Dr. Nesreen Elawadly

Department of Civil Engineering

The Higher Institute of Engineering and Technology in New Damietta

Ministry of Higher Education, Arab Republic of Egypt

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Education

- **Doctor of Philosophy in Civil Engineering** – Faculty of Engineering - Port Said University 2019

  Thesis title: "the use of Calcined Clay in Production of Green Concrete and in Soil Improvement"

- **Master of Civil Engineering** - Faculty of Engineering - Port Said University 2012.

  Thesis title: "Advantages and disadvantages of colored concretes in the structural and architectural projects"

- **Bachelor of Civil Engineering** - Faculty of Engineering - Suez Canal University – 2002

Academic Employment History

2020 to present **Assistant Professor**

Department of Civil Engineering, Higher Institute of Engineering and Technology in New Damietta, affiliated with the Ministry of Higher Education, Egypt.

2017 to 2020	**Assistant Lecturer** Department of Civil Engineering, Higher Institute of Engineering and Technology in New Damietta, affiliated with the Ministry of Higher Education, Egypt.
2017 to present	**Director of (Properties and strength of materials) laboratory**. Department of Civil Engineering, Higher Institute of Engineering and Technology in New Damietta, affiliated with the Ministry of Higher Education, Egypt.
2020 to present	**Director of the Scientific Research Unit** of the Education Quality Assurance Unit at the Higher Institute of Engineering and Technology in New Damietta, affiliated with the Ministry of Higher Education, Egypt
2021 to present	**Member of the Executive Council of the Education Quality Assurance Unit** at the Higher Institute of Engineering and Technology in New Damietta
2021 to present	**Member of the examination committees** for undergraduate students at the Higher Institute of Engineering and Technology in New Damietta, affiliated with the Ministry of Higher Education
2022 to present	**Coordinator and member of the Quality Unit in the Civil Engineering Department** at the Higher Institute of Engineering and Technology in New Damietta, affiliated with the Ministry of Higher Education

2020 to present	**Member of the laboratories unit in the Civil Engineering Department** at the Higher Institute of Engineering and Technology in New Damietta, affiliated with the Ministry of Higher Education
2020 to present	**Supervisor of: Graduation Projects** Properties and resistance of construction materials[Graduation Years 2020-2021-2022-2023]
5/2020 to 9/2020	**Member of the Scientific Research Unit** of the Education Quality Assurance Unit at the Higher Institute of Engineering and Technology in New Damietta
2021 to present	**Member of the Electronic Services Unit** of the Education Quality Assurance Unit at the Higher Institute of Engineering and Technology in New Damietta

Puplications:

- Elawadly, N. (2024, December 14). Examining the Long-Term Mechanical Properties and Durability of Green Concrete with Recycled Glass as Fine Aggregate: Validation Using the Neural Network Fitting Tool. Housing & Building National Research Center International Conference GSSB 2024.
- Sharobim, K. G., & Elawadly, N. (2024, June 1). The Effect of Egyptian Calcined Clay on Residual Compressive Strength after Concrete Exposure to High Temperatures: A Model Case. International Journal of Advanced Scientific Research and Innovation. https://doi.org/10.21608/ijasri.2024.316767.1018

- Elawadly, N. (2022, December 1). Eco-Friendly Sustainable Concrete with Recycled Crushed Red Bricks: Evaluating Mechanical Performance and Durability. International Journal of Advanced Scientific Research and Innovation. https://doi.org/10.21608/ijasri.2025.349411.1021

- Elawadly, N. (2018). Recycled refractory brick and Kaolin in Green concrete production I Introduction. IOSR Journal of Mechanical and Civil Engineering. https://doi.org/10.9790/1684-1502056672

- Sharobim, K., EL Gendy, M., & Elawadly, N. (2018, December 1). Using of Calcined Clay in Soil Subbase Materials. Journal of Engineering Research. https://doi.org/10.21608/erjeng.2018.126017

- EL-Awadly, N., Sharobim, K., & Hussein, N. (2015, March 1). Advantage and Disadvantage of Colored Concrete in Structural Engineering. Port-Said Engineering Research Journal. https://doi.org/10.21608/pserj.2015.36715

Academic development courses

- "**Scientific Research Ethics**" course: at the Faculty Development Center at Port Said University
- "**Organizing of Scientific conferences**" course: at the Faculty Development Center at Port Said University

- "**Design & Production of (E-content**)" course :at the Faculty Development Center at Port Said University
- "**Prepare high-level executive leaders**": at the Leaders Foundation for Administrative Sciences and Development.

Courses Taught and Other Teaching Activities

- **CIE 302 – Properties and Strength of Materials**: Taught to Civil Engineering students. [Credit hours]
- **CIE 513 – Concrete Structures Technology**: Taught to Civil Engineering students. [Credit hours]
- **CIE 522 – Fiber Reinforced Cement Composites**: Taught to Civil Engineering students. [Credit hours]
- **ENG 205 – Strength of Materials**: Taught to Civil and Chemical Engineering students. [Credit hours]
- **BAS 124 – Strength of Materials**: Taught to Civil and Chemical Engineering students. [Academic term]
- **CIE 212 – Properties and Strength of Materials**: Taught to Civil Engineering students. [Academic term]
- **CIE 415C – Concrete Structures Technology**: Taught to Civil Engineering students. [Academic term]
- **CIE 416E – Fiber Reinforced Cement Composites**: Taught to Civil Engineering students. [Academic term]

Conferences

- **Presented** a research paper titled *"Evaluation of Ultra-Lightweight Floating Concrete Using Polystyrene Aggregates for Non-Structural Applications"* at the **2nd Delta University International Engineering Conference on Research and Innovation (IECRI 2024)**, Delta University for Science and Technology, Egypt, November 2024.
- **Presented** a research paper titled **"***Examining the Long-Term Mechanical Properties and Durability of Green Concrete with Recycled Glass: Neural Network Validation***"** at the **HBRC International Conference – GSSB 2024**, held at Fairmont Nile City, Cairo, December 2024.

Engineering experiences

2014-2017 Civil engineer at the Engineering Department of Al-Azhar Al-Sharif

Civil engineer specialized in restoration, implementation, and technical office work

2013-2014 Civil Engineer at the Egyptian National Authority for Space Sciences and Remote Sensing (NARSS) Civil engineer, research assistant in research projects in civil engineering

2002-2011 Civil Engineer at Al-Iman Office, Khalif Engineering Consulting Office, Engineering consulting office, Design work and supervision of implementation of concrete structures

Civil Service

- Civil Service at the Ford Foundation for Community Service in Egypt
- Civil service at the Ramses Sons Social Foundation
- Civil service at the Orphan Sponsorship Association in Port Said
- A study by the Egyptian Ministry of Awqaf, Islamic Culture Center, Port Said Governors
- Marine Scouts Association, Cubs Leaders
- Marketing course, Egyptian Ministry of Supply and Internal Trade, Port Said Chamber of Commerce