

Brief Vitae

Raid Alrowais

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Education

Degree	Specialization	Country	University	Year
Ph.D.	Environmental Engineering	Saudi Arabia	King Abdullah University of Science and Technology (KAUST)	2020
MSc.	Environmental Engineering	Saudi Arabia	King Abdullah University of Science and Technology (KAUST)	2016
BSc.	Civil Engineering	Saudi Arabia	Jouf University	2012

Academic/Non-academic experience

Job Title	Institution	Date
Assistant Professor	Jouf University	2020- Present
Lecturer	Jouf University	2017-2020
Teaching Assistant	Jouf University	2012-2017

Briefly list of publications and presentations

Research Title	Type (Journal / Conference)	Journal / Conference Name	Date
Enhanced detoxification methods for the safe reuse of treated olive mill wastewater in irrigation	Journal	Environmental Sciences Europe	2023
Modeling and Analysis of Cutoff Wall Performance Beneath Water Structures by Feed-Forward Neural Network (FFNN)	Journal	Water	2023
Synthesis and Characterization of Nanometal Oxide-Biochar Derived from Date Palm Waste for Adsorption of Manganese and Iron from Contaminated Water	Journal	Water	2023
Groundwater Quality Assessment for Drinking and Irrigation Purposes at Al-Jouf Area in KSA Using Artificial Neural Network, GIS, and Multivariate Statistical Techniques	Journal	Water	2023
A System for Desalinating Seawater That Is Driven by Heat: A Proof-Of-Concept And A Vision for Sustainability in The Future	Conference	7 th International Conference of Polygeneration (ICP)	2023
Long term rating (LTR) and energy efficacy of solar driven desalination systems in KSA using a common energy platform of standard solar energy (SSE)	Journal	Solar Compass	2023
Comparing the effect of mesophilic and thermophilic anaerobic co-digestion for sustainable biogas production: An experimental and recurrent neural network model study	Journal	Journal of Cleaner Production	2023
Adsorption of Diphenolic Acid from Contaminated Water onto Commercial and Prepared Activated Carbons from Wheat Straw	Journal	Water	2023
Tubeless, multi-effect distillation system and method	Patent	United States Patent	2022
Numerical Investigation of the Hydraulic Impacts Induced by a Bioreactor Installed in a Contaminated Waterway	Journal	Water	2022
A thermally-driven seawater			

desalination system: Proof of concept and vision for future sustainability	Journal	Case Studies in Thermal Engineering	2022
Synthesis and performance evaluation of olive fruit waste resin for removal of fluoride from aqueous solution: batch and column modeling	Journal	Desalination and Water Treatment	2022
A greener seawater desalination method by direct-contact spray evaporation and condensation (DCSEC): Experiments	Journal	APPLIED THERMAL ENGINEERING	2022
AN INNOVATIVE DIRECT-CONTACT SPRAY EVAPORATION AND CONDENSATION (DCSEC) WITH MICRO-BUBBLE ENHANCEMENT FOR LOW-COST AND RENEWABLE ENERGY THERMAL SEAWATER DESALINATION — AN EXPERIMENTAL STUDY	Conference	THE 14 th GULF WATER CONFERENCE	2022
COMMON PLATFORM FOR EVALUATING ENERGY EFFICIENCY OF DESALINATION PLANT	Conference	(INTERNATIONAL CONFERENCE ON POLYGENERATION	2021
A Low Energy Thermally Driven Seawater Desalination by Direct Spray Method: - An Experimental Study	Conference	International Conference on Sustainable Energy Technologies	2019

Committees and Units (Briefly)

Committee/Unit Name	Date	Position	Organization
Olive Research Center Council	2022	Member	Jouf University
Civil Engineering Department Advisory Board	2022	Member	Shaqra University
Council of the Basic Sciences Research Unit	2022	Member	Deanship of Scientific Research- Jouf University
Scientific Research	2022	Member	Civil Engineering Department
Graduate studies Unit	2022	Head	Faculty of Engineering
Graduate studies Unit	2021	Head	Faculty of Engineering
Scientific Research	2021	Member	Civil Engineering Department

Committee			
Scientific Research Committee	2020	Member	Civil Engineering Department
Program quality and CQI committee	2020	Member	Civil Engineering Department
Scientific Research Committee	2020	Head	Faculty of Engineering
International Technical Cooperation Projects of the International Atomic Energy Agency	2020	Representative of Jouf University	Atomic Energy Agency