ Gold Medalist (Batch-2012).

### **Professional affiliations**

- ✓ [American Geophysical Union \(AGU: 1302403\)](#)
- ✓ [European Geoscience Union \(EGU: 666602\)](#)
- ✓ [International Association of Hydrologists \(IAH: 143438\)](#)

### **Organizing Committee Member**

- ✓ Earth Day -2025
- ✓ 7 Days National training programme
- ✓ 2 days workshop on climate change in UIB

## **Research Projects**

- ✓ Storage, Transport and Chemical Evolution of Infiltrating Waters in Critical Zone, Western Himalayas [Funded by Science and Engineering Research Board (SERB), Department of Science and Technology, Government of India, **Co-PI**].
- ✓ National Program on Soil Moisture Measurements to Modeling and Scaling [Funded by Ministry of Earth Sciences, Government of India, **Co-PI**].
- ✓ Impact of human interventions in high Himalayan head waters and modifying downstream surface and groundwater processes in Shyok catchment in Upper Indus Basin (UIB), India under present and future climate change scenarios [Submitted for funding to Ministry of Earth Sciences, Government of India, **Co-PI**]

## **Workshops/Training Programmes**

- ✓ Co-Chaired a technical session on, “**Emerging Disaster Risk in Himalaya: Hazards, Exposure, Vulnerability**” in a National Seminar on Disaster Risk Reduction in the Himalayas: Recent Advancements organized by Centre for the study of regional development, School of Social Sciences, JNU, New Dehli from 20-21 September 2024.
- ✓ Invited talk on “**Contrasting co-occurrence of Arsenic and Fluoride in Himalayan groundwater aquifers of Upper Indus River Basin**” during the 7 days National Training Programme organized by Department of Earth Sciences, University of Kashmir from August 28, 2023 to September 03, 2023.
- ✓ Two days National Workshop on Impact of climate change on water resources of Upper Indus River Basin. A UIBN Initiative. 1<sup>st</sup> and 2<sup>nd</sup> May 2023.
- ✓ 3-day National programme on Advances in Earth and Environmental Geoscience organized by Department of Geophysics Institute of Science Banaras Hindu University on 10 – 11 March 2022.
- ✓ 3-day International Ecohydrology symposium organized by IIT Roorkee on 28 Feb to 1st March 2022.

- ✓ 3-day National training programme on analytical chemistry conducted by Geological Society of India 18-20 February 2021.
- ✓ Week long training program on SWAT Modelling conducted by National Institute of Hydrology from 21 to 25 September 2020.
- ✓ Worked as a member in National programme on groundwater security of Indus basin (Ladakh) in present and future climate and land use scenario.
- ✓ Worked as a member in National programme of Spring Rejuvenation in District Pulwama South Kashmir.
- ✓ Attended a weeklong training programme on ICP-OES and ICP-MS at Indian Institute of Technology Kharagpur (IIT KGP).
- ✓ Carried out the multiple fieldworks across Ladakh Division regarding Geology, Hydrogeology from 2015 to 2020.
- ✓ Carried out the geological fieldwork for three weeks across Ladakh, 2017.
- ✓ Carried out master's thesis entitled, "mapping, the glacial geomorphological features of the West Liddar, NW- Himalayas" 2013-14.
- ✓ Carried out fieldwork for two weeks along greater Himalayan range for mapping the glacio-geomorphic features of Kolahoi glacial valley, 2013.
- ✓ Attended one-month fieldwork on Archean geology in and around Bangalore and Mysore city of Karnataka state, 2013.
- ✓ Attended a weeklong geological fieldwork in Kargil Himalayas Ladakh, 2012.
- ✓ Attended a weeklong geological fieldwork in Pahalgam, 2011.

### **Peer Reviewer**

- ✓ Journal of Geological Society of India (Publisher: Springer Nature)
- ✓ Journal of Earth System Sciences (Publisher: Springer Nature)
- ✓ Journal of Environmental Management (Publisher: Elsevier)
- ✓ Hydrological Science Journal (Publisher: Taylor and Francis)
- ✓ Frontiers in Water (Publisher: MDPI)

- ✓ Applied Water Science (Publisher: Springer Nature)
- ✓ Environmental Pollution (Publisher: Elsevier)
- ✓ Science of The Total Environment (Publisher: Elsevier)
- ✓ Water (Publisher: MDPI)
- ✓ Frontiers of Earth Sciences (Publisher: Frontier)
- ✓ Journal of sustainable water resource management (Publisher: Springer Nature)
- ✓ Journal of environmental monitoring and assessment (Publisher: Springer Nature)
- ✓ Scientific Reports (Publisher: Springer Nature)
- ✓ Journal of Earth System and Environment (Publisher: Springer Nature)

