

# Muhammad Junaid

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## About

Dr. Muhammad Junaid is working as Assistant Professor in the Military College of Engineering. Dr. Muhammad Junaid has a PhD in Applied Geophysics. Dr. Muhammad Junaid has published 10 research articles & conference papers having a citation count of 41, carried out 0 projects and filed 0 intellectual property.

## Qualifications

<b>PhD in Applied Geophysics</b> Universiti Teknologi Malaysia , Malaysia	2019 - 2022
<b>MPhil in Geotechnics</b> Universiti Teknologi Malaysia , Malaysia	2017 - 2019
<b>BS in Mining</b> UET Peshawar , Pakistan	2010 - 2014

## Experience

<b>Assistant Professor</b> Military College of Engineering	2022- Present
<b>Lecturer</b> Karakoram International University , Gilgit Baltistan	2021 - 2022
<b>Site Incharge</b> Pir and Co Contractor and Transporter , Pir & Co Contractor and Transporter Islamabad	2016 - 2017
<b>Trainee Engineer</b> Bestway Cement Limited Chakwal , Chakwal	2015 - 2016
<b>Trainee Engineer</b> Askari Cement Limited Nizampur , Nizampur, Nowshera	2015 - 2015

## Research Articles

Towards safer mining environments: an in-depth review of predictive models for accidents 2024

Kausar Sultan Shah Hafeez Ur Rehman Niaz Muhammad Shahani Barkat Ullah Naeem Abbas Muhammad Junaid Mohd Hazizan bin Mohd Hashim  
Arabian Journal of Geosciences, Volume 17, Article Number 292

**Impact Factor:** N/A  
**DOI:** 10.1007/s12517-024-12090-4

Discontinuity characterization for slope stability assessment using combined aerial photogrammetry, and geophysics approach 2024

Muhammad Junaid Rini Asnida Abdullah Arshad Ullah Radzuan Saari Sajid Mahmood Hafeez ur Rehman Safi ur Rehman Mahmut Saari  
Natural Hazards , Pages 1-20

**Impact Factor: 3.300 | Quartile: 2 | Citations: 3**  
**DOI: 10.1007/s11069-024-06932-3**

Experimental and 3D numerical analysis of embankment on soft soil improved with cement bottom ash columns 2024

Arshad Ullah Azman Kassim Ahmad Safuan A. Rashid Yu Huang Muhammad Junaid Mohammad Jawed Roshan  
Acta Geotechnica, Pages 1-19

**Impact Factor: 5.600 | Quartile: 1 | Citations: 1**  
**DOI: 10.1007/s11440-024-02412-x**

Assigning resistivity values to rock quality designation indices using integrated unmanned aerial vehicle and 2D electrical resistivity tomography in granitic rock 2024

Muhammad Junaid Rini Asnida Abdullah Kamal Abdelrahman Arshad Ullah Sajid Mahmood Radzuan Sa'ari Amber Islam  
Geocarto International, Volume 39, Issue 1, Article Number 2343019

**Impact Factor: 3.800 | Quartile: 2 | Citations: 6**  
**DOI: 10.1080/10106049.2024.2343019**

Effect of Stress Ratio K due to Varying Overburden Topography on Crack Intensity of Tunnel Liner 2023

Amber Islam Rini Asnida Abdullah Izni Syahrizal Ibrahim Goh Thian Lai Muhammad Hamid Chaudry Muhammad Junaid Zafar Iqbal Norhadziana Jamal  
Azizul Faiz Abd Aziz Adam Salim

*Journal of Performance of Constructed Facilities*, Volume 37, Issue 04, Article Number 4281

**Impact Factor: 2.317 | Quartile: 3 | Citations: 7**  
**DOI: 10.1061/JPCFEV.CFENG-4281**

**A Comparative Study of the Influence of Volumetric Joint Counts (Jv) and Resistivity on Rock Quality Designation (RQD) Using Multiple Linear Regression** 2023

Muhammad Junaid Rini Asnida Abdullah Radzuan Saari Kausar Sultan Shah Rafi ullah  
Pure and Applied Geophysics, Pages 1-18

**Impact Factor: 2.641 | Quartile: 3 | Citations: 5**  
**DOI:** <https://link.springer.com/article/10.1007/s00024-023-03260-8>

Experimental Analysis of Embankment on Soft Soil Improved with Bottom Ash Columns 2022

Arshad Ullah Azman Kassim Sarfraz Ahmed Rafi Ullah Muhammad Junaid Muhammad Danish Zia  
Transportation Geotechnics, Volume 37, Article Number 100881

**Impact Factor:** 4.938 | **Quartile:** 1 | **Citations:** 13  
**DOI:** <https://doi.org/10.1016/j.trgeo.2022.100881>

3D Modelling and Feasibility Assessment of Granite Deposit using 2D Electrical Resistivity Tomography, Borehole, and Unmanned Aerial Vehicle Survey 2022

Muhammad Junaid Rini Asnida Abdullah Radzuan Saari Wahid Ali Amber Islam Mahmut Saari  
Journal of Mining and Environment, Volume 13, Issue 4, Pages 929-942

**Impact Factor:** N/A | **Citations:** 6  
**DOI:** DOI:10.22044/jme.2022.11938.2189

## Conference Proceedings

Evaluation of Rock Mass Quality using Unmanned Aerial Vehicle Survey for Slope instability Assessment 2023

Muhammad Junaid Rini Asnida Abdullah Radzuan Saari  
15th ISRM Congress 2023 & 72nd Geomechanics Colloquium, res.country(12,)

**Citations:** N/A  
**DOI:** <https://eposter.at/ISRM2023/data/PDF/1593>

Editorial Activities

<b>Journal of Mining and Environment</b> Reviewed Papers for Journals <b>Impact Factor:</b> 0.2	2024
<b>Journal of Mining and Environment</b> Reviewed Papers for Journals <b>Impact Factor:</b> 0.2	2024
<b>Geocarto International</b> Reviewed Papers for Journals <b>Impact Factor:</b> 3.3	2023
<b>Bulletin of Engineering Geology and Environment</b> Reviewed Papers for Journals <b>Impact Factor:</b> 3.7	2023