

Curriculum Vitae (CV)

Full Name: *Sahar El Sayed Zakey Flaha*



Personal Information:

Academic Rank: *Associate Professor*

Department: *Civil Engineering*

Specialization: *Structural-Properties and testing of materials*

Position: *Assistant Professor of Civil Engineering at Higher Technological Institute*

Google Scholar: <https://scholar.google.com/citations?user=vgAZ5rgAAAAJ&hl=en>

Research Gate: https://www.researchgate.net/profile/Sahar_Zakey

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Education:

<u>Degree</u>	<u>Discipline</u>	<u>Institution</u>	<u>Year</u>
Ph.D.	<i>Civil Engineering (Materials Engineering)</i>	<i>Zagazig University, Egypt.</i>	<i>2017</i>
M.Sc.	<i>Civil Engineering (Materials Engineering)</i>	<i>Zagazig University, Egypt.</i>	<i>2009</i>
B.Sc.	<i>Civil Engineering</i>	<i>Zagazig University, Egypt.</i>	<i>1989</i>

Academic Experience:

Institution: *El Sabban for Investment, Cairo, Egypt.*

Rank: *Civil Engineer*

Dates: *1993-1998*

Institution: *Higher Technological Institute, 10th of Ramadan city.*

Rank: *Assistant Lecturer*

Dates: *2009 –2016*

Institution: *Higher Technological Institute, 10th of Ramadan city.*

Rank: *Assistant Professor*

Dates: *2016 - Now*

Research interests:

- *Properties and testing of Materials*
- *Composite Materials (FRP)*
- *Code Calibration*
- *Reliability techniques*
- *Fracture Mechanics*
- *Statistical Techniques in quality control*
- *Repair, Strengthening of structures*
- *Recycling*

Publications:

- Khalil , H. S., Ahmad, S.A., Abdin, E. M., and Zakey, S.E., “Effect of Silica Fume on The Mechanical Properties of High Strength Mortar” , The Egyptian International Journal of Eng. Sciences & Technology, Zagazig University, Zagazig, Egypt, December 2008.
- Khalil , H. S., Ahmad, S.A., Abdin, E. M., and Zakey, S.E., “ Long Term Mechanical Properties of High Strength Silica Fume Mortar Using Accelerated Ageing” , Engineering Research Journal , Minoufiya University