

# Dr. Mohammad Mulhim

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## Objective

Looking for a teaching position in the organisation with a view to use my experience that I have gained during my academics for the benefit of the organization.

## Research Interest

Hydrogeology, Remote sensing & GIS, Environment geology

## Education

Doctorate| 2020 | Aligarh Muslim University

- Title: Eco-hydrological characteristic of few watershed along the transect of Alaknanda basin, Garhwal Himalaya, India
- Supervisor: Professor Sarfaraz Ahmad, <https://www.amu.ac.in/faculty/geology/sarfaraz-ahmad-6>

MSc (Applied Geology)| 2014 | Aligarh Muslim University

- Percentage: 73.25

BSc (Hons.)|2012| Aligarh Muslim University

- Percentage: 69.46

Intermediate|2007| CBSE

- Percentage: 62.80

High school|2005| CBSE

- Percentage: 66.80

## Research Publications

- Sedimentological and mineralogical characteristics of active glacial sediments in the Indian Himalaya regions. Geology, ecology, and landscapes (2020). Ahmad S. Ansari. Z, **Mulhim. M.**
- Hydrochemical evolution and quality assessments of streams water in Alaknanda basin, Garhwal Himalaya, India. Desalination and Water Treatment.185 (2020) 384–394. **Mulhim. M** and Ahmad S.
- Characteristic of the morphometric parameters and landcover interaction under climate change scenario in Ganga headwater, Garhwal Himalaya, India: A remote sensing and GIS approach. Disaster advances vol.12 (12) Dec19. Ahmad. S and **Mulhim M.**
- Temporal change of glaciers area and geomorphometric parameters in Parbati valley, Himachal Pradesh, India Environmental Earth Science (2017) Vol.76:407,DOI 10.1007/s12665-017-6716-4 ,Sarfaraz Ahmad, Khatib Khan, Nepal Singh, Zabiullah Ansari, **Md.Mulhim**

- Measuring thickness and area change using old DEM, SRTM DEM and Landsat image of Parbati and Pin glaciers in Himalaya Pradesh, India, International Journal of Geoinformatics vol.13, No.1, March, 2017, Sarfaraz Ahmad, Nepal Singh, Khatib Khan, Zabiullah Ansari, **Md. Mulhim**

## Conference /Seminar

- Topographical influence of stream water acidity in Central Himalaya Uttarakhand, India, International Conference on Remote Sensing and GIS for application in Geoscience AMU, Aligarh- Aug. 2017.
- Hydrochemical evolution and quality assessments of streams water in Alaknanda basin, Garhwal Himalaya, India in International Conference on Global Water Crisis: Agriculture and Food Security in the Era of Climate Change at Geography department, AMU, Aligarh Dec. 2018.
- Sedimentological & Mineralogical characteristic of the streambed sediments in Ganga Headwater, Garhwal Himalaya, India. International conference on recent advances in engineering & Science, University polytechnic AMU, Aligarh- Jan. 2020.

## Training/Courses

- Successfully completed one week training program on “SWAT MODELING” organized by National Institute of Hydrology Roorkee, India on Sept. 2020 with Certificate No. NIH/WRSD/Training/2020/T-2.
- Successfully completed one week training program on “Data Processing for Water Quality” organized by National Institute of Hydrology Roorkee, India on Oct. 2020 with certificate No.: NIH/EHD/Training/2020/T-1
- Successfully completed one week Training course on “Sustainable Development and Management of Ground Water Resource” at AMU, Aligarh from 14-18 March 2016.
- Successfully completed 1 week workshop on “Water quality regulations and modeling approaches” at G.B.Pant University of Agricultural and Technology, Pantnagar from 04-08 Sept. 2018.
- Successfully Completed Off-campus outreach certificate program on basic course “Remote Sensing, Geographical Information System and Global Navigation Satellite System” at AMU, Aligarh from 05 Aug.-12 Nov. 2013.
- Successfully completed 1-week workshop on Statistics & optimization techniques using software packages, organized by department of statistics & operations research, AMU, Aligarh from 26-31 March 2018.
- Attended Webinar on Geochemistry and its Applications in Environmental Studies organised by the Department of Geology, V.O.Chidambaram College on 15.05.2020.
- Two Day Online Short Term Course on Disaster Management and its Mitigation organized by Department of Civil Engineering, Aligarh Muslim University, Aligarh on 20th - 21st May, 2020, under

## Expertise

- Research field in the Himalayan terrain like Alaknanda and Bhagirathi river basin (Garhwal Himalaya, India).
- Research field in Indo-Gangetic plain Mathura and Aligarh (Uttar Pradesh, India)
- Hydrochemistry (Surface and Groundwater analysis)
- Hydrogeology
- Remote sensing, GIS
- Arc-GIS, Surfer

## References

- **Dr. Sarfaraz Ahmad**  
Professor, Department of geology Aligarh Muslim University, Aligarh  
Email id: [Sarf71@gmail.com](mailto:Sarf71@gmail.com)
- **Dr. Tariq Siddique**  
Assistant Professor, Department of geology Aligarh Muslim University, Aligarh  
Email id: [tariqsiddiqueiitr@gmail.com](mailto:tariqsiddiqueiitr@gmail.com)
- **Dr. Salman Ahmed**  
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