Full Name:	Dima.A Husein Malkawi
Date of Birth:	April, 23, 1992
Place of Birth:	United States of America
Nationality:	Jordanian/American
Present Position:	Assistant Professor, Department of Civil and Environmental Engineering, German Jordanian University, Amman, JO
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EDUCATION

Bachelor of Civil Engineering, GPA: very good, August 2015
Jordan University of Science and Technology
M.A., Civil Engineering Specializing in Geotechnical, GPA: 4.0
The University of Akron, Akron, Ohio
Thesis Title: Reliability-based analysis of energy piles
Doctor of Philosophy in Geotechnical Engineering, GPA: 3.93
Dissertation Title: Soil-Pile Interaction of Geothermal Foundation Subjected To Temperature Cycling

EXPERIENCE

Jordan University of Science and Technology, June-August, 2015.
construction trainee.
Jordan University of Science and Technology in corporation with The University of Washington, Seattle, August 2014
Engineering water cycle program
Ph.D Research at Lehigh University, 2018-2019

The University of Akron, *Teaching Assistant,* 2016-2019

Fahad Bin Sultan University, Adjunct Professor (2020)

PUBLICATIONS

Published

- Malkawi, A. I. H., Shatnawi, E., & **Malkawi, D. A. H.** (2017). A comparative study of physical and chemical properties of different pozzolanic materials used for roller compacted concrete RCC dams. In *MATEC Web of Conferences* (Vol. 120, p. 02025). EDP Sciences.

- Fayez Abdulla, **Dima A. H Malkawi** (2020) Potential impact of climate change on the drought conditions in Jordan, Jordan Journal of Civil Engineering, Volume 14, No. 1, 2020,108-116.
- **Husein, D.,** Suleiman, M. T., Elzeiny, R. (2021). Investigation of Soil-structure Interface Properties under Temperature Cycles and Different Operation Time of a Ground Source Heat Pump. In *IFCEE 2021*
- Elzeiny, R., **Husein, D.,** Suleiman, M. T. (2021). Investigation of Thermal Loading Effects on Behavior of Energy Piles Subjected to Lateral Loading. In *IFCEE 2021*.

- Reliability-based analysis of energy piles: a case study Dima Husein & Zhe Luo, Department of Civil Engineering – University of Akron, Akron, Ohio, USA

Under Publication

- Effects Of Daily Operation Cycles Of Ground Source Heat Pumps On Soil-Pile Interaction Of Energy Piles. (2021)

- Stability Analysis of the New Section in Raising The Existing Composite Wala Dam (2021)

Projects

- Stability Analysis of the above Ground Slopes for the Stacking of Phosphogypsum in Aqaba. (2020)

- Stability Analysis of the New section in Raising the Existing Composite Wala Dam (ongoing project, expected to finish in March 2021)

Supervised Master Thesis's

- The Efficiency Of Granular Pile Anchor (Gpa) Foundation System In Improving The Pullout Resistance Of Irbid Expansive Clayey Soil: An Experimental Investigation, Amani Mousa Mohammad Al-Masoud (2020)
- The Efficiency Of The Granular Pile Anchor Foundation System In Reducing The Heave Of Irbid Expansive Clayey Soil: An Experimental Investigation, Ahmad Odeh Ahmad Alsuqaier (2020)

- The Effect Of Using Alkali-Resistant Glass Fibers And Portland Cement On The Geotechnical Properties Of Highly Expansive Soil, Hadeel Nayef Al Zghool (2020)

COMPUTER SKILLS

Microsoft Office Software (Word, Excel, Access, PowerPoint, etc.)
Proficient with Microsoft Windows 98, XP Home/Professional, and Vista
AutoCad program,
Etabs program,
Ensoft Shaft software,
Ensoft LPile software,
Ensoft Group software,
Thermo Pile software,
PlAXIS 2D

INTERPERSONAL SKILLS

Languages: Arabic, English

RESEARCH INTEREST

Soil-Structure Interaction
Geothermal Foundations
Slope Stability

TECHNICAL JOURNAL REVIEWER

Journal of Geotech. and Geoenvironmental Eng