FACULTY VITAE

General Information:

Name	Nationality	Photo
Mohammad Ahmad Almadani	Saudi	

Education:

Degree	Discipline	Institution	Year
Bachelors	Bachelor of Science in Mining Engineering	**King Abdulaziz University** Jeddah, Saudi Arabia	2001
Masters	Master of Science in Civil Engineering	**King Abdulaziz University** Jeddah, Saudi Arabia.	2007
Masters	M.S Advanced studies of environment and security for mines	**Ecole des Mines d'Ales Ales, France**	2008
Ph.D.	Doctor of Philosophy in Civil Engineering	University of Central Florida, U.S.A.	2019

Academic Experience:

Institution	Rank/Title	Period	FT/PT
Water research center, King Abdulaziz University	Researcher	2003- 2004	FT
Civil Engineering Department, Engineering College – Rabigh Branch, King Abdulaziz University	Lecturer	2012 - 2020	FT
Civil Engineering Department, Engineering College – Rabigh Branch, King Abdulaziz University	Assistant Professor	2020 - Now	FT

Non-academic Experience:

Company/Entity	Position	Period	FT/PT
Saudi Geological Survey	Head of processing and industrial application	2004 – 2012	FT

Important Publications and Presentations from the Past Five Years:

Mohammad Almadani. Drought Assessment Using Standardized Precipitation Index (SPI) Case Study: Sulphur Springs Tampa FL. pp 133–146 Proceedings of the 3rd International Conference on Green Environmental Engineering and Technology IConGEET 2021, Penang, Malaysia. DOI: 10.1007/978-981-16-7920-9_16. **(ISI Indexed)**
Mahmoud, Ali, Xiaohui Yuan, Marwan Kheimi, Mohammad A. Almadani, Taher Hajilounezhad, and Yanbin Yuan. "An improved multi-objective particle swarm optimization with TOPSIS and fuzzy logic for optimizing trapezoidal labyrinth weir." *IEEE Access* 9 (2021): 25458-25472. DOI: 10.1109/ACCESS.2021.3057385 **(ISI Indexed)**
Kheimi, Marwan, Ikmal Hakem Aziz, Mohd Mustafa Al Bakri Abdullah, Mohammad Almadani, and Rafiza Abd Razak. "Waste Material via Geopolymerization for Heavy-Duty Application: A Review." Materials 15, no. 9 (2022): 3205., DOI: 10.3390/ma15093205. **(ISI Indexed)**
Mohammad Almadani. "Evaluation of Green Infrastructure Effectiveness in an Urban Watershed Stormwater Runoff Reduction Using a Process-based Modeling Approach". AGU Fall Meeting 2020. San Francisco USA.
Mohammad Almadani. Watershed modeling with Green Infrastructure GIFMod as a new platform EWRI World Environmental & Water Resource Congress Sacramento, California
Mohammad Almadani. " Sligo Creek Case for Watershed evaluation of Stormwater Green Infrastructure using a flexible model" . World Environmental and Water Resources Congress. Minneapolis ,MN USA 2018