### **Publications (International/National)**

1. Jeelani, G., **Lone, S.A.**, Lone, A., Padhya, V., Deshpande, R.D., Lone, Altaf., Rozanski, K., 2025. Stable water isotopes in snow across the Kashmir Himalaya: constraints on hydrometeorological processes. [Climate Dynamics. 63\(6\), pp.1-20. IF: 3.8.](#)
2. Jeelani, G., **Lone, S.A.**, 2025. Origin and evolution of fluids and heatflow in geothermal systems of Indus River Basin (IRB), India. Nature Scientific Report. [63\(6\), pp.1-20. IF: 3.8.](#)
3. **Lone, S.A.**, Jeelani, G. and Mukherjee, A., 2024. Hydrogeochemical controls on contrasting co-occurrence of geogenic Arsenic (As) and Fluoride (F<sup>-</sup>) in complex aquifer system of Upper Indus Basin, (UIB) western Himalaya. [Environ. Res. p.119675. IF: 7.7.](#)
4. **Lone, S.A.**, and Jeelani, G., 2024. Importance of cryospheric reserves in sustaining streamflow of Himalayan mountainous catchments. Environmental Science Proceedings (MDPI). [doi.org/10.3390/ECWS-5-07903](https://doi.org/10.3390/ECWS-5-07903).
5. Bhat, Bilal A. and Jeelani, Ghulam and **Lone, S.A.**, and Deshpande, R.D., Water Isotopes in Mountainous Ecohydrological Pools: An Implication to Hydrological Routing and Transport. [dx.doi.org/10.2139/ssrn.4981187](https://dx.doi.org/10.2139/ssrn.4981187).

6. Iqbal, V., Parray, D.S., Islam, Z.U., **Lone, S.A.**, Balaji, S., Saleem, M., Shah, R.A. and Bhat, G.R., 2024. Geoelectrical and Hydrochemical Insights in Tracing the Seawater Intrusion Along Coastal Aquifers of the East Coast of South Andaman Island, India. [Earth Syst Environ. pp.1-23. IF. 5.3.](#)
7. Ayoub, I.B., Ara, S., **Lone, S.A.**, 2024. Geochemical characterization of Saffron growing soils of Kashmir Valley, western Himalaya (WH), India. [Earth Syst Environ. IF. pp.1-20. 5.3.](#)
8. Jeelani, G., Absar, A., Agnihotri, V., Ahmed, S., Alam, A., Azam, M.F., Bhat, M.S., Deshpande, R.D., Dimri, A.P., Jain S., Juyal N., **Lone, S.A.**, Mal S., Maharana P., Maurya A.S., Mukherjee, A., Muddu, S., Pottakkal, J., Romshoo, S.A., Sarin, M.M., Sain, K., Sharma, P., Shrestha, A.B., 2024. Policy framework to combat the challenges of climate change in the Upper Indus Basin. [Curr. Sci, Vol 127, Issue 6, p. 669. IF: 1.10](#)
9. Jeelani, G., Hassan, W., Padhya, V., Deshpande, R.D., Dimri, A.P. and **Lone, S.A.**, 2024. Significant role of permafrost in regional hydrology of the Upper Indus Basin, India. [Sci of Tot Environ, p.170863.IF.8.2.](#)
10. **Lone, S.A.**, Jeelani, G. and Mukherjee, A., 2024. Elevated fluoride levels in groundwater in the Himalayan aquifers of upper Indus basin, India: Sources, processes and health risk. [Groundw. Sustain. Dev, p.101096. IF.4.9.](#)
11. Lone, A., Jeelani, G., **Lone, S.A.**, Padhya, V., Deshpande, R.D. and Dimri, A.P., 2023. Spatial and meteorological controls of stable water isotope dynamics of precipitation in Kashmir Valley, Western Himalaya, India. [Isot. Environ. Health Stud, Vol. 59, No. 4-6, 454-475. IF.1.3.](#)
12. Lone, A., Jeelani, G., **Lone, S.A.**, Padhya, V., Deshpande, R.D. and Dimri, A.P., 2023. Physiographic and Meteorological Controls on Stable Water Isotopes of Precipitation in Western Himalaya, India. [http://dx.doi.org/10.2139/ssrn.4351024.](http://dx.doi.org/10.2139/ssrn.4351024)
13. Jeelani, G., **Lone, S.A.**, Lone, A., Padhya, V., Deshpande, R.D., 2023. Quantifying and Estimating the Moisture Source Dynamics of Precipitation in Western Himalaya, Using Stable Water Isotopes. [http://dx.doi.org/10.2139/ssrn.4351049.](http://dx.doi.org/10.2139/ssrn.4351049)

