



Dr. Imran Khan

Lecturer (Contractual)
Department of Geography and Disaster
Management, University of Kashmir,
Srinagar, J&K, India

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Srinagar, J&K, India, 190015.

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FIELD OF RESEARCH INTEREST

- Glacial and Paleoclimatic Studies
- Natural Resource Management

Citations	h-index	i10-index
273	8	8

<https://scholar.google.com/citations?user=sUZj0YoAAAJ&hl=en>

<https://www.researchgate.net/profile/Imran-Khan-130>

CAREER SKILL

- Remote Sensing & GIS
- Advanced Surveying
- GPS
- P.G Dissertation Supervision

LANGUAGE SKILL

- ❖ English
- ❖ Hindi
- ❖ Urdu
- ❖ Kashmiri

Summary

- ❖ Experienced Lecturer with over 10 years of Teaching and Research Experience
- ❖ Passionate about teaching, research and working with students and faculty members.
- ❖ Dedicated to student success and Institutional Excellence.

Educational Qualification: Ph.D. Geology

Course	Year	University/Board
Ph.D.	2013	Aligarh Muslim University, Aligarh, Uttar Pradesh, India.
M.Sc.	2007	University of Kashmir, Srinagar. J & K India.
B.Sc.	2005	University of Kashmir, Srinagar. J & K India.
XII	2001	J&K BOSE
X	1999	J&K BOSE

Ph.D. Research Problem

Impact of Coal Mining on Land Use/Land Cover in Singrauli Industrial Belt, Central India, Using Remote Sensing and GIS

Teaching Experience

- Lecturer (Contractual) at Government Degree College, Sopore, J&K, India (**May 01, 2020 to December 31, 2020**) at Department of Geology.
- Teaching Remote Sensing and GIS in PG Diploma in Remote Sensing & GIS (**session 2016-2017**) at Department of Geology, University of Lucknow.
- Assistant Professor (Contractual) at Government Amar Singh College, Srinagar (**May 2013 to February 2014**) teaching Remote Sensing and GIS at P.G. Department of Geography.
- Guest faculty at Mangalayatan University U.P. teaching Geology to B. Tech Civil Students (**February 1, 2013 to April 6, 2013**).

Research Experience

- **Dr. D. S. KOTHARI POST DOCTORAL FELLOW** at Centre of advanced Study in Geology, University of Lucknow, **01 May, 2017 to 30 April, 2020** entitled "Palaeoglacial Reconstruction and Chronology of glaciations in Parvati valley, Central Himalaya".
- **Research Associate** in D.S.T sponsored project entitled "Chronology of Glaciation and Palaeoclimatic Reconstruction in Triloknath Glacier Valley, Lahul Himalaya". At Centre of advanced Study in Geology, University of Lucknow, Lucknow (226007). **From 16th May 2014 to April 30, 2017.**

Current Position

Contractual Lecturer, Department of Geography and Disaster Management, University of Kashmir, Srinagar J & K, India

Courses Teaching

- Remote sensing, GIS and GPS-II (Practical)
- Rehabilitation, Reconstruction and Recovery
- Waste and Debris management
- Disaster Risk Reduction and Developmental Planning
- Disaster Economics
- Psychosocial Care in Disaster Management

Post-Graduation Dissertations Supervised/Under Supervision

- ❖ **Ashiq Hussain Bhat (2023)**. Impact assessment and mitigation measures for flash floods, A case study of choglamsar, District Leh, Ladhak.
- ❖ **Waqar Ahmed (2023)**. Flash flood impact assessment and increasing Vulnerability of the community to future Disaster.
- ❖ **Farhana Tariq (2024)**. Assessing The Impact of Achan Syedpora Municipal Landfill Site on The Residential Environment and Public Health.
- ❖ **Mushtaq (2024)**. Multi Hazard Analysis of Private Coaching Institutes, Enhancing Resilience and Preparedness in Pulwama Town.
- ❖ **Mehak Wani (2024)**. Fire Safety Audit of Healthcare Infrastructure in Tehsil Charar-I-Sharief of District Budgam, J&K.
- ❖ **Sabreena Farooq**. Flood Damage Assessment of District Kupwara, Using Dala Method. **Currently working**
- ❖ **Sheikh Showkat**. Monitoring Land Use/Land Cover Change and Its Impact on Hazard Vulnerability at Gurez Valley, Bandipora, J&K, India. **Currently working**

Professional Skills - Remote Sensing and GIS

- ❖ Geospatial data analysis and databases generation, Digital image processing, Image Interpretation techniques.

- ❖ Land use/land cover mapping, Change detection analysis.
- ❖ Watershed analysis and mapping.
- ❖ Quaternary climatic reconstruction using multiproxy data analysis.
- ❖ Mapping Glacier Valleys and different glacio-geomorphic features using Remote Sensing and GIS. Snout monitoring in terms of recession/advancement
- ❖ Surveying of geomorphic features using total station and GPS.
- ❖ Assess the Vulnerabilities and future risk exposure using physical and social factors with integration of geospatial tools.

