

Ahmed Fouad

Assistant Professor of Structural Engineering, Civil Engineering Department, Assiut University, Egypt

Personal Information

Full Name : Ahmed Fouad Abdullah Gad
Date of Birth : May, 29, 1989
Academic Position : Assistant Professor, Civil Engineering Department,
Assiut University, Egypt.
Nationality : Egyptian
Religion : Islam
Military Service : Finished
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Education

2016 –2023 Doctor of Philosophy in Civil Engineering (Structural Engineering)

Assiut University, Egypt

Major: Structural Engineering (Grade: 91%)

Dissertation Topic: “Effect of Elevated Temperatures on Concrete Properties Containing Metakaolin and Prediction of its Compressive Strength Using Artificial Intelligence”

2012 – 2015 Master of Applied Science in Civil Engineering

Assiut University, Egypt

Major: Structural Engineering (Grade: 94%)

Thesis Title: “Performance of Elevated Temperature Resistant Concrete Using Non-Traditional Materials”

2006 – 2011 Bachelor of Civil Engineering

Assiut University, Egypt

Major: Civil Engineering (Distinction with Honor - Grade: 87 % which is equivalent to 3.3 GPA scale).

Graduation Project

Title: Structural Design of Special Buildings

Project Evaluation: Distinction

RELEVANT EMPLOYMENTS

2024 – Present Assistant Professor in Civil Engineering Department (Full time)

Faculty of Engineering, Assiut University, Egypt

2016-2023 Lecturer Assistant in Civil Engineering Department (Full time)

Faculty of Engineering, Assiut University, Egypt

2012-2015 Teaching Assistant, in Civil Engineering Department (Full time)

Faculty of Engineering, Assiut University, Egypt

TEACHING EXPERIENCE

- Properties and strength of engineering materials
- Theory of structures
- Design of reinforced concrete structures
- Design of steel structures
- In Addition, supervision on the graduate projects of undergraduate students

RESEARCH INTERESTS

Application of artificial intelligence in structural engineering, and using environmentally friendly materials in concrete technology.

PUBLICATIONS

- 1- **Ahmed F. Abdullah**, Mohamed M. Rashwan. " Effect of Raw Materials on the Mechanical Properties of Concrete Exposed to Elevated Temperatures: A review." *Journal of Advanced Engineering Trends*, vol. 43, 2024.
- 2- **Ahmed F. Abdullah**, Mohamed M. Rashwan. " Effect of Elevated Temperatures on the Properties of Concrete Containing Metakaolin." *Mansoura Engineering Journal*, vol. 48, p. 1-7, 2023.
- 3- **Ahmed F. Abdullah**, Mohamed M. Rashwan and Mohamed K. Nafadi," Effect of Raw Materials on the Performance of Ultra-High-Performance Concrete" *2nd International Conference on Civil Engineering*, Egypt, 2021.
- 4- Mohamed M. Rashwan, Hesham M. Diab and **Ahmed F. Abdullah**," Elevated Temperature Resistance Concrete Using Non-Traditional Materials" *Journal of Engineering Sciences*, vol. 42, p. 1367 – 1377, 2014.

SKILLS

- Design of structures, buildings, bridges (Steel and RC) and other structures types using Computer Aided Design programs such as AutoCAD ,Structural Analysis Software (SAP 2000) ,and Statistics program (SPSS).
- Teaching