

## CONTACT

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## OBJECTIVE

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I seek challenging opportunities where I can fully use my skills for the success of my organization.

## EXPERIENCE

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*9 Jan 2018 -*

*Currently*

- **Mutah University**

Assistant Professor

Assistant Professor in the Civil and Environmental Engineering Department. Main tasks include:

- Teaching courses (e.g. Hydrology, Hydraulics, Water Resources Engineering, Groundwater Engineering, Irrigation and Drainage Engineering, Industrial Pollution, Numerical Methods and other subjects).
- Supervising graduation projects.
- Relevent admin tasks.

*Jan 2012 - Jul 2017*

- **University of Liverpool**

Teaching Assistant - Center of Engineering Sustainability

Main tasks include:

- TA in the Center of Engineering Sustainability.
- Supervising some Civil Engineering labs.
- Demonstrator on Open Days and University events.
- Exam invigilation
- In addition to being a University accommodation Residential Advisor.

*Aug 2008 - Dec 2011*

- **Ministry of Public Works and Housing**

Civil Engineer

Highway Engineer and head of road maintenance department.

*Feb 2008 - Jul 2008*

- **Greater Karak Municipality**

Civil and Environmental Engineer

*Jul 2004 - Jul 2005*

- **Ministry of Public Works and Housing**

Trainee Engineer

## EDUCATION

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*2017*

- **Liverpool University**

PhD - Water and Environmental Engineering

*2008*

- **Mutah University**

MSc Water and Environmental Engineering

Excellent (90.4)

*2004*

- **Mutah University**

BSc Civil Engineering

Very good (77.4)

## SKILLS

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- ICDL certified
- Microsoft Office
- GIS skills
- Hydrological Modeling
- Team involvement and leadership

## PROJECTS

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- **eMaster in Water Resources Engineering**  
Role: Local coordinator of an ERASMUS PLUS funded project just awarded about €924K and planned to start in February 2020 in partnership with 5 European and ME academic institutions.

## LANGUAGE

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- Arabic - Mother language
- English - Fluent (IELTS 7)

## PUBLICATION

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- **A pre-calibration approach to select optimum inputs for hydrological models in data-scarce regions.**  
Tarawneh, E., Bridge, J., and Macdonald, N.: A pre-calibration approach to select optimum inputs for hydrological models in data-scarce regions, Hydrol. Earth Syst. Sci., 20, 4391–4407, <https://doi.org/10.5194/hess-20-4391-2016>, 2016.
- **Assessment of Sediment Yield for Wala Dam Catchment Area in Jordan**  
Ijam, A.Z. and Tarawneh, E.R., 2012. Assessment of sediment yield for Wala dam catchment area in Jordan.

## PERSONAL DETAILS

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- Nationality : Jordanian

## REFERENCE

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- **Prof. Abbas Ijam - "Mutah University"**  
Professor in Civil and Environmental Engineering (Former MSc Supervisor)  
azijam@yahoo.com
- **Dr Jonathan Bridge - "Sheffield Hallam University"**  
Senior Lecturer in Physical Geography  
J.W.bridge@shu.ac.uk

## DISSERTATIONS & THESES

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- **Hydrologic, hydraulic and structural design of a dam on the Yarmouk River, Jordan.**  
Graduation Project - Civil Engineering BSc, Mutah University, 2004.  
Supervisor: Prof. Abbas Ijam
- **Water and sediment yeild for the Wala dam catchment area.**  
Master thesis, Water and Environmental Engineering, Mutah University, 2007.  
Supervisor: Prof. Abbas Ijam.

- **Robust hydrologic modeling for land and water management in data-scarce Environments**

PhD thesis, University of Liverpool, 2017.

Supervisors: Dr Jonathan Bridge & Dr Neil Macdonald.

## CONFERENCES

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- **European Geosciences Union EGU**  
Vienna, Austria, 2009.
- **Soil and Water Assessment Tool (SWAT) Conference**  
Toulouse, France, 2013.
- **European Geosciences Union EGU**  
Vienna, Austria, 2016
- **European Geosciences Union EGU**  
Vienna, Austria, 2019.

## MEMBERSHIPS

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- Member of the Jordanian Engineers Association since 2004.
- Member of several committees at university and departmental levels (e.g. the ABET committee, Department Representative at the Faculty Committee, syllabus committee and others).

## HONORS & AWARDS

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- **2nd place, Postgraduate Poster Competition**  
University of Liverpool, 2014.
- **3rd place, Postgraduate Poster Competition.**  
School of Engineering, Liverpool University, 2014.
- **UK-Jordan Researcher Link Workshop**  
Partner and local coordinator of the Newton-Khalidi funded workshop in collaboration with Sheffield Hallam University and presence of participants from several UK and Jordan academic institutions (e.g. Oxford University).
- **eMaster in Water Resources Engineering**  
Partner and local coordinator of the winning project proposal to be funded by ERASMUS PLUS (€924K award).

## CERTIFICATES

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- **Groundwater Modelling**  
Prince Faisal Center for Dead Sea, Environmental and Energy Research, Jordan, 2007.
- **Environmental System Modelling**  
UNESCO-IHE, Delft, Netherlands, 2008.
- **Technical Course on Wastewater Treatment and Disposal of Urban Solid Waste**  
Hydroaid Distance Learning on Sanitation
- **Design of Sewer Networks Using SewerCAD**  
The Engineer's Training Center, Jordan, 2009
- **Highway Maintenance**  
Al-Janoub Center for Training, Jordan, 2009.

- **Land Development**  
The Engineer's Training Center, Jordan, 2009.
- **English Communication Skills**  
The National Training Center, Jordan, 2010.
- **Technical Course on Urban Waste Recycling**  
Hydroaid Distance Learning on Sanitation, Italy, 2010.
- **Energy, Environment and Sustainable Development**  
Oslo University, Norway, 2011.
- **Soil and Water Assessment Tool (SWAT) workshop**  
Paul Sabatier University, France, 2013.

## **COURSES TAUGHT**

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- Hydrology
- Water Resources Engineering
- Hydraulics
- Numerical Methods
- Mechanical Engineering - Statics
- Air and Industrial Pollution