14. Lone, S.A., Jeelani, G., Deshpande, R.D., M. Sultan Bhat, Virendra Padhya., 2023. Assessing the hydrological controls on spatio-temporal patterns of streamwater in glacierized mountainous Upper Indus River Basin (UIRB), western Himalayas. [J Hydrol. 619: p 154964. IF: 5.9.](#)
15. Lone, S.A., Jeelani, G., Virendra, P., Deshpande, R.D., 2022. Identifying and estimating the sources of river flow in the cold arid desert environment of Upper Indus River Basin (UIRB), western Himalayas. [Sci of Tot Environ. 832: p 154964. IF.8.2.](#)
16. Jeelani, G., Lone, S.A., Lone, A., 2021. Groundwater resource protection and spring rejuvenation in upper Jhelum basin (UJB), western Himalayas [Groundw. Sustain. Dev.15: IF. 4.9. p 100685.](#)
17. Jeelani, G., Lone, S.A., Nisa, A.U., Deshpande, R.D. and Padhya, V., 2021. Use of stable water isotopes to identify and estimate the sources of groundwater recharge in an alluvial aquifer of Upper Jhelum Basin (UJB), western Himalayas. [HYDROLOG SCI J, 66\(16\), pp.2330-2339. IF: 3.94.](#)
18. Lone, S.A., Jeelani, G., Mukherjee, A., and Coomar, P., 2021. Arsenic fate in upper Indus river basin (UIRB) aquifers: Controls of hydrochemical processes, provenances and water-aquifer matrix interaction. [Sci of Tot Environ. 795: p 148734. IF.8.2.](#)
19. Lone, S.A., Jeelani, G., Deshpande, R.D., Mukherjee, A., Scott, J., Lone, A., 2021. Meltwaters dominate groundwater recharge in Upper Indus River Basin, western Himalayas. [Sci of Tot Environ. 786: p 147514. IF.8.2.](#)
20. Jeelani, G., Wasim, H., Saleem, M., Sahu, Pandit, G.G., S.K., Lone, S.A., 2021. Gamma dose monitoring to assess the excess lifetime cancer risk in western Himalaya. [Radioanal. Nucl. Chem. 328\(1\), pp.245-258 IF.1.75.](#)
21. S. Mal, A.P. Dimri, G. Jeelani, S.K. Allen, C.A. Scott, M. K. Arora, A. Banerjee., Lone, S.A., 2021. Determining the quasi monsoon front in the Indian Himalayas. [Quat. Int. \(2021\) 14:187. IF: 2.45.](#)
22. Shah, R.A., Hema., Krishnan, H., A., Lone, A., Saju, S., Ali, A., Lone S.A., and Malik. S., Dash, C., 2021. Heavy metal concentration and ecological risk assessment in surface