Technical Knowledge

- | | |
|---------------|--------------------|
| ❖ ERDAS 15 | ❖ SAGA |
| ❖ ARCGIS 10.5 | ❖ ENVI 4.7 |
| ❖ ARCGIS PRO | ❖ CORAL DRAW |
| ❖ QGIS 2.8.2 | ❖ GOOGLE EARTH PRO |

Professional Capacity Development

- ❖ Participated in Training on Geogenic contamination in Central Gangetic Plain from 31/12/2018 to 5/01/2019 at G.S.I Lucknow.
- ❖ Participated in Workshop on Geochronology held during November 16 – 17 2017 at IUAC, New Delhi.
- ❖ 1 month field training course in Glaciology from 4th August to 7th September 2014, Organized by Geological Survey of India funded by D.S.T New Delhi India.
- ❖ 10 days training programme in Digital image processing and Global positioning system organized by Department of Geology A.M.U, Aligarh from 3rd February to 12th February, 2014.
- ❖ 5 days course in “INTRODUCTION TO ARC GIS 2010” organized by NIIT GIS Ltd Delhi, 26 – 31 December, 2011.
- ❖ 3 days course in “Digital terrain modeling and its application” organized by the Centre for Promotion of Science, July 27 – 31, 2009 A.M.U, Aligarh.
- ❖ 5 days training course in “Estimation of Ground water parameters” held at NGRI Hyderabad from 1st – 5th, November 2006.

LIST OF RESEARCH PUBLICATIONS - 14

1. Akram Javed and **Imran Khan (2012)**. “Land use/Land cover Change due to Mining Activities in Singrauli Industrial Belt, (MP) Using Remote Sensing and GIS”. Journal of Environmental Research and Development, 6(3A), Jan-March 2012, pp 834 – 842.
2. **Imran Khan** and Akram Javed (2012). Spatio-Temporal Land cover Dynamics in Open Cast Coal Mine Area of Singrauli, M.P, India. Journal of Geographic information System (Vol.4. No.6) 521- 529.
3. **Imran Khan**, Akram Javed and Shadab Khurshid (2013). Physico-chemical Analysis of Surface and Ground water around Singrauli Coal Field, District Singrauli, Madhaya Pradesh, India. Environmental Earth Science (68:1849–1861).
4. Mohd Yousuf Khanday, **Imran Khan** and Akram Javed (2015). “Implementation Of Watershed Management Programmes in Kanera Watershed, A Case Study Using Remote Sensing And GIS”. International Journal of Geology and Earth science (Vol.1. No. 1) 1-13.
5. **Imran Khan**, Sayema Jamal, Bilal Ahmad Bhat, Akram Javed and Taqveem Ali Khan (2015). “Groundwater degradation and its health effects due to minor element concentration. A case study of Singrauli Industrial area, Madhaya Pradesh”. International Journal of Geology and Earth science (Vol.1. No. 2) 29-38.
6. Mohd Yousuf Khanday, **Imran Khan** and Akram Javed (2016). “Watershed Management Programmes on land use/land cover dynamics in semi-arid watershed central India”. Arabian Journal of geosciences. 9:458 DOI 10.1007/s12517-016-2478-7.
7. Rameshwar Bali, M.S. Chauhan, Amit K Mishra, S. Nawaz Ali, Ajay Tomar and **Imran Khan (2016)**. “Vegetation and climatic changes in the temperate belt of Himachal Pradesh since 6300 cal. Years BP, inferred from pollen evidence of Triloknath palaeolacustrine deposit”. Quaternary International. 444, 11- 23. <http://dx.doi.org/10.1016/j.quaint.2016.07.057>.
8. Rameshwar Bali, **Imran Khan**, S. J. Sangode, Amit K Mishra, S Nawaz Ali, Dhruv Sen Singh and Purnima Srivastava (2017). “Mid- to late Holocene climate response from the Triloknath palaeolake, Lahaul Himalaya based on multiproxy data”. Geomorphology. 284. 206 – 219.

9. K. K. Agarwal, R. A. Shah, H. Achyuthan, D. S. Singh, S. Srivastava, and **Imran Khan (2018)**. Neotectonic Activity from Karewa Sediments, Kashmir Himalaya, India. *Journal of Geotectonics*. Volume 52, Issue 1, pp 88–99.
10. Dharendra Kumar, Dhruv Sen Singh, Shailendra Kumar Prajapati, **Imran Khan**, Pawan Kumar Gautam, Balkrishna Vishwakarma (2018). “Analysis of the Morphometric parameters and neotectonics of Kalyani River Basin, Ganga Plain, A Remote Sensing and GIS Approach”. *Journal Geological Society of India*. Volume 91, Issue 6, pp 679.
11. Hamidullaha Wani, Bilal Ahmad Sunu, Meenal Mishra and **Imran Khan (2020)**. Glacial vis-à-vis tectono-provenance signals of the Plio-Pleistocene sediments of the intermontane Kashmir basin, northwestern Himalaya: Evidence from quartz micro-textures and a till deposit. *Quaternary International*. <https://doi.org/10.1016/j.quaint.2020.10.036>.
12. **Imran Khan**, Rameshwar Bali, K.K. Agarwal, Dharendra Kumar and Saurabh K. Singh (2021). Morphometric analysis of Parvati Basin, NW Himalaya: A Remote sensing and GIS based approach. *Journal Geological Society of India*. Vol 95, pp 165-172.
13. **Imran Khan**, Anjali Trivedi, Sheikh Nawaz Ali, Rameshwar Bali, S.J. Sangode, Oshin Deepak (2022). Late Pleistocene-Holocene vegetation and climate variability of the western Himalaya, India. *Journal of Asian Earth Sciences* Vol 233, 1 August 2022, 105245.
14. Farooq Ahmad Dar, Mamilla Venkateshwarlu, **Imran Khan** and Zubair Malik (2024). Modeling the environment and climatic conditions of Ladakh Himalaya using Quaternary sediments. *Model. Earth Syst. Environ.* **10**, 3495–3515 (2024). <https://doi.org/10.1007/s40808-024-01965-w>.

