

Assist. Lecturer: Rusul Salman Hussein

Department of Civil Engineering

Email: [rusol.salman@alfarabiuc.edu.iq](mailto:rusol.salman@alfarabiuc.edu.iq)



### **Education:**

MSc, University of Baghdad, 2012

BSc, University of Baghdad, 2009

### **Profile:**

- Worked in Soil laboratory in CEBL in University of Baghdad from 2012-2015.
- Teaching engineering drawing and engineering analysis in the Petroleum Department and Survey Department at the College of Engineering , University of Baghdad from 2012 to 2015.
- Teaching the constructing building for the year 2016 in the Department of Civil Engineering, Al-Farabi University College.
- Now a teacher in the Department of Civil Engineering, Al-Farabi University College (Engineering Analytics - Engineering Drawing - Soil Mechanics)

### **Teaching**

- Engineering analysis-Third stage-Civil Engineering
- Engineering drawing-First Stage-Civil Engineering
- Soil Mechanics-Third Stage-Civil Engineering

### **Research Focus**

In the field of soil and foundation engineering: (laboratory and theoretical studies)

### **Publications**

1- Numerical simulation of a single pile under the combined effects of axial and lateral loading in liquefiable soil Numerical simulation of a single pile under the combined effects of axial and lateral loading in liquefiable soil. March 2021IOP Conference Series Materials Science and Engineering 1067(1), DOI: 10.1088/1757-899X/1067/1/012026.

2-Experimental and Numerical Analysis of Laterally Loaded Pile Subjected to Earthquake Loading. January 2021, DOI: 10.1007/978-981-15-9399-4\_25. In book: Modern Applications of Geotechnical Engineering and Construction.

3- Bearing Capacity of Shallow Footing on Compacted Dune Sand Underlain Iraqi Collapsible Soil. February 2013. Conference: The First International Conference for Geotechnical Engineering and Transportation (ICGTE 2013) At: BAGHDAD-IRAQ Projects: Improving Difficult Soils For Foundation Purposes Aeolian Soils: Properties, Behavior, Improvement, and Use in Civil Engineering.

4-Prediction of Square Footing Settlement under Eccentric Loading on Gypseous Soil through Proposed Surface for Dry and Soaked States May 2018 Conference: 1st International Conference for Geotechnical Engineering and Transportation: Iraq Volume: 31 part(A), No.20 Project: Improving Difficult Soils For Foundation Purposes.