

# HADEEL N. AL-ZGHOOL

Civil Engineer  
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## PROFILE

Civil Engineer, with a big interest in laboratory work of (soil, pavement and concrete), building materials development and technology, synthetics materials in concrete reinforcement or soil stabilization, slop stability analysis and green buildings.

A quick learner, can absorb new ideas, can communicate clearly and effectively with people from all social & professional backgrounds. Well mannered, articulate and fully aware of diversity & multicultural issues. Flexible and able to adapt to challenges when they arise at the same time remaining aware of professional roles & boundaries.

## EDUCATION

Jordan University of science and technology, Irbid-Jordan  
2017 – 2019      Master's degree

- Cumulative Average Rank: **Excellent** 3.76/4
- Master Thesis: Stabilization of highly expansive soil using alkali resistant glass fibers.
- Thesis overview: Experimental study to investigate the effect of using AR-glass fibers and ordinary Portland cement on the geotechnical properties of highly expansive soil for use as a pavement subgrade material.

A series of laboratory tests were conducted such as: (unconfined compressive strength, free swell, California bearing ratio CBR, compaction (standard/ Harvard miniature), XRD and SEM images).

The tests results indicated that the soil was stabilized with the lowest value of free swell and shear strength of soil was increased to a high value.

Hashemite University, Zarqaa-Jordan  
2010 – 2015      Bachelor degree

- Cumulative Average Rank: **Very good**
- Graduation Project: (Glass Fiber-Reinforced Concrete) Properties and design and comparison with RC.  
Project degree: (A+)

Project overview: studying the effect of adding Alkali resistance (AR) glass fiber to the cement based on mix design with different ratios to achieve final products with high flexural and tensile strength imparted by the fibers compared with normal concrete, after a set of laboratory tests during projects 1 & 2.

Anjara high school for girls, Ajloun-Jordan

August 2010 The General Secondary Education Certificate

- Average %: **94.7**
- Scientific stream

## **EXPERIENCE**

Jordan University of science and technology, Irbid / Jordan

**Teaching assistance in civil engineering department** During the MSc program

Malik Alsmadi Contracting Co., Ajloun / Jordan

**Site Civil Structural and QS Engineer** September 2018 – February 2020

Atyaf Alhandasah Office, Amman / Jordan

**Site Civil Structural Engineer** April 2017 – August 2018

Khalid and Faisal Mayyat Contracting Co., Amman / Jordan

**QS Engineer** July 2016 – April 2017

Malik Alsmadi Contracting Co., Ajloun / Jordan

**QS Engineer** March 2016 – July 2016

AI Suroor for contracting, Ajloun / Jordan

**Site Civil Structural Engineer** October 2015 – March 2016

Sabeel alhandasah, Engineers and consultants, Amman / Jordan

**QS Engineer** March 2015 – October 2015

## **SKILLS**

- Applications: AutoCAD 2D, Word, Excel, PowerPoint, Outlook
- Applications in planning and scheduling: Primavera P6
- Applications in structural Engineering: SAP, Etabs and PROKON software
- Quantities surveying certificate

## **HOBBIES AND INTERESTS**

- Volunteering for local community
  - Founder of blood donation campaigns / King Hussein cancer center / Amman-Jordan since 2011 till now.
  - Volunteer In Zaatri Camp / Save the children – Jordan / February 2013

## **LANGUAGES**

- Arabic: Mother language
- English: very good in writing and speaking

## **REFERENCES**

- Available upon request
- Recommended by:

**Eng. Hisham Qasrawi**, Tutor at Civil engineering department, Hashemite university  
0799770092 / office: 05-3903333 extension (4582)

**Eng. Ziad Hannoun**, Civil engineering Technician  
Jordan Mounds Industrial Co.  
0799759090