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كرسي اليونسكو لدراسات الأفلاح ــ اركيوهيدرولوجي	
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موقع المكتب: 25B G-02	
يعمل في الجامعة: منذ 2022	
الحالة الاجتماعية: Married	
Resources Management in 2017 and then he got his PhD certificate from University of Sistan and Baluchestan in 2021. His PhD thesis was on the application of data assimilation method in meshless local Petrov-Galerkin groundwater flow simulation model. During his PhD, He was awarded as the top student by University of Sistan and Baluchestan, faculty of Engineering. He is currently a postdoctoral researcher in UNESCO chair of Aflaj studies Archaeohydrology (UCASA) at the University of Nizwa. He is a referee for more than 10 civil, water management and agricultural Journals. He has authored and co- .authored over 20 scientific papers, two books and 2 research projects	
المؤهلات الأكاديمية	
PhD of Civil Engineering, University of Sistan and Baluchestan, 2021	
MSc، Civil Engineering, University of Birjand، 2017	
BSc. University of Isfahan. 2014	
أنشطة التدريس	
Lecturer in Birjand University of Technology، Courses: Fluid Dynamics, Hydraulic of Open Channels, Water and Waste water Treatment,، 2021-2022	
Lecturer in University of Birjand, Courses: Water Machines, 2022-2023	
Lecturer at Bozorgmehr University of Qaenat, Courses: Environmental Engineering, Fluid	

Lecturer in Birjand University of Technology, Courses: Fluid Dynamics, Hydraulic of Open Channels, 2022-2023 Environmental Informatics, Fall 2023 Fundamentals of Air Pollution, Fall 2023 Energy and Environment, Spring 2024 Hydrology and Hydraulic, Spring 2024

الأنشطة البحثية

الاهتمامات البحثية ـ

Groundwater
Numerical Method
Aflaj Knowledge
Quality Modeling
Modeling and Simulation

العرض في المؤتمرات ـ

Estimation groundwater balance with using meshless local Petrov-Galerkin, ``. 1st National Conference on Modelling and New Technologies in Water Management, 2018

حضور المؤتمرات _

15th GCC Water Conference, Doha, Qatar, 28/04/2024

المنشورات _

مقال:

Quality Prediction of Sustainable Groundwater Resources, a Falaj in Oman 2024 .1

<u>Computation of minimum adjustment factors for sustainable groundwater management</u> 2024 .2 using data assimilation and Vensim dynamic model

<u>Hydraulic of sustainable groundwater resources, aflaj in Oman, using meshless numerical</u> 2024 .3 <u>method</u>

Presentation of a new decision-making plan for prioritizing the rehabilitation of 2023 .4 (sustainable groundwater resources (case study: 9 aflaj of Oman

Data assimilation application in prediction of flowrate for a sustainable groundwater 2023 .5 resource: Falaj Al-Khatmain, Oman

Models Are Essential for Water Resource Management 2023 .6

Inverse modeling application for aquifer parameters estimation using a precise 2023 .7 simulation-optimization model

Qanat's hydraulic harim determination by the usage of meshless numerical method 2023 .8

Numerical simulation of groundwater in an unconfined aquifer with a novel hybrid model 2022 .9 ((case study: Birjand Aquifer, Iran

Numerical and Experimental Assessment of Suspended Material Effects on Water Loss 2022 .10 Reduction from Irrigation Channels

Determination the optimal dimensions of concrete gravity dam by using metaheuristic 2022 .11 (algorithms (Comparison of algorithms

Application of random walk algorithm into finite element numerical groundwater model 2022 .12 for capture zone depiction

Monitoring Network Design with MLPG-TLBO Hybrid Model (Case study Birjand, Iran 2022 .13

Application of Meshless local Petrov-Galerkin approach for steady state groundwater 2022 .14 flow modeling

Numerical Investigation the effect of Groundwater Uplift on the Interface Between Fresh 2022 .15 and Saline Water and Mixing Zone in the Aquifers Adjacent Deserts

Determination of Well's Capture Zones Using Random Walk Algorithm and FeFlow 2021 .16 Simulation Model

Leakage Detection in Water Distribution Networks by the Use of Analytical and 2021 .17 Experimental Models

Estimation of Parameters in Groundwater Modeling by Particle Filter linked to the 2021 .18 meshless local Petrov-Galerkin Numerical Method

Determination of the optimal location of wells in aquifers with an accurate simulation- 2020 .19 optimization model based on the meshless local Petrov-Galerkin

Usage of Particle Filter for Exact Estimation of Constant Head Boundaries in Unconfined 2020 .20
Aquifer

Numerical Simulation of Groundwater Recharge by Injection Wells with Using Meshless 2019 .21
Local Petrov-Galerkin

Experimental and numerical investigation of the effects of muddy water on seepage 2019 .22 reduction in earthen channels and dry zone of ganat

Determination of the capture zone of wells by using meshless local Petrov-Galerkin 2019 .23 (numerical model in confined aquifer in unsteady state (Case study: Birjand Aquifer

Computation of Groundwater Balance Using Numerical MLPG Method (Case Study: 2019 .24 (Birjand Unconfined Aquifer

Prediction of Groundwater Fluctuations Using Meshless Local Petrov-Galerkin Numerical 2019 .25 (Method in a Field Aquifer (Birjand Aquifer)

Investigation the effects of muddy water in decreasing seepage in the transition 2018 .26 (channels (Case study: Ferdows, South Khorasan province

Development of two dimensional groundwater simulation model using meshless method 2017 .27 based on MLS approximation function in unconfined aquifer in transient state

کتاب:

Novel Methods for Groundwater Management 2023 .1

Introduction to Groundwater Flow Modelling (Finite Element, Isogeometric and Meshless 2020 .2 (Methods

الأنشطة الاستشارية

2022	Research Expert, Regional Water Company, 2021- 202
العضوية في ال	في الهيئات المهنية
-2022	202–الآن: • Iranian Hydraulic Association
-2021	202–الآن: • Iranian Water Resources Management
-2021	202–الآن: • Iranian Rainwater Catchments Systems Association
-2021	202–الآن: • Iranian Water and Waste Water Association
الجوائز والتقدير	
2022	Elite Graduate Student of Engineering Faculty in University of Sistan & Baluchestan 202
2020	Top Student of Engineering Faculty of Univesity of Sistan and Baluchestan 202

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