

## **Assistant Professor in Civil Engineering**

### **Personal Information:**

Name : Ahmed Mustafa Yassin  
Nationality : Egyptian  
Marital Status : Married and have three children  
Place of Birth : Matrouh, Egypt  
Address : Elmanteka El Tebia, F13, B15, Mersa Matrouh,  
Matrouh, Egypt  
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### **Education:**

- **(2014-2021) -** Doctor of Philosophy (Ph.D.) in Structural Engineering from the Structural Engineering Department, Faculty of Engineering, Alexandria University, Alexandria, Egypt.  
Thesis Title: "Punching Shear Strength of Reinforced Ultra High-Performance Concrete Slab-Column Connection".
- **(2008-2013) -** Master of Science (M.Sc) in Structural Engineering from the Structural Engineering Department, Faculty of Engineering, Alexandria University, Alexandria, Egypt.  
Thesis Title: "Behavior of Reinforced Concrete Wide Beams Provided With Lap Splices Using Headed Bars".
- **(2001-2006) -** Bachelor's Degree (B.Sc) in Civil Engineering from the Faculty of Engineering, Alexandria University, Alexandria, Egypt. Grade: "Very Good with Degree of Honor", the 8<sup>th</sup> in my graduation class.

### **Teaching Experiences:**

#### **04/2021 - Present:**

Employer: Higher Institute of Engineering and Technology-King Marriott, Alexandria, Egypt.  
Job Title: Assistant Professor.  
Courses: CVE110: Foundation and Testing of Materials, Architectural Department.  
CVE112: Properties and Testing of Materials-2, Civil Department.  
CVE130: Civil Engineering, Communications and Electronics Department.  
CVE214: Properties and Testing of Materials-4, Civil Department.  
CVE251: Design of Reinforced Concrete Structures-1, Civil Department.  
CVE252: Design of Reinforced Concrete Structures-2, Civil Department.  
CVE261: Geotechnical and Geological Engineering, Civil Department.

CVE353: Design of Reinforced Concrete Structures-3, Civil Department.

CVE362: Geotechnical Engineering, Civil Department.

CVE421: New Building Materials, Civil Department.

CVE457: Design of Reinforced Concrete Structures-5, Civil Department.

CVE459: Foundation Engineering, Civil Department.

CVE491 and CVE499: Graduation Project (the design of reinforced concrete structures project and the properties and testing of materials project), Civil Department.

### **Computer Skills:**

- Microsoft Office (Excel, Word, PowerPoint, and MS Project).
- Structural analysis software (ETABS, SAP 2000, SAFE, and CSI Column).
- PCA Programs.
- ABAQUS and ANSYS
- AUTO-CAD (2D and 3D).
- REVIT.
- Primavera P6 (Moderate user).

### **Engineering Work Experience:**

<b>Founder and General Manager</b> Dar Yassin For Consultant Engineering, Matrouh, Egypt.	<b>2021 – Present</b>
<b>Technical specifications consultant</b> New Construction Chemical (NCC) X-Calibur, Egypt.	<b>2018 – 2020</b>
<b>Director of the Consulting Office and Director for Desalination Projects</b> Matrouh Company for Water and Wastewater, Matrouh, Egypt.	<b>2013 – 2018</b>
<b>Founder and General Manager</b> Yassin For Structural Designs, Matrouh, Egypt.	<b>2009 – 2021</b>
<b>Structural Engineer</b> Directorate of Awkaf Matrouh, Matrouh, Egypt.	<b>2007 – 2013</b>
<b>Civil Engineer</b> Matrouh Resource Management Project, Matrouh, Egypt.	<b>2006 – 2007</b>

### **Languages:**

- Arabic: Mother Tongue.
- English: Very Good (Speaking – Reading - Writing).

### **Publications:**

1. Tarabia, A. M., Shoukry, M. S., and Yassin, A. M., (2013), "Behaviour of RC Wide Beams Using Headed Bars in Lap Splices", International Review of Civil Engineering (IRECE),

