



# Rowad Esameldin Farah

Civil Engineer (Geotechnical Engineer)| United Arab Emirates

E: [rwad\\_farah@yahoo.com](mailto:rwad_farah@yahoo.com) | M: +971 58 613 3538

## Profile:

An enthusiastic and highly motivated individual who has a clear understanding of the role and responsibilities associated with being a civil engineer. I possess a broad range of technical, personal and leadership skills. Moreover, I use rigorous logic and methods to come up with effective solutions to difficult problems. I am currently looking for a teaching opportunity with a prestigious academic institution.

## Area of Interest

Ground Improvement Tech	Foundation Design	Experimental Soil Mechanics	Ground Investigation
ASTM Standards	Bs Standards for Soil	Geotechnical Design	Academic Researcher

## Computer Skills

Geo5 Software	Allpile Software	Plaxis 2D Software	Deep Soil Software
Novo CPT Software	Seismo signal Software	MS office	

## Educational Background

### Doctor of Philosophy in Civil Engineering

*Eastern Mediterranean University | North Cyprus*

**Oct/2015–Aug/2020**

- CGPA: 3.76/4.00
- Specialization: Geotechnical engineering
- Thesis title: Behaviour of Single and Group of Geotextile Encased Stone Columns in Single-Layered and Layered soil.
- Supervised by: Prof. Dr. Zalihe Nalbantoglu

### Master of Science in Civil Engineering

*Eastern Mediterranean University | North Cyprus*

**Sep/2013– Aug/2015**

- CGPA: 3.90/4.00
- Specialization: Geotechnical engineering
- Thesis title: Performance Evaluation of Problematic Soils Reinforced with Plastic Wastes.
- Supervised by: Prof. Dr. Zalihe Nalbantoglu

### Bachelor of Science in Civil Engineering

*University of Khartoum | Sudan.*

**Nov/2006 – Aug/2011**

- Thesis title :Design of flyover in ALMOASSASA intersection, Bahri area

## Work Experience

### Geotechnical Engineering Consultant, Freelancer| Sudan

**Mar/2021-Present**

*Projects:*

- Retaining Wall Stability Check for Rida Mining Company Pump Station at River Nile State and Geotechnical Investigation Proposal for Designing Offshore Pile Foundations
- Geotechnical Investigation Proposal for Sharg El Nile Project (Tender Design).

### Assistant Professor, Civil Engineering Department

*Hikma College of Science and Technology | Khartoum, Sudan*

**Dec/2020-Present**

*Courses Instructed:*

- Soil Mechanics-I
- Soil Mechanics-II
- Soil Mechanics-III
- Foundation Engineering.

*Duties assigned:*

- Graduation projects coordinator

### Geotechnical Engineer, Freelancer

*Engineering Services & Design Company | Khartoum, Sudan*

**Nov/2020-Present**

*Duties and Tasks:*

- Field Work Supervision, Soil Sampling, Lab & Field Data Analysis & Interpretation, Geotechnical Engineering Designs, Providing Foundations Recommendations and Solutions.

## Lab Instructor, Civil Engineering Department

Eastern Mediterranean University | North Cyprus

Oct/2015- Sep/2020

### Courses Instructed:

- Soil Mechanics
- Materials of Construction

### Laboratory Experience:

- Soil mechanics and concrete testing according to ASTM standard (American Society for Testing and Materials).

## Ph.D Research Assistant, Civil Engineering Department

Eastern Mediterranean University | North Cyprus

Oct/2015- Sep/2020

### Courses Assisted:

- Soil Mechanics
- Deep Foundation
- Earth Retaining Structures
- Foundation Engineering
- Ground Improvement Techniques
- Materials of Construction

### Duties assigned:

- Graduation projects committee member
- ABET Accreditation committee member
- Graduate students' committee member

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## Research Experience

### Graduation Projects supervised:

1. Thesis title: Effect of Fine Grained Soil on Shear Strength of Sand.

### Projects during PhD Program:

1. The Utilizing of Rice Husk Ash as Cement Replacement Material.
2. Fresh and Hardened Properties of FRC made with Polymer Fibers.
3. Use of High strength concrete in Construction Industry.

### Projects during Master's Program:

1. Physical and Engineering Properties of Expansive Soils.
2. Stabilization of Expansive Soils by Using Marble Powder.
3. The Effect of Relative Density on Shear Strength of Different Types of Sands.

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## Memberships

Sudan Engineering Society (Full Member)

Sudanese Engineering Council (Civil Engineer Specialist)

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## Publications

### Journal papers:

1. Farah, R. E., & Nalbantoglu, Z. (2020). Behavior of Geotextile Encased Single Stone Column in Soft Soils. Arabian Journal for Science and Engineering. (Science citation index- Expanded).<https://doi.org/10.1007/s13369-019-04299-3>
2. Farah, R. E., & Nalbantoglu, Z. (2019). Performance of plastic waste for soil improvement. SN Applied Sciences, 1(11), 1340. (Emerging sources citation index). <https://doi.org/10.1007/s42452-019-1395-2>

### Conference papers

1. Farah, R. E., & Nalbantoglu, Z. (2020). Performance of Encased Single Stone Column in Layered Soil. IOP Conference Series: Materials Science and Engineering, 800, 012015. doi:10.1088/1757-899X/800/1/012015

### Attended Conferences:

1. 5th International Conference on New Advances in Civil Engineering. (2019). (Kyrenia, Cyprus).
2. 4th Intl. Conf. on Soil Mech. & Geot. (2016). International Society for Soil Mechanics and Geotechnical Engineering. (Nicosia, Cyprus).

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## Trainings

### Geotechnical Engineer

Engineering Services & Design Company | Khartoum, Sudan

Aug/2014-Sep/2014

### Site Engineer

Style Company for construction| Khartoum, Sudan

Jul/2011-Aug/2011

### 10 days site visit

National Company for construction and development | Egypt

Jul/2010

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## Scholarships and Awards

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Governmental scholarship for outstanding International students  
Turkish Republic of Northern Cyprus government | North Cyprus

Sep/2014-Aug/2015

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## Languages

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- Arabic (Native)
  - English (Fluent)
  - Turkish (A2)
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## References

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Prof. Dr. Zalihe NalbantogluSezai

Prof. Dr. Huriye Bilsel

Prof. Dr. Özgür Eren

Faculty of Engineering

Faculty of Engineering

Faculty of Engineering

Department of Civil Engineering

Department of Civil Engineering

Department of Civil Engineering

Eastern Mediterranean University

Cyprus International University

Eastern Mediterranean University

[zalihe.nalbantoglu@emu.edu.tr](mailto:zalihe.nalbantoglu@emu.edu.tr)

[hbilsel@ciu.edu.tr](mailto:hbilsel@ciu.edu.tr)

[ozgur.eren@emu.edu.tr](mailto:ozgur.eren@emu.edu.tr)

+903926301320

+903926711111

+903926301098

Asst. Prof. Dr. Eriş Uygur

Faculty of Engineering

Department of Civil Engineering

Eastern Mediterranean University

[eris.uygar@emu.edu.tr](mailto:eris.uygar@emu.edu.tr)

+903926301326