PAPERS PRESENTED AT SEMINARS/CONFERENCES/SYMPOSIUM

1. **Presented** research paper entitled “**Anthropogenic Activity Induced Natural Resource Degradation: A Case Study of Singrauli Industrial Area Using Remote Sensing And GIS**” in national conference “**Climate change and Natural resources: Impact and sustainable Development in Indian Perspective**” Held on February 20 - 21, 2018 at Centre of Advance Study in Geology, University of Lucknow.
2. **Presented** research paper entitled “**Mid to late Holocene Climatic Study of the Central Lahaul Valley**” in Seminar on “**On Thin Ice Arctic, Antarctic and the Himalayas**” Held on November 29 - 30, 2016 at Jawaharlal Nehru University, New Delhi.
3. **Presented** research paper entitled “**Mid to late Holocene Palaeoclimatic Reconstruction based on pollen data from Triloknath Glacial Valley, Himachal Pradesh**” in National seminar on Quaternary Climate Change: New Approaches and Emerging Challenges. Held on December 15th to 16th 2014 at the Birla Sahni Institute of Paleobotany, Lucknow.
4. **Presented** research paper entitled “**Natural resource degradation due to anthropogenic activities in Singrauli coalfield: A Remote sensing based study**” in National seminar on Emerging Issues and Challenges In Petrology And Environmental Geology, Held on March 5th to 7th 2013 at the department of geology Aligarh Muslim University, Aligarh.
5. **Presented** research paper entitled “**Impact of Anthropogenic Activities on Natural Resources in Singrauli Coalfield: A Remote Sensing Based Study**” at 8th J&K Science Congress 2012 on “Science, Technology & Regional Development: Opportunities & Challenges” 17th to 19th September, 2012 at University of Kashmir.
6. **Presented** research paper entitled “**Anthropogenic induced Land use/land cover change: Remote sensing and GIS based case study of Singrauli coalfield**” in three day **International**

Seminar on “Population, Dynamism And Sustainable Resource Development” 25th to 27th March, 2012 at the Department of Geography, Aligarh Muslim University, Aligarh.

7. **Presented** research paper entitled “**Land use /land cover change (2001 to 2010) due to coal mining activities in Singrauli industrial belt, M.P, Using remote sensing and GIS**” at 4th **International** Conference on Environmental Research, 15th to 17th December, 2011 at the SVNIT, Surat.
8. **Presented** research paper entitled “**Impact of mining activities on land use /land cover (1993 to 2010) in Singrauli industrial belt, M.P, Using remote sensing and GIS**” at **National Seminar** on “Population, Resource and Environment” 1st to 2nd March, 2011 at Department of Geography, Aligarh Muslim University, Aligarh.
9. **Presented** research paper entitled “**Spatio temporal land cover changes in Singrauli industrial Belt, (M.P) Using Multi temporal IRS data**” in the three day **Annual convention and national symposium (ISRS)** on GIS and Remote sensing in infrastructure development” 1st to 3rd December, 2010 at Sinhgad Technical Education Society, Lonavala, Pune, India.
10. **Presented** research paper entitled “**Ground water Quality in district Srinagar**” at One day **Regional Workshop** on “Water Conservation and Rain water Harvesting Techniques to Augment the Ground Water and its Impact on Environment” held on 5th June, 2010 (World Environment Day) at the Department of Geology, Aligarh Muslim University, Aligarh.

PERSONAL DETAILS

Father's Name : Mr. Manzoor Ahmad Khan
Mother's Name : Zahida khan
Date of Birth : 11.10.1984
Nationality : Indian
Passport No : T2391912
Marital Status : Married
Sex : Male
Languages Known : English, Hindi, Urdu and Kashmiri

Permanent Address /

Correspondence Address : House No. 29, Lane. 3, Sector. B. Gulshan Nagar Bypass,
Opposite Ahmed's Hospital, Srinagar, Jammu &
Kashmir, India. 190015.

Declaration

I hereby declare that the particulars given above are true to the best of my knowledge and belief.

Dated: July 30, 2024

Place: J&K, India.

(Dr. Imran Khan)