- sediments of Dal Lake, Kashmir Valley, Western Himalaya. [Arab. J. Geosci. \(2021\) 14:187 IF:1.82.](#)
23. Lone, S. A and Jeelani, G., 2020. Stable water isotopic evidence for the moisture source and composition of surface runoff in Ladakh, upper Indus river basin (UIRB). Environmental Science Proceedings (MDPI). [doi.org/10.3390/ECWS-5-07903.](#)
  24. Jeelani, G., Lone, S.A., Nissa, A., and Mukherjee, A., Deshpande, R.D., 2020. Sources and processes of groundwater arsenic mobilization in upper Jhelum basin, Western Himalayas. [J Hydrol. 591:125292. IF: 5.9.](#)
  25. Shah, R.A., 1, Hema., Lone, A., Lone S.A., and Malik. S., 2020. Environmental Risk Assessment of Lake Surface Sediments Using Trace Elements: A Case Study of Wular Lake. [J. Geol. Soc. India. Vol-95. IF: 1.46.](#)
  26. Lone, S.A., Jeelani, G., Mukherjee, A., and Coomar, P., 2020. Geogenic groundwater arsenic in high altitude bedrock aquifers of upper Indus river basin (UIRB) Higher Himalayas. [Appl. Geochem. 113:104497. IF: 3.1.](#)
  27. Jeelani, G., Lone, S.A., 2020. Application of stable water isotopes in karst hydrogeology in snow and glacierized catchments of Kashmir Himalayas, India: a review. [IANCAS Bulletin. Vol XV. No.2, 58-66, 2020.](#)
  28. Lone, S.A., Jeelani, G., Deshpande, R.D. and Mukherjee, A., 2019. Stable isotope ( $\delta^{18}\text{O}$  and  $\delta\text{D}$ ) dynamics of precipitation in a high altitude Himalayan cold desert and its surroundings in Indus river basin, Ladakh. [Atmos. Res .221; 46-57. IF: 4.5.](#)
  29. Shah, R.A., and Lone, S.A., 2019. Hydrogeomorphological mapping using geospatial techniques for assessing the groundwater potential of Rambiarra river basin, western Himalayas. [Appl. Water Sci, 9\(3\), p.64. IF: 5.7.](#)
  30. Jeelani, G. and Lone, S.A., 2019. Establishing the effect of aridity on the stable isotopes (O and D) of precipitation in cold desert, Ladakh. [Int. J. Water Res. & Arid Environ, 8, p161-168.](#)
  31. Lone, S.A., Amrin U.N., Lone, A., 2017. Characterization of Groundwater Potential of Sindh Watershed Western Himalayas (J&K). [Int J Environ Sci Nat Res. 01, 03. IF: 2.03.](#)



32. Lone, S.A., Jeelani, G., Deshpande, R.D., Shah. R.A., 2017. Evaluating the sensitivity of glacier to climate by using stable water isotopes and remote sensing. [Environ. Earth Sci. 76, 598. P 1-9. IF: 2.8.](#)
33. Lone, S.A., Lone, A. A, Jeelani, G., 2016. Characterization of Groundwater Potential of Sindh Watershed Western Himalayas. [J.Res & Devel, Vol. 16 \(2016\) ISSN 0972-5407.](#)
34. Lone, S.A., Lone, A., Paul, O., Omar, K., 2016. Extracting the Glacial - Geomorphological Landforms in West Liddar (NW) Himalayas Kashmir India. [J.Geogr Nat Disast 6: 179. IF: 0.80.](#)
35. Lone, S.A., 2016. Mapping the Glacial-Geomorphological Landforms in East Liddar Valley, NW Himalaya Kashmir India. [J Geogr Nat Disast S6: 004. IF: 0.80.](#)
36. Jaan, O., Lone, S.A., Malik, R., Lone, A., Mir, W., Nissa, A., 2015. Morphotectonic and Morphometric analysis of Vishav Basin left bank Tributary of Jhelum River SW Kashmir Valley India. [Int. j. econ. Environ. Geol. Vol: 6\(2\) 17-26, 2015.](#)

### **Book Chapters**

1. Lone, K.A., Bhat S.A., Lone, S.A., Bhat, M.S., Jeelani, G. 2025. Imminent threat to water resources of the Indus Basin under changing climate. [Accepted in Press](#)
2. Lone, S.A., Jeelani, G., 2024. Sensitivity of cryosphere to climate change in western Himalaya: A study from Dras Basin. In: Pal, SC., Roy, S., SAHA, A., Abioui, M. (eds) Water Resources Monitoring, Management and Sustainability. Elsevier. [https://doi.org/10.1007/978-3-031-44397-8\\_25.](https://doi.org/10.1007/978-3-031-44397-8_25)
3. Ayoub, I.B., Ara, S., Lone, S.A. (2024). Evaluating the Sensitivity of Saffron Yield to Climate Change in Western Himalaya, India. A Study from Kashmir Valley. In: Mukhopadhyay, U., Bhattacharya, S., Chouhan, P., Paul, S., Chowdhury, I.R., Chatterjee, U. (eds) Climate Crisis, Social Responses and Sustainability. Climate Change Management. Springer, Cham. [https://doi.org/10.1007/978-3-031-58261-5\\_7.](https://doi.org/10.1007/978-3-031-58261-5_7)

