Yawar Hussain

WORK EXPERIENCE

01/01/2021 – 30/11/2022 Liege, Belgium
POST-DOCTORAL RESEARCHER UNIVERSITY OF LIEGE

Geophysical applications for the site selection of the Einstein Telescope installation and mega landslide in El Hierro.

27/01/2020 – 31/12/2020 Clemson, United States
POST-DOCTORAL RESEARCHER CLEMSON UNIVERSITY

Processing deformation (strain) data recorded at injection test.

01/08/2019 – 31/01/2020 Brasilia, Brazil
POST-DOCTORAL RESEARCHER UNIVERSITY OF BRASILIA

Geophysical and geotechnical characterization of roadside landslide.

01/08/2018 – 30/07/2019 Brasilia, Brazil
POST-DOCTORAL RESEARCHER CHICO MENDES INSTITUTE FOR BIODIVERSITY CONSERVATION–ICMBIO

Geophysical and geotechnical characterization of subsurface caves for geohazard assessment and their impacts on the vulnerability of the underlying karst aquifer.

01/12/2022 – CURRENT Rome, Italy
POST-DOCTORAL FELLOW "SAPIENZA" UNIVERSITY OF ROME

Analysis of data from multiparametric monitoring systems for detection of slope instabilities affecting strategic infrastructures and cultural heritage. (Supervision: Dr. S. Martino).

EDUCATION AND TRAINING

01/08/2014 – 28/09/2018 Brasilia, Brazil
PH.D. IN GEOTECHNICAL ENGINEERING University of Brasilia

01/03/2012 – 18/03/2014 Islamabad, Pakistan
MASTER OF PHILOSOPHY IN GEOPHYSICS Quaid-i-Azam University

01/08/2009 – 01/08/2011 Islamabad, Pakistan
MASTERS IN GEOPHYSICS Quaid-i-Azam University

LANGUAGE SKILLS

Mother tongue(s): **URDU**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
PORTUGUESE	B1	B1	B1	B1	B1

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
FRENCH	A2	A2	A2	A2	A2
ENGLISH	C1	C1	C1	C1	C2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

ADDITIONAL INFORMATION

PUBLICATIONS

New insights into the anomaly genesis of frequency selection method: supported by numerical modeling and case studies. Pure and Applied Geophysics
– 2023

Evaluation of the subgrade reaction for closely-spaced shallow foundations on sand, Geotechnical Engineering (Proceedings of the ICE)
– 2023

A semi-automatic approach for doline mapping in Brazilian covered karst: the way forward to the vulnerability assessment, Acta Carsologica
– 2022

Review on the Geophysical and UAV-Based Methods Applied to Landslides. Remote Sensing – 2022

Seismic ambient noise tomography to retrieve near-surface properties in soils with significant 3D lateral heterogeneity. The case of Quinta Colorada building in Chapultepec, Mexico, Natural Hazards
– 2021

Detection of Cover Collapse Doline and Other Epikarst Features by Multiple Geophysical Techniques, Case Study of Tarimba Cave, Brazil. Water
– 2020

Different sampling strategies for predicting landslide susceptibilities are deemed less consequential with deep learning. Science of the Total Environment
– 2020

Monitoring of Sobradinho landslide (Brasília, Brazil) and a prototype vertical slope by time-lapse interferometry. Brazilian Journal of Geology
– 2019

Multiple Geophysical Techniques for Investigation and Monitoring of Sobradinho Landslide, Brazil. Sustainability
– 2019