

Hussien Hamdan Dabwan Aldeeky

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Civil Engineering Department
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Citizenship

Jordanian

EDUCATION:

- 08/94-01/97 **M.Sc. in Civil Engineering-** Jordan University of Science and Technology (JUST), JORDAN. Major: Civil Engineering, Minor: Geotechnical Engineering
- 1989-1994 **B.Sc. in Civil Engineering,** Jordan University of Science and Technology (JUST), JORDAN. Major: Civil Engineering, Minor: Geotechnical Engineering

ACADEMIC EMPLOYMENT:

- 1/2017- *PRES* (Tutor.) **The Hashemite University,** Department of Civil Engineering, P.O. Box 150459, Zarqa 13115, Jordan.
- 1/2013-1/2017 (Assistant Tutor). **The Hashemite University,** Department of Civil Engineering, P.O. Box 150459, Zarqa 13115, Jordan.
- 11/2011-1/2013 (Lecture) **The Hashemite University,** Department of Civil Engineering, P.O. Box 150459, Zarqa 13115, Jordan.
- 10/2002-09/2011 (lab supervisor). **The Hashemite University,** Department of Civil Engineering, P.O. Box 150459, Zarqa 13115, Jordan.
- 06/1999-10/2002 **Technical Manager** for soil and construction material lab. Lotus for soil and construction material tests. **ABU DHABI, U.A.E**
- 9/1994-06/1997 (Teaching Assistant). **Jordan University of Science and Technology,** Department of Civil and Environmental Engineering, Irbid, Jordan.

MEMBERSHIP:

- Jordan Association of Civil Engineers (JEA)

COURSES TAUGHT AT THE HASHEMITE UNIVERSITY

1) Geotechnical Engineering	9) Computer engineering drawing / Auto-CAD
2) Geotechnical Engineering laboratory	10) Graduated Project 1
3) Foundation engineering	11) Graduated Project 2
4) Engineering geology	12) Engineering Mechanics
5) Engineering geology laboratory	13) Building Construction
6) Statics	14) Construction Method
7) Engineering Highway laboratory	15) Engineering Training
8) Engineering drawing / Manual	16) Introduction to physical geology

RESEARCH AREAS OF CURRENT INTEREST

- Shallow and deep foundation
- Soil improvement
- Concrete mix design improvement
- Modified Asphalt

RESEARCH PUBLICATIONS:

1-Hussein Aldeeky, Omar Al Hattamleh & Samar Rababeh. (2020)."

Assessing the uniaxial compressive strength and tangent Young's modulus of basalt rock using the Leeb rebound hardness test". *Materiales de Construcción*. Vol. 70(340), e230

<https://doi.org/10.3989/mc.2020.15119>

2-Samer Rababah, Hussein Aldeeky, Hisham Qasrawi, Omar Al Hattamleh. (2020)

"Performance of subgrade soil stabilised with by-product recycled mill scale and cementitious materials". *International Journal of Pavement Engineering*.

<https://doi.org/10.1080/10298436.2020.1766686>

3-Omar Al Hattamleh, Hussein Aldeeky, Samar Rabab'ah, Madhar Taamneh. (2020)" The effect of Dead Sea salt solution on the engineering properties of expansive subgrade clayey soil. *Arabian Journal of Geosciences*. volume 13 (405). <https://doi.org/10.1007/s12517-020-05364-0>

4-Wasim Barham, Samer Rababah, **Hussein Aldeeky**, Omar Al Hattamleh. (2020)"Mechanical and Physical Based Artificial Neural Network Models for the Prediction of the Unconfined Compressive Strength of Rock" , *Geotechnical and Geological Engineering*. 38 (5), 4779–4792 <https://doi.org/10.1007/s10706-020-01327-0>

5--Samar Rababah, Omar Al Hattamleh, **Hussein Aldeeky**, Mohammad Aljarrah, Husam AlQablan (2020)" Resilient Response and Permanent Strain of Subgrade Soil Stabilized with by Product Recycled Steel and Cementitious Materials"", *ASCE's Journal of Materials in Civil Engineering*. volume 32(6), 04020139, [https://doi: 10.1061/\(ASCE\)MT.1943-5533.0003211](https://doi: 10.1061/(ASCE)MT.1943-5533.0003211).

6-Omar Al Hattamleh, Samer Rabab'Ah, **Hussein Aldeeky** & Husam Al Qablan (2020)" Evaluating Aqaba marine sand geotextile interface shear strength". *International Journal of Geotechnical Engineering*, volume 14(5), 545–556. <https://doi: 10.1080/19386362.2019.1651985>

7-Omar Al Hattamleh, Samer Rababah, Hussien **Aldeeky**, Hazim Dwairi (2020) " Effect of Compaction States in Compressive Strength and Volume Change of Elastic Silts Modified by Discontinuous Synthetic Fiber". *ARP Journal of Engineering and Applied Sciences*, 15(21), PP.2431-2443

8-Bilal Abu Alfoul ,Omar AlHattamleh, **Hussein Aldeeky** (2019) " Investigating the effects of Disc Shaped Thumb Tacks as A “Fiber” Reinforcement on Various Concrete Properties". *Case Studies in Construction Materials*. 11(2019) <https://doi.org/10.1016/j.cscm.2019.e00257>

9- **Hussein Aldeeky**, Omar Al Hattamleh (2018) "Prediction of Engineering Properties of Basalt Rock in Jordan Using Ultrasonic Pulse Velocity Test ". *Geotechnical and Geological Engineering*. 36(6), PP 3511–3525, <https://doi: 10.1007/s10706-018-0551-6>.

10-**Hussein Aldeeky**, Omar Al Hattamleh (2017)" Experimental study on the utilization of Fine Steel Slag on Stabilizing High Plastic Subgrade Soil". *Advances in Civil Engineering*, Volume 2017 (2017), Article ID 9230279, 11 pages; <https://doi.org/10.1155/2017/9230279>.

11-**Hussein Aldeeky**, Omar Al Hattamleh, Bilal Abu Alfoul (2016)." Effect of Sand Placement Method on the Interface Friction of Sand and Geotextile". *International Journal of Civil Engineering*, 14(2), PP133-138 <https://doi: 10.1007/s40999-016-0019-0>.

12-Omar H. Al-Hattamleh, Odeh A. Odeh, Hussein **Aldeeky**, M.N. Akhtar (2015) "Characterizations of Soil Collapsibility: Effect of Salts Dilution" *Journal of Materials and Engineering Structures*, 2, pp 33–43.

13- Omar H. Al Hattamleh, **Hussein H. Aldeeky**, Mohammad N. Akhtar. (2013). " The Consequence of Particle Crushing in Engineering Properties of Granular Materials" *International Journal of Geosciences*, 4, pp 1055-1060. <https://doi: 10.4236/ijg.2013.47099>.

14- Ahmed Shlash Alawneh, Abdallah., I. Hussein Malkawi, Hussein **Aldeeky**. (1999) "Tension Tests on Smooth and Rough Model Piles in dry Sand". *Canadian Geotechnical Journal*, 36(4): pp 746-753. [https:// doi.org/10.1139/t98-104](https://doi.org/10.1139/t98-104).

UNIVERSITY ACTIVITIES

Departmental Activities

- Member of the Lab Committee, CE Department.
- Member of the ABET accreditation committee, CE Department.
- Member of the student Examination Committee.