- 4(4), 189-195 DOI:[10.15866/irece.v4i4.6872](https://doi.org/10.15866/irece.v4i4.6872).
2. Shoukry, M. E, Tarabia, A.M., and **Yassin, A.M.**, (2022), "Punching Shear Strength of Ultra-High-Performance Fibre Concrete Slab-Column Connections", Proceedings of the Institution of Civil Engineers – Structures and Buildings, 175(8): 644-656, DOI: [10.1680/jstbu.19.00201](https://doi.org/10.1680/jstbu.19.00201).
  3. Aboelhassan, M.G., Tarabia, A.M., and **Yassin, A.M.**, (2022), "Pullout Behavior of Anchored Steel Bars and Grouted Headed Bars", the International Review of Civil Engineering (IRECE), 13 (5), 368-375, DOI: [10.15866/irece.v13i5.21519](https://doi.org/10.15866/irece.v13i5.21519).
  4. Elnaggar, M.A., Omar, M.S., and **Yassin A.M.**, (2023), "Rehabilitation of defective connections between two precast concrete segments (experimental and analytical study)", Construction and Building Materials, 2023. 368: p. 130498 DOI: [10.1016/j.conbuildmat.2023.130498](https://doi.org/10.1016/j.conbuildmat.2023.130498).
  5. **Yassin, A.M.**, Mohie Eldin, M., Hafez, M.A., and Elnaggar, M.A., (2024), "The Flexural Behavior and Mechanical Properties of Super High-Performance Concrete (SHPC) Reinforced Using the Hybridization of Micro Polypropylene and Macro Steel Fibers", Buildings, 14(7).1887. DOI:[10.3390/buildings14071887](https://doi.org/10.3390/buildings14071887).
  6. **Yassin, A.M.**, Eldin, M.M., Omar, M.S., Hafez, M.A., and Elnaggar, M.A., (2024), "A new approach to calculate the shear strength of high-performance reinforced concrete beams fibered with micro polypropylene (experimental and analytical study)", Engineering Structures, 314, p.118347. DOI: [10.1016/j.engstruct.2024.118347](https://doi.org/10.1016/j.engstruct.2024.118347).
  7. **Yassin, A.M.**, Eldin, M.M., Omar, M.S., Hafez, M.A., and Elnaggar, M.A., (2024), " Effect of Nano-Silica on The Flexural Behavior and Mechanical Properties of Self-Compacted High-Performance Concrete (SCHPC) Produced by Cement CEM II/A-P (Experimental and Numerical Study)", Case Studies in Construction Materials, 21, p.e03490. DOI: [10.1016/j.cscm.2024.e03490](https://doi.org/10.1016/j.cscm.2024.e03490).
  8. **Yassin, A.M.**, Hafez, M.A., and Mohie Eldin, M., (2024), " The Flexural Behavior of Reinforced Ultra-High Performance Engineering Cementitious Composite (UHP-ECC) Beams Fabricated with Polyethylene Fiber (Numerical and Analytical Study)", Buildings, 14(7). 3484. DOI: [10.3390/buildings14113484](https://doi.org/10.3390/buildings14113484).
  9. Hafez, M.A., Jine, C.Y., Sidek, N., Muda, Z.C., Shariff, M.S., **Yassin, A.M.**, and Mohie Eldin, M., (2024), " Novel Remediation Technique for Stabilizing the Damaged Slopes of Kenyir Dam", Applied Mathematics & Information Sciences, 18(6). DOI: [10.18576/amis/180619](https://doi.org/10.18576/amis/180619).
  10. **Yassin, A.M.**, Hafez, M.A., and Aboelhassan, M.G., (2025), " Experimental and Numerical Investigation on the Effect of Different Types of Synthetic Fibers on the Flexure Behavior and Mechanical Properties of 3D Cementitious Composite Printing Provided with Cement CEM II/A-P", Buildings, 15(7). 1201. DOI: [10.3390/buildings15071201](https://doi.org/10.3390/buildings15071201).

### **Editorial Duties Referee/Reviewer:**

#### **Journals:**

1. Construction and Building Materials.
2. Structural Concrete Journal.
3. Buildings.
4. Innovative Infrastructure Solutions Journal.
5. Infrastructures Journal.

6. Sustainability.
7. Fire.
8. Eng.
9. Signal, Image, and Video Processing Journal.
10. Discover Applied Sciences Journal.
11. Iranian Journal of Science and Technology, Transactions of Civil Engineering.
12. Scientific Reports Journal.
13. Discover Concrete and Cement Journal.
14. Journal of Building Pathology and Rehabilitation.
15. Revista de la Construcción, Journal of Construction (RDLC).
16. IBRACON Structures and Materials Journal (Revista IBRACON de Estruturas e Materiais).

### **Training Courses and Workshops:**

#### **2023:**

- Description of programs and courses in light of the competencies/competencies approach to the engineering sector (NARS 2018) - The National Authority for Quality Assurance and Accreditation of Education (NAQAAE), Egypt.
- Exams and Students' Assessment Systems: Faculties and Institutes of Higher Education - The National Authority for Quality Assurance and Accreditation of Education (NAQAAE), Egypt.
- Teaching Strategies and Effective Learning: Faculties and Institutes of Higher Education - The National Authority for Quality Assurance and Accreditation of Education (NAQAAE), Egypt.
- Strategic Planning: Faculties and Institutes of Higher Education - The National Authority for Quality Assurance and Accreditation of Education (NAQAAE), Egypt.
- Self-evaluation: Faculties and Institutes of Higher Education - The National Authority for Quality Assurance and Accreditation of Education (NAQAAE), Egypt.

#### **2022:**

- International Publishing in Research - Faculty and Leadership Development Center, Alexandria University, Egypt.
- Quality Standards in Teaching - Faculty and Leadership Development Center, Alexandria University, Egypt.

### **Syndicates, Scientific Societies, and Professional Qualifications:**

- (2025-present) Industrial Collobolator in Egypt for the **INTI International University**.
- (2024-present) External Research Fellow of the **INTI International University**.
- (2021-present) Member of the **Egyptian Society of Engineering**, Member ID # 5101.
- (2021-present) Consultant Civil Engineer (Design of Reinforced Concrete Structures), **Egyptian Engineering Syndicate**, Member ID # 0107145.
- (2021-present) Member of the **American Society of Civil Engineers (ASCE)** and the

**Structural Engineering Institute (SEI) of ASCE, Member ID# 12276975.**

- **(2015-present)** Member of the **American Concrete Institute (ACI)**, Member ID # 1346064.
- **(2012-present)** Member of the **Federation of Arab Engineers**, Member ID # 16/18838-2012.
- **(2006-present)** Civil Engineer, **Egyptian Engineering Syndicate**, Member ID # 320172.