4. **Lone, S.A.,** Jeelani, G., 2024. Evaluating the Potential Impact of Climate Change on Glacier Dynamics in Western Himalayas, India. In: Chatterjee, U., Shaw, R., Kumar, S., Raj, A.D., Das, S. (eds) Climate Crisis: Adaptive Approaches and Sustainability. Sustainable Development Goals Series. Springer, Cham. [https://doi.org/10.1007/978-3-031-44397-8\\_25](https://doi.org/10.1007/978-3-031-44397-8_25).
5. **Lone, S.A.,** Jeelani, G., 2023. Hydrogeomorphological Mapping of Groundwater Potential Zones Using Multi-influence Factor (MIF) and GIS Techniques: A Case Study of Vishav Watershed, Western Himalayas. Emerging Technologies for Water Supply, Conservation and Management. [https://doi.org/10.1007/978-3-031-35279-9\\_9](https://doi.org/10.1007/978-3-031-35279-9_9).
6. **Lone, S.A.,** Jeelani, G., 2023. Spatio-temporal dynamics of groundwater recharge in Dras sub-basin of Upper Indus River Basin (UIRB), western Himalayas. In: P. Thambidurai (Editor), Anil Kumar Dikshit (eds) Impacts of Urbanization on Hydrological Systems in India. Springer, Cham. <https://doi.org/10.1007/978-3-031-21618-3>.
7. **Lone, S.A.,** Jeelani, G., Alam, A., Bhat, M.S. and Farooq, H., 2022. Effect of Changing Climate on the Water Resources of Upper Jhelum Basin (UJB), India. In Riverine Systems (pp. 133-148). Springer, Cham. <https://doi.org/10.1007/978-3-030-87067-6>.
8. **Lone, S.A.,** Jeelani, G., 2022. Appraising the Groundwater Potential of Liddar Sub-Basin (Western Himalayas) Using Geospatial Techniques. In: Panneerselvam, B., Pande, C.B., Muniraj, K., Balasubramanian, A., Ravichandran, N. (eds) Climate Change Impact on Groundwater Resources. Springer, Cham. <https://doi.org/10.1007/978-3-031-04707-7>.

### **Conferences/Workshops (International/National)**

1. **Lone, S.A.,** and Jeelani, G., 2025: Isotope derived snowmelt routing in mountainous basins of western Himalaya, India, [International Mountain Conference 2025-IMC25, Innsbruck, Austria, Sep 14 - 18 2025](#).

2. **Lone, S.A.,** Jeelani, G., 2025. Arsenic contamination in the Upper Indus Basin (UIB), India: Insights into geothermal and freshwater Interactions. [Goldschmidt 2025 Conference, Prague, July 6-11 2025.](#)
3. **Lone, S.A.,** Jeelani, G., 2024. Impact of changing climate on cryospheric cover in Upper Indus River Basin, Western Himalaya. [AGU Fall Washington, D.C., from 9-13 December 2024.](#)
4. **Lone, S.A.,** Jeelani, G., 2024. Geogenic groundwater arsenic (As) in geothermal system of Indus River Basin (IRB), India: Role in contamination of freshwater resources. [Washington, D.C., from 9-13 December 2024.](#)
5. Coomar, P., Upadhyay, D., Ranjan, S., Chandra, J., **Lone, S.A.,** Jeelani, G., Gupta, S. and Mukherjee, A., Tracing groundwater solute provenance in the upper Indus River basin aquifers, of India: insights from 87 Sr/86 Sr systematics. [Washington, D.C., from 9-13 December 2024.](#)
6. **Lone, S.A.,** Jeelani, G., 2024. Long-term glacier dynamics and future risks of glacial lake outburst in Upper Indus Basin western Himalaya, India. 20-21 September 2024, organized by the Centre for the Study of Regional Development, Jawaharlal Nehru University, New Delhi. [National Seminar on Disaster Risk Reduction in the Himalayas: Recent Advancements.](#)
7. **Lone, S.A.,** Jeelani, G. and Bhat, M.S., 2024, August. Geomorphological controls on geogenic Arsenic (As) release in groundwater aquifers of Upper Indus River Basin (UIRB), Western Himalaya. [In 2024 Goldschmidt Conference.](#)
8. **Lone, S.A.,** Jeelani, G., 2024. Significance of cryospheric waters in recharging complex Himalayan bedrock aquifers. [WaterSciCon 2024, 24-27 June in Saint Paul, MN.](#)
9. Coomar, P., **Lone, S.A.,** Jeelani, G., Gupta, S. and Mukherjee, A., 2024. Geological controls on groundwater chemistry in the Himalayan Indus River basin aquifers, India (No. EGU24-13828). [Copernicus Meetings.](#)

