

Engy Khalil

Engy Mohamed El Sayed Khalil

Graduated from the Faculty of Engineering,
Alexandria University
Civil Engineering Department, year 2005

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EDUCATION

PhD in Irrigation Engineering and Hydraulics, Faculty of Engineering, Alexandria University, Dec. 2021.

MSc. in Irrigation Engineering and Hydraulics, Faculty of Engineering, Alexandria University, Oct. 2014.

B.Sc. in Civil Engineering, Alexandria University, 2005.

EXPERIENCE

Higher Institute of Engineering and Technology- King Mariot as Assistant Professor

December 2021 - Present

Higher Institute of Engineering and Technology- King Mariot as Teaching Assistant

September 2016 - December 2021

Mancrew of Steel Structures Technical Office as Tendering, Contracting and Cost Estimation Engineer, part time

January 2019 - September 2020

ECO Engineering Consultancy as Design Engineer as part time

Design culverts in El Mahmoudia developing project in Alexandria governorate

Design of irrigation network in El Lahoun greenhouse project in El Fayoum governorate

Design of lake weirs in El-Alamin Lake project

December 2018 - January 2021

September 1983

SKILLS

Presentations

Teaching

Microsoft Office & Windows Tools

Matlab

Epanet

AutoCad

Primavera

WaterCad

LANGUAGES

Arabic: Native.

English: Very Good.

Faculty of Engineering, Alexandria University, Irrigation Engineering and Hydraulics Department as Part Time Assistant Lecturer

September 2016 - January 2019

Mancrew of Steel Structures Technical Office as Tendering, Contracting and Cost Estimation Engineer

August 2014 - September 2016

Worked as Tender and Cost Estimation Engineer in the technical office, including the preparation of agreement documents and agreement contract, then the head of this department

Higher Institute of King Mariot as Technical office Engineer

August 2007 - May 2014

Worked as Maintenance Engineer in the Engineering Department for three years, in Higher Institute of King Mariot buildings, and as Technical office Engineer in the Engineering Department, during the construction of Higher Institute of Engineering and Technology.

PUBLICATIONS

Abdelrazek A. M., **Khalil E. M.**, El-Fitany F. A., Abourohiem M. A., (2020). Reducing energy consumption in pressurized irrigation networks using neural networks- SOMS clustering technique. Proceedings of the 22nd IAHR-APD Congress 2020, Sapporo, Japan.

Engy M. Khalil, Farouk A. El-Fitany, Mohammed A. Abourohiem , and Ahmed M. Abdelrazek. Economic Assessment of Using Booster Pumps and Hydrant Sectoring in Pressurized Irrigation Networks (Case Study: Kostol Area, Egypt). KSCE Journal of Civil Engineering, 2023.

WORKSHOPS

Attended “State of the Art Curriculum Workshop, 2022-2023” which was two parts workshop during June 2022, and Feb. 2023, it was hosted by Alexandria University and organized by Utah State University as a part of the Center of Excellence for Water program, the center is USAID-funded project to establish a Center of Excellence for Water at Alexandria University – Egypt. The project is managed by The American University in Cairo (AUC) and has multiple partnerships and stakeholders

HOBBIES

Travelling

Reading

Music

Cinema

Driving License: Valid

(Universities, Public Institutions, and Industries).

TEACHING COURSES

Design of Irrigation Structures I (Teaching assistant)
Design of Irrigation Structures II (Teaching assistant)
Design of Irrigation Work (Teaching assistant)
Hydraulics (Teaching assistant)
Fluid Mechanics (Teaching assistant)
Design of Steel Structures I (Teaching assistant)
Design of Steel Structures III (Teaching assistant)
Structure Theory IV (Teaching assistant)
Design of Irrigation Work (Assistant Professor)
Feasibility Study and Project Management (Assistant Professor)
Technology of Road Construction (Assistant Professor)
Civil Drawings (Assistant Professor)
Quantities and Specifications (Assistant Professor)
Sanitary Engineering (1) (Assistant Professor)
Graduation Project (Project management) (Assistant Professor)

CURRENT PROGRESS

Attend and study BIM diploma for 12 months, which started at July 2023 with Niqat Global includes the following content:

BIM MANAGEMENT
BIM IMPLEMENTATION
AUTODESK REVIT (STRUCTURAL)
AUTODESK REVIT (FAMILIES CREATION)
AUTODESK DYNAMO FOR REVIT
AUTODESK RECAP PRO
AUTODESK NAVISWORKS MANAGE
SOLIBRI OFFICE
AUTODESK ROBOT STRUCTURAL ANALYSIS
AUTODESK BIM 360
TRIMBLE TEKLA STRUCTURES
AUTODESK ASD
NAVIATE AND SOFISTIK
MICROSOFT EXCEL
ORACLE PRIMAVERA P6 PROFESSIONAL
MICROSOFT PROJECT
BENTLEY SYNCHRO 4D
AUTODESK CONSTRUCTION CLOUD
AUTODESK PLANGRID
PROGRAMMING FOR BIM