

Khlood Mohammed Mohammed Ali

M.D in Civil Engineering

Structural Engineering

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Education

M.Sc. in Civil Engineering 2024

Tanta Faculty of Engineering, Tanta University, Egypt.

Thesis: “Behaviour of swelling soil stabilized with geofoam and sand”

Major: Soil Mechanics; **Minor:** Problematic soil (Swelling soil)

B.Sc. in Civil Engineering 2012

Faculty of Engineering, Mansoura University, Egypt.

Graduation project: Steel structure.

Academic Experience

Teaching Assistant

Higher Institute of Engineering & Technology, New Damietta, Egypt.

List of courses:

- land surveying.
- Geology and Soil Mechanics
- Foundation Engineering
- Soil Mechanics
- Economic Engineering
- Building Construction
- Project management and control
- Surveying

- Civil Drawing
- surveying tools including total stations.
- concrete.
- Soil mechanics and foundations.

Other Experience:

- Prepare teaching materials, maintaining, and improving competence in subjects being taught.
- Develop and deliver courses to both undergraduate and graduate students.
- Prepare class activities, quizzes, assessments, and exams.
- Evaluate, monitor, and mentor student academic progress.
- Supervise and assist students in all aspects related to the courses.
- Be strongly committed to teaching excellence, and student advising at undergraduate levels.
- Guide, lead and mentor students in research projects.
- Significantly contribute to the advancement of research activities and publish research findings in refereed journals.
- Serve and support functional activities of departmental committees.
- Participate in departmental and college meetings and activities.
- Undertake any other duties as may be directed by the Head of Department.
- Passionately supporting the college and departmental wide activities and services with a spirit of leadership, commitment, accountability, and collegiality.
- Engage actively in promoting the growth of the university and participate in strategic activities and events.

**Research
Focus Areas**

- Problematic soil.
 - Swelling soil stabilizers.
 - Swelling pressure.
 - Expanded polystyrene and sand.
 - Soil tests.
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Publications	<ul style="list-style-type: none"> Sakr, M. A., Nazir, A. K., & Ali, K.H.M. (2022). Swelling soil improved with geofoam and sand. International Journal of Innovative Science, Engineering & Technology, Vol. 09 Issue 12. <p>URL: www.ijiset.com</p> <ul style="list-style-type: none"> Sakr, M. A., Sawaf, M. A., Nazir, A. K., & Ali, K.H.M. (2024). Swelling soil improved with sand. Journal of Engineering Research (ERJ) ISSN: 2735-4873 Vol. 8 – No. 1, 2024 ©Tanta University, Faculty of Engineering
Computer Skills	<p>1- Engineering Drawing Programs: AutoCAD.</p> <p>2- Primavera.</p> <p>3- ICDL</p>
Languages	Arabic, English.
Academic Profiles	<ul style="list-style-type: none"> Google Scholar: https://scholar.google.com/citations?view_op=list_works&hl=ar&authuser=2&user=1z2x4fyaaaaj&gmla=ah70aavakrahnjwk_1wzyuzqhluxpbghtqetjbm7xzv7wj676f5zhcseve2pscrtyle_luhybo5jtlmj9zpy14c8uxl0ptaw4dudecuzzynl8td63ncxaaux7br5aus_ypoa0n9nc8bffczhq3jiemw4jmaacu Scopus: https://www.scopus.com/authid/detail.uri?authorId=57204906256 Web of Science: https://www.webofscience.com/wos/author/record/JUF-4188-2023 Sci Profile: https://sciprofiles.com/profile/2700923 ORCID: 0009-0004-8780-2205

**Academic
References**

Dr Mohamed Al ghareb. Sakr, Professor

Professor of Geotechnical Engineering - Tanta University, Egypt.

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Dr Mostafa Abd. Elateef-Sawaf, Professor

Professor of Geotechnical Engineering - Tanta University, Egypt.

Email: mostafa.elsawwaf@f-eng.tanta.edu.eg Phone: +201006814464

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Professor of Geotechnical Engineering - Tanta University, Egypt.

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