10. Lone, S.A., Jeelani, G., 2023. Meltwater dominance in groundwater of Himalayan aquifers of Upper Indus Basin, UIB western Himalaya. [AGU Fall Meeting San Francisco, CA 11 - 15 December 2023.](#)
11. Lone, S.A., Jeelani, G., 2023. Elevated groundwater Fluoride (F<sup>-</sup>) and health risk assessment in Upper Indus River Basin, (UIRB) western Himalaya. [AGU Fall Meeting San Francisco, CA 11 - 15 December 2023.](#)
12. Lone, S.A., Jeelani, G., 2023. Basin-wise dependence of streamflow on meltwater in Upper Indus Basin, western Himalayas. [Inter-Polar Conference: Connecting the Arctic with the Third Pole 6-9 September 2023.](#)
13. Lone, S.A., Jeelani, Gh., 2022. Cryospheric nectar dominates stream water flow in arid-climate environment of Upper Indus River Basin (UIRB), western Himalayas. [AGU Fall Meeting Chicago 12 - 16 December 2022.](#)
14. Lone, S.A., Jeelani, Gh., 2022. Estimating the dominance of source water to groundwater recharge in arid-climate environment of Upper Indus River Basin (UIRB), western Himalayas. [AGU Fall Meeting Chicago 12 - 16 December 2022.](#)
15. Lone, S.A., Jeelani, Gh., 2022. Quantifying the dominance of source waters to river flow in high altitude arid climatic environment of Upper Indus River Basin (UIRB), western Himalayas. [Frontiers in Hydrology. 19-24 June. SAN JUAN, PUERTO RICO, AGU Meeting 2022.](#)
16. Lone, S.A., Jeelani, Gh., 2022. Assessing the hydrological processes controlling spatio-temporal patterns of snowmelt in high altitude arid-climatic environment of Upper Indus River Basin (UIRB), India. [Frontiers in Hydrology. 19-24 June. SAN JUAN, PUERTO RICO, AGU Meeting 2022.](#)
17. Coomar, P., Lone, S.A., Jeelani, G., Gupta, S., and Mukherjee, A., 2022. Arsenic geochemistry in high altitude Himalayan aquifers of Ladakh, India: source, processes and controls. Goldschmidt 2022. [https://doi.org/10.46427/gold2022.9978.](https://doi.org/10.46427/gold2022.9978)
18. Lone, S.A., Jeelani, Gh., 2022. The stable water isotope ( $\delta^{18}\text{O}$  and  $\delta^2\text{H}$ ) evolution of snow and glacier melt across Ladakh (UIRB) northwestern Himalaya India. [\(sciencesconf.org: snowhydro2022:373028\).](#)

19. Lone, S.A., Jeelani, Gh., 2020. Stable water isotopic evidence for the moisture source and composition of surface runoff in Ladakh, upper Indus river basin (UIRB), [doi:10.3390/ECWS-5-07903](https://doi.org/10.3390/ECWS-5-07903).
20. Lone, S.A., Jeelani, G., 2018. Stable isotope ( $\delta^{18}\text{O}$  and  $^2\text{H}$ ) variation in precipitation and their relationship with meteorological conditions in upper Indus basin, Ladakh. [\*13<sup>th</sup> JKscience congress 2018. ISBN. 978-93-5291-653-5.\*](#)
21. Lone, S.A., Jeelani, G., Nissa, A., 2017. Characteristics of oxygen-18 and deuterium composition in waters from the alluvial basin of Kashmir, western Himalayas. [\*7<sup>th</sup> International groundwater conference 2017. ISBN.978-93-81891-42-1.\*](#)
22. Lone, S.A., Jeelani, G., 2017. Appraising Recent Glacier Changes in Western Himalaya, India Using Stable Isotopes ( $\delta^{18}\text{O}$  and  $\delta^2\text{H}$ ) and Remote Sensing. [\*3-day National workshop on Disaster resilience of Kashmir in face of climate change. ISBN.978-93-5288-706-4.\*](#)
23. Nissa, A., Lone, S.A., Jeelani, G., 2017. Isotopes ( $\delta^{18}\text{O}$  and  $\delta\text{D}$ ) in precipitation and groundwater in the alluvial basin of Kashmir western Himalayas. [\*International symposium on sustainable urban environment \(Issue 2017\).\*](#)
24. Lone, S.A., Jeelani, G., Deshpande, R.D., Shah. R.A., 2017. An assessment to evaluate the effects of climate change on glaciers using stable water isotopes and remote sensing. [\*International symposium on sustainable urban environment \(Issue 2017\).\*](#)