

# Abdul Jabbar Khan

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## About

Dr. Abdul Jabbar Khan is working as Assistant Professor in the NUST Institute of Civil Engineering. Dr. Abdul Jabbar Khan has a PhD in Geotechnics and Hydrogeology. Dr. Abdul Jabbar Khan has published 14 research articles & conference papers having a citation count of 144, carried out 1 projects and filed 0 intellectual property.

## Qualifications

<b>PhD in Geotechnics and Hydrogeology</b> Quaid-i-Azam University , Pakistan	2015 - 2023
<b>MPhil in Engineering Geology</b> University of the Punjab , Pakistan	2009 - 2011
<b>MS in Applied Geology</b> University of the Punjab , Pakistan	2004 - 2006
<b>B.Sc (Hon) in Applied Geology</b> University of the Punjab , Pakistan	2001 - 2004

## Experience

<b>Assistant Professor</b> NUST Institute of Civil Engineering	2013- Present
<b>Lecturer</b> (Do Not Use-Duplicate)NUST Institute of Civil Engineering	2011 - 2013
<b>Principal Geologist</b> Earth Services, Over, Pakistan , lahore	2008 - 2009
<b>Sr. Geologist</b> Safe Services, Lahore , lahore	2007 - 2008
<b>Geologist</b> Land Mark, Islamabad , Islamabad	2007 - 2007
<b>Geologist</b> Saad & Company, Lahore , lahore	2006 - 2007

## Industry Projects

<b>National Projects</b>	
<b>Identification of Water Recharge Source &amp; Aquifer Capacity Enhancement – Sector E-9 Islamabad</b> Client: N/A Amount: PKR 630,000.00 Status: Completed	2019

