

# IHTISHAM ISLAM S/O MOHAMMAD ISLAM KHAN

## **Personal Information:**

Computerized National ID number: 17301-5572501-1.

Country of origin: Pakistan

Date of Birth: 28<sup>th</sup> January 1990.

Religion: Islam.

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2. Department of Geology, Shaheed Benazir Bhutto University, Sheringal Dir Upper, KP Pakistan.

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## **Academic Information:**

1	PhD (Engineering Geology)	Thesis Submitted	3.9/4.0 CGPA Coursework	National Centre of Excellence in Geology, UOP, KP.
2	M.S/MPhil (Engineering Geology/Geophysics/Geotechnical)	A-1; Ist Division	3.9/4.0 CGPA	National Centre of Excellence in Geology, UOP, KP
3	B.S Hons (Geology)	A; Ist Division	2023/2800; 72%	Department of Geology, UOP, KP.
4	H.S.S.C (Pre-Engineering)	A; Ist Division	846/1100; 77%	Islamia College Peshawar, KP.
5	S.S.C (Science)	A; Ist Division	807/1050; 77%	University Public School, Peshawar, KP.

## **Professional Experience:**

- ***Current position:*** Lecturer of Geology/Geophysics at Shaheed Benazir Bhutto University Sheringal Dir Upper KPK.(29-10-2014-Till Date)
- **Two** years as Geologist/Site Geotechnical analyst at Task International Pvt Ltd KPK.
- Warden at Shaheed Benazir Bhutto University Sheringal Dir Upper. (2019-Till Date)
- Examination coordinator and member discipline and grievance committee. (2019-Till Date)
- Short course in construction material testing at NCEG UOP.

## **RESEARCH PUBLICATIONS:**

1. Rehman, Qasim Ur, Muhammad Waseem, Waqas Ahmed, *Ihtisham Islam*, Hammad Tariq Janjuhah, and George Kontakiotis. Ground motion hazard of the China Pakistan Economic Corridor (CPEC) routes in Pakistan. *Progress in Earth and Planetary Science* **2023**, 10(27), <https://doi.org/10.1186/s40645-023-00559-x>. (Impact factor 3.9)
2. Khan, Jehanzeb, Waqas Ahmed, Muhammad Waseem, Wajid Ali, Inayat ur Rehman, *Ihtisham Islam*, Hammad Tariq Janjuhah, George Kontakiotis, George D. Bathrellos, and Hariklia D. Skilodimou. 2023. "Lowari Tunnel Water Quality Evaluation: Implications for Tunnel Support, Potable Water Supply, and Irrigation in Northwestern Himalayas, Pakistan" *Applied Sciences* 13, no. 15: 8895. <https://doi.org/10.3390/app13158895> (Impact factor 2.7)
3. Nawaz, Muhammad, Waqas Ahmed, Muhammad Yasir, *Ihtisham Islam*, Hammad Tariq Janjuhah, George Kontakiotis, Assimina Antonarakou, and Christina Stouraiti. 2023. "Petrographic and Geotechnical Features of Dir Volcanics as Dimension Stone, Upper Dir, North Pakistan" *Geosciences* 13, no. 8: 224. <https://doi.org/10.3390/geosciences13080224> (Impact factor 2.7)
4. Shah, Syed Samran Ali, Abdul Rahim Asif, Waqas Ahmed, *Ihtisham Islam*, Muhammad Waseem, Hammad Tariq Janjuhah, and George Kontakiotis. Determination of Dynamic Properties of Fine-Grained Soils at High Cyclic Strains." *Geosciences* 13, no. 7 (2023): 204. <https://doi.org/10.3390/geosciences13070204> (Impact factor 2.7)
5. Petrounias, Petros, Panagiota P. Giannakopoulou, Aikaterini Rogkala, Nikolaos Antoniou, Petros Koutsovitis, Evangelia Zygouri, Pavlos Krassakis, *Ihtisham Islam*, and Nikolaos Koukouzas. *Posidonia oceanica* Balls (Egagropili) from Kefalonia Island Evaluated as Alternative Biomass Source for Green Energy. *Journal of Marine Science and Engineering*. **2023**; 11(4):749. <https://doi.org/10.3390/jmse11040749> (Impact factor: 2.9)
6. Rashid, Mehboob ur, Waqas Ahmed, *Ihtisham Islam*, Petros Petrounias, Panagiota P. Giannakopoulou, and Nikolaos Koukouzas. Impact of Climate Change on the Stability of the Miacher Slope, Upper Hunza, Gilgit Baltistan, Pakistan." *Climate* **2023**, 11(05), 102. <https://doi.org/10.3390/cli11050102> (Impact factor 3.7)
7. Impact of geochemistry and geotechnical properties in triggering mechanism of landslides, Dir upper KP Pakistan. *Journal of Physics and Chemistry of earth* **2023, In Press**. (Impact factor 3.7)
8. An Integrated Petrophysical and Geochemical Approach to study the Tredian Fomation in the Salt and Trans Indus Surghar Ranges of NW Pakistan: Implications of Paleoclimatic Environment. *The Depositional Record* **2023, In Press**. (Impact factor 2.5)
9. Ahmed, Waqas, Niaz Ahmad, Hammad Tariq Janjuhah, *Ihtisham Islam*, Muhammad Sajid, and George Kontakiotis. The Evaluation of Non-Destructive Tests for the Strength and Physical Properties of Granite, Marble, and Sandstone: A Case Study from North Pakistan. *Quaternary* **2023**, 6(1). <https://doi.org/10.3390/quat6010004> (Impact factor 2.3)

