

# Ahmed Badr El-Deen Mousa

🏠 Home: Damanhour city, sag plaza towers, Abd EL-Salam EL-shazly.

🏠 Home: KafrElsheik, Taqsim alnaqli, Sabry Alqadi Road.

☎ Phone number: +2001025999922

✉ Email Address: Ahmedbadr2831@yahoo.com

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## ❖ POSITION

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Assistant Professor, Civil Engineering Department, Faculty of Engineering, Damanhour University

## ❖ EDUCATION

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**Doctorate of Engineering Philosophy, Civil engineering**, Structural Engineering, Faculty of Engineering - Menoufia University, Menoufia, Egypt, **Sep. 2021**

- **Thesis title:** Structural behavior of thin ferrocement box bridges

**Master of Engineering Sciences, Civil engineering**, Engineering Materials, Faculty of Engineering- Zagazig University, Zagazig, Egypt, **March. 2018**

- **Thesis title:** Using geosynthetics materials to improve sub grade layer for highways

**Bachelor of Civil Engineering, Civil engineering**, Faculty of Engineering- Kafrelsheikh University, Kafrelsheikh, Egypt, **Aug. 2013**

- Excellent with honors 2013

## ❖ WORK EXPERIENCE

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- **Assistant Professor**, Civil Engineering Department, Faculty of Engineering- Damanhour University from **Nov. 2022 - now**.
  - Teaching of study programs for students of the four academic years in the department of civil engineering such as: (Design of reinforced concrete structures - structural analysis - mechanics of materials - construction project management - earthquake and wind engineering - dams and reservoirs)
- **Assistant Professor**, Civil Engineering Department, Higher Institute of Engineering and Technology, KafrElsheik from **Nov. 2021 – Nov. 2022**.
- **Assistant Lecturer**, Civil Engineering Department, Higher Institute of Engineering and Technology, KafrElsheik from **May 2018 – Nov. 2021**.
- **Teaching assistant**, Civil Engineering Department, Higher Institute of Engineering and Technology, KafrElsheik from **Sep. 2013 to May. 2018**.

## ❖ ADMINISTRATIVE ACTIVITY

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- Vice president, Alumni Follow-up Unit, Higher Institute of Engineering and Technology, KafrElsheik
- Board member of Quality Assurance Unit, Higher Institute of Engineering and Technology, KafrElsheik
- Supervising The materials testing and properties laboratory, Higher Institute of Engineering and Technology, KafrElsheik
- Member of the backward control and preparatory band control for the academic year 2021-2022
- Supervisor of student activities and student union elections, Higher Institute of Engineering and Technology, KafrElsheik, for the academic year 2021-2022
- Member of the backward control and First year control, Higher Institute of Engineering and Technology, KafrElsheik, for the academic year 2022-2023

## ❖ GRADUATION PROJECTS FOR BACHELOR'S STUDENTS SUPERVISED

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- Shear Strengthening of Reinforced Sea-Water Sea-Sand Concrete Beams with Aluminum Rods (2022).
- Strengthening of Reinforced concrete Domes (2022)

## ❖ TRAINING COURSES AND WORKSHOPS

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### ❖ Training of the Ministry of Planning and Economic Development and the National Institute for Governance and Sustainable Development:

- \* Training-of-trainers course (TOT) from the Ministry of Planning and Economic Development and the National Institute for Governance and Sustainable Development
- \* Graduating from the second batch of the program (BECOME AN AMBASSADOR) to prepare ambassadors Sustainable Development of the Ministry of Planning and Economic Development

### ❖ Training courses approved by the National Authority for Quality Assurance and Accreditation of Education (NAQAA):

- \* Characterization of programs and courses and evaluation of educational results of colleges and institutes of higher education
- \* Effective Teaching and Learning Strategies for Colleges and Institutes of Higher Education
- \* Strategic planning of colleges and institutes of higher education

### ❖ Training courses approved by the International Centre for Human Resources Management and Continuing Education:

- \* Using databases and managing scientific reference systems and avoiding quotation
- \* Examination and Student Evaluation Systems
- \* International Scientific Publishing
- \* Distance learning
- \* Standards – NARS 2018
- \* Competitive Research Projects
- \* University administration
- \* Organizing scientific conferences
- \* Financial and legal aspects
- \* Time management
- \* Institutional development and management thought development
- \* Self-study preparation skills

## ❖ NATIONAL AND INTERNATIONAL CONFERENCES

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- The International Forum entitled (Towards Green Cities) of the National Center for Housing and Building Research

- the 5th International E-Conference on Advances in Engineering, Technology and Management - ICETM 2021
- Egypt—International Cooperation Forum (Egypt — ICF) and African Ministers of Finance, Economy & Environment Meeting for COP27.
- the 17th United Nations climate change Conference of Youth 17 (COY 17) as a Delegate of (Sharm sheikh).
- The conference of COP 27 in (Sharm sheikh).

## ❖ TRAINING AND COURSES AS A TRAINER IN THE FIELD OF SUSTAINABLE DEVELOPMENT

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- Training seminar entitled "Implementing sustainable development Sustainable Development of future generations" for students of the Faculty of Engineering, College Headquarters at Suez University, 30/12/2022, 78 beneficiaries.
- Training seminar entitled "Sustainable development and transformation into green buildings " for students of the Faculty of Engineering, Damanhour University, 8/3/2023 ,58 beneficiaries.

## ❖ COMMUNITY INVOLVEMENT

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- Member of the Sub-Union of Engineers council by election, KafrElsheik, from **3/2022 till now**.
- Chairman of the Scientific and Training committee, the Sub-Union of Engineers council, KafrElsheik, from **3/2022 till now**.
- Chairman of the Housing Committee, the Sub-Union of Engineers council, KafrElsheik, from **3/2022 till now**.
- Chairman of the Community Service Committee, the Sub-Union of Engineers council, KafrElsheik, from **3/2021 till 3/2022**.
- Member of the Committee for Inspection and Issuance of Construction Safety Reports for Reconciliation Files on construction, the Sub-Union of Engineers council, Kafrelsheikh.
- Co-founder of the "Engineers for Sustainable Egypt" initiative
- Decision of the Scientific and Training committee, the Sub-Union of Engineers council, KafrElsheik, from **2/2020 till 1/2022**.
- Member of the Committee on Appeals against Decisions to Refuse Reconciliation at the Governorate General Office Governor's Decision **No. 728 of 2020**, Kafrelsheikh.
- General Coordinator of Higher Education and Scientific Research by Youth Coalition to Support Egypt, KafrElsheik
- Participation in the Egyptian Government Model of the National Youth Council as Minister of Higher Education and Scientific Research of the government of the shadow of youth batch No.9.
- Secretary of organization at mostaqbal- watan in Bandar Kafrelsheikh from **6/2022**.

## ❖ PUBLICATIONS

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- 1- Using Geosynthetics Materials to Improve Sub grade Layer for Highways.
- 2- Structural Behavior of Ferrocement Composite Light Weight Box Girder.
- 3- Shear behavior of RC pile cap beams strengthened using ultra-high-performance concrete reinforced with steel mesh fabric.
- 4- *Seismic resistance of RC corner eccentric beam column sub-assemblages.*