

Curriculum Vitae

SACHIN KUMAR THAKUR

CONTACT INFORMATION

Present Address:

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PERSONAL INFORMATION

Nationality: Indian
Date of Birth: 20 August 1993
Gender: Male

Marital Status: Married
Language Known:
English, Hindi

EDUCATION

Indian Institute of Technology Indore, India [Aug 2021 - Mar 2023]

Ph.D. Scholar, Department of Civil Engineering,
• Advisor: Prof. Mohd. Farooq Azam

Indian Institute of Technology Bombay, India [July 2016 - June 2018]

M.Tech., Geoexploration (Department of Earth Sciences)

- Subjects : *Geology (Groundwater Exploration, Mineral Exploration...)*
- Thesis : *Petrological & Metamorphic evolution of mafic and pelitic rocks in the Khammam schist belt*
- First class

University of Delhi, India [2011- 2016]

Integrated B.Sc. (Hons.) Geology _ M.Sc. Geology (Hansraj College)

- Subjects : *Geology (Petrology, Hydrogeology, Geomorphology...)*
 - Thesis : *Characterization of subsurface sediments in Yamuna flood plain, Delhi*
 - First class
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AWARDS AND SCHOLARSHIPS

- Qualified Joint **CSIR _UGC NET (National Eligibility Test)** for Lectureship and Junior Research Fellowship, **AIR-25** [Dec 2019]
 - Qualified GATE (Graduate Aptitude Test in Engineering) exam, **AIR-276** [2020]
 - University Rank **3rd** in M.Sc. Integrated Earth Sciences in 5th year [2015]
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WORK EXPERIENCE

- Head Academic Implementation, K12 Techno Services Private Ltd., Mumbai [2018 - 2019]
 - Summer Intern at Physical Research Laboratory, Ahmedabad, Gujarat [May 2015- July 2015]
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RESEARCH INTERESTS

Hydrogeology, Glaciers, Permafrost, Cryosphere related hazards
Presently passionate about Himalayan cryosphere and combines field measurements with computational modelling to understand linkages between climate change, cryosphere, and hazard dynamics in high mountain areas.

PUBLICATIONS

1. Tectonothermal evolution of a collisional orogen in the Khammam region, southeastern India: insights from structures, phase equilibria modeling and U Th (total) Pb monazite geochronology. (DOI) [2020]
 2. Concentration of fluoride in groundwater of India: A systematic review, meta-analysis, and risk assessment. (DOI) [2019]
 3. Hydrogeological characterization of Aquifer in Palla floodplain of Delhi using integrated approach. (DOI) [2017]
 4. Worldwide contamination of water by Fluoride. (DOI) [2016]
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WORKSHOP AND FIELD VISITS

1. Participated in International training workshop on "**Analyzing permafrost in the Hindu Kush Himalaya using open access tools**" organized by **ICIMOD**, Kathmandu University, Nepal [2020]
2. Expeditions to Chhota Shigri Glacier and Chandra Tal (Lake), Western Himalaya, India [June, Sept 2022]

SKILLS

1. Computer Programming:
 - GIS/RS: QGIS, ArcGIS
 - Simulation Models: GEOtop (v 2.0.0)
 - Programming: Basic understanding of R software

 2. Field Skills:
 - Surveying with DGPS
 - Stake networking for glaciers mass balance
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