10. Yasir, Muhammad, Waqas Ahmed, ***Ihtisham Islam***, Muhammad Sajid, Hammad Tariq Janjuhah, and George Kontakiotis. Composition, Texture, and Weathering Controls on the Physical and Strength Properties of Selected Intrusive Igneous Rocks from Northern Pakistan. *Geosciences* **2022**, *12*, 273. <https://doi.org/10.3390/geosciences12070273>. (*Impact factor 2.7*)
11. Khan, Jehanzeb, Waqas Ahmed, Muhammad Yasir, ***Ihtisham Islam***, Hammad Tariq Janjuhah, and George Kontakiotis. Pollutants Concentration during the Construction and Operation Stages of a Long Tunnel: A Case Study of Lowari Tunnel, (Dir–Chitral), Khyber Pakhtunkhwa, Pakistan. *Applied Sciences*. **2022**, *12*, 6170. <https://doi.org/10.3390/app12126170>. (*Impact factor 2.838*)
12. Asif, Abdul Rahim, ***Ihtisham Islam***, Waqas Ahmed, Muhammad Sajid, Adnan Qadir, and Allah Ditta. Exploring the potential of Eocene carbonates through petrographic, geochemical, and geotechnical analyses for their utilization as aggregates for engineering structures. *Arabian Journal of Geosciences* (2022) 15:1105, <https://doi.org/10.1007/s12517-022-10383-0> (*Impact factor 1.985*)
13. Orakzai, Azmat Ullah and ***Ihtisham Islam***. Feasibility study of Dir Group volcanic rocks used as coarse aggregates in concrete and asphalt in Dir Upper, Khyber Pakhtunkhwa. Proceedings of the 1st International Conference on Recent Advances in Civil and Earthquake Engineering, 8th October, 2021, Peshawar, Pakistan. (pp. 263-269)
14. ***Islam, Ihtisham***, Waqas Ahmed, Mehboob Ur Rashid, Azmat Ullah Orakzai, and Allah Ditta. Geophysical and geotechnical characterization of shallow subsurface soil: a case study of University of Peshawar and surrounding areas. *Arabian Journal of Geosciences* (2020) 13:949, <https://doi.org/10.1007/s12517-020-05947-x>. (*Impact factor 1.985*)
15. Islam, Bushra, Shahla Nazneen, ***Ihtisham Islam***, Allah Ditta, Muhammad Khurshid, and Muhammad Asif. Factors Determining the Residents’ Preparedness against Natural Disasters: A Case Study of Pakistan Flood-2010, *J. Environ. Agric. Sci.* (ISSN: 2313-8629), 2020. 22(1): 32-40.
16. Ditta, Allah, Sajid Mehmood, Muhammad Imtiaz, Muhammad Shahid Rizwan, and ***Ihtisham Islam***. Soil fertility and nutrient management with the help of nanotechnology. In *Nanomaterials for Agriculture and Forestry Applications* (pp. 273-287). Elsevier 2020.
17. Arif, Muhammad, ***Ihtisham Islam***, and Muhammad Rizwan. Petrography and Physico-mechanical properties of the granitic rocks from Kumrat valley, Kohistan Batholith, NW Pakistan. *AshEse Journal of Physical Science* Vol. 1(1), pp. 001-008, April, 2015. ISSN 2059-7827.
18. ***Ihtisham Islam*** and Waqas Ahmed. Geoelectrical and geotechnical characterization of shallow subsurface soil from the campus of University of Peshawar, Khyber Pakhtunkhwa. International Conference on: Earth Sciences Pakistan 15-17<sup>th</sup> July, *Journal of Himalayan Earth Sciences*, Page 55, 2016. (Abstract Volume)

**COMPUTER SKILLS:** GIS (Geographic information system), Corel Draw, Google Earth, Rad Explorer, 1XDX, IPI2 WIN, Inpage, MS Office.

**International universities certifications through Coursera:**

1. “Oceanography” from Universitat DE Barcelona and FNOB.
2. “Project management” from University of California, Irvine USA.

3. "Our Earth" from The University of Manchester.
4. "Leading Teams" from University of Michigan, USA.
5. "Disaster Preparedness" from University of Pittsburg, USA.
6. "Origins - Formation of the Universe" from University of Copenhagen, Denmark.
7. "Data Scientist Tools box" from John Hopkins University, USA.
8. "Introduction to Environmental Law and Policy" from University of North Carolina at Chapel Hill, USA.
9. "Introduction to GIS mapping" from University of Toronto, Canada.
10. "The Dynamic Earth" from American Museum of Natural History, USA.
11. "University Teaching" from The University of Hong Kong.
12. "Natural Attenuation of Groundwater Contaminants: New Paradigms, Technologies, and Applications" from RICE University, USA.
13. "English for teaching purposes" from Universitat Autònoma de Barcelona, Spain.
14. "Understanding research methods" from University of London.
15. "Academic Information seeking" from University of Copenhagen and Technical University of Denmark (DTU).
16. "Mountain 101" from University of Alberta, Canada.
17. "How to Write and Publish a Scientific Paper (Project-Centered Course)" from École Polytechnique France.
18. "Experimental Design Basics" from Arizona State University, USA.

**International Journals reviewer:**

1. Review manuscripts for International Journal of Advanced and Applied Sciences. Taiwan. EISSN2313-3724
2. Review manuscripts for Scientific reports Springer Nature. Scientific Reports (Sci Rep) ISSN 2045-2322.