### International Projects

## Research Articles

<b>Identifying the Influence of Fluoride Mobilization Mechanism on Groundwater Quality Dynamics of Sanghar District, Lower Indus Basin</b> Abdul Jabbar Khan Muhammad Sanaullah Sajid Rashid Ahmad Abdul Qayyum Noor zaman Shar Abdul Raheem Shar Sindh University Research Journal (Science Series), Volume 56(1), Pages 33-39	2024
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<b>Impact Factor:</b> N/A <b>DOI:</b> <a href="https://doi.org/10.26692/surj-ss.v56il.6640">https://doi.org/10.26692/surj-ss.v56il.6640</a>	
<b>Determination of Ground Motion Parameters of Urban Centers of Balochistan Province</b> <i>Usama Abid Abbas Haider Badee Alshameri Zia ur Rehman Abdul Jabbar Khan Nasir Mahmood Shah Hassan</i> <i>Soil Dynamics and Earthquake Engineering</i> , Volume 175, Article Number 108221 <b>Impact Factor:</b> 4.0   <b>Quartile:</b> 1   <b>Citations:</b> 2 <b>DOI:</b> 10.1016/j.soildyn.2023.108221	2023
<b>Development of Artificial Geochemical Filter to Treat Acid Mine Drainage for Safe Disposal of Mine Water in Salt Range Portion of Indus Basin—A Lab to Pilot Scale Study</b> <i>Abdul Jabbar Khan Muhammad Shahid Gulraiz Akhter Yonggang Ge Khalil Ur Rahman</i> <i>Sustainability</i> , Volume 14, Issue 13, Article Number 7693 <b>Impact Factor:</b> 3.9   <b>Quartile:</b> 2   <b>Citations:</b> 3 <b>DOI:</b> 10.3390/su14137693	2022
<b>Quantitative assessment of regional land use and climate change impact on runoff across Gilgit watershed</b> <i>Muhammad Shahid Khalil Ur Rahman Sajjad Haider Hamza Farooq Gabriel Abdul Jabbar Khan Quoc Bao Pham Dr. Chaitanya Pande Nguyen Thi Thuy Linh</i> <i>Duong Tran Anh</i> <i>Environmental Earth Sciences</i> , Volume 80, Article Number 743 <b>Impact Factor:</b> 3.119   <b>Quartile:</b> 2   <b>Citations:</b> 60 <b>DOI:</b> 10.1007/s12665-021-10032-x	2021
<b>Assessing the potential and hydrological usefulness of the CHIRPS precipitation dataset over a complex topography in Pakistan</b> <i>Muhammad Shahid Khalil Ur Rahman Sajjad Haider Hamza Farooq Gabriel Abdul Jabbar Khan Quoc Bao Pham Babak Mohammadid Nguyen Thi Thuy Linh</i> <i>Duong Tran Anh</i> <i>Hydrological Sciences Journal</i> , Pages 1-21 <b>Impact Factor:</b> 3.942   <b>Quartile:</b> 2   <b>Citations:</b> 25 <b>DOI:</b> 10.1080/02626667.2021.1957476	2021
<b>Development of a novel Weighted Average Least Squares-based ensemble multi-satellite precipitation dataset and its comprehensive evaluation over Pakistan</b> <i>Khalil Ur Rahman SonghaoShang Muhammad Shahid Yeqiang Wen Abdul Jabbar Khan</i> <i>Atmospheric Research</i> , Volume 246, Article Number 105133 <b>Impact Factor:</b> 5.369   <b>Quartile:</b> 1   <b>Citations:</b> 20 <b>DOI:</b> <a href="https://doi.org/10.1016/j.atmosres.2020.105133">https://doi.org/10.1016/j.atmosres.2020.105133</a>	2020
<b>An Integrated Geo-Physical Approach for Groundwater Investigation in Northwestern Part of Pakistan</b> <i>Abdul Jabbar Khan Fida Ul Mustafa Hamza Farooq Gabriel Haseeb Ullah Khan Wasi Haider Hussain Abbas Fida Ul Mustafa Hamza Farooq Gabriel Haseeb</i> <i>Ullah Khan Wasi Haider Hussain Abbas Muhammad Shahid</i> <i>International Journal of Advance Science and Technology</i> , Volume 29, Issue 10S, Pages 616-630 <b>Impact Factor:</b> - <b>DOI:</b> Nil	2020
<b>Anthropogenic Effects of Coal Mining on Ecological Resources of the Central Indus Basin, Pakistan</b> <i>Abdul Jabbar Khan Gulraiz Akhter Hamza Farooq Gabriel Muhammad Shahid</i> <i>International Journal of Environmental Research and Public Health</i> , Volume 17(4), Article Number 1255 <b>Impact Factor:</b> 3.390   <b>Quartile:</b> 1   <b>Citations:</b> 34 <b>DOI:</b> 10.3390/ijerph17041255	2020
<b>Appraisal of Geotechnical Characteristics of Ormara Soil, Baluchistan, Pakistan</b> <i>Abdul Jabbar Khan Naveed Ahsan Sana Ullah Sani Gulraiz Akhter</i> <i>International Journal of Economic and Environmental Geology</i> , Volume 10(3), Pages 22-26 <b>Impact Factor:</b> N/A <b>DOI:</b> 10.46660/ojs.v10i3.304	2019
<b>Structural Investigation for Locating Petroleum Reservoirs Using Geoinformatics in Meyal, Potwar Region, Pakistan</b> <i>Zohaib Fayyaz Javed Iqbal Muhammad Ahsan Mahboob Abdul Jabbar Muhammad Affan Sabir</i> <i>International Journal of Geosciences</i> , Vol.7, No.11, Pages 1345-1355 <b>Impact Factor:</b> - <b>DOI:</b> doi:10.4236/ijg.2016.711098	2016

### **Reliable Application of Resistivity Method to delineate underground mines in Chakwal area-Salt Range**

2018

#### **- A True Application**

*Abdul Jabbar Khan Gulraiz Akhter*

*4th Multi Disciplinary Student Research International Conference (MDSRIC) 2018, res.country(177,)*

**Citations:** N/A

**DOI:** <http://www.uow.edu.pk/ORIC/Publications/4th%20MDSRIC-181.pdf>

### **Fluoride Mobilization Mechanism and Its Influence on Groundwater Quality Parameters for Deltaic Plain, District Of Lower Indus Basin.**

2017

*Muhammad Sanaullah Noor Zaman Sajid Rashid Ahmad Abdul Jabbar Khan*

*2nd IWA Regional Symposium on water, Wastewater and Environment, res.country(224,)*

**Citations:** N/A

**DOI:** N/A

### **A Case Study on Islamabad and Rawalpindi, soil bearing capacity modeling**

2014

*Dr. Kamran Akhtar Abdul Jabbar Khan Qasim Khan Muhammad Asim*

*Second International Conference on Modern Trends in Science Engineering and Technology 2014, res.country(2,)*

**Citations:** N/A

**DOI:** 10.13140/RG.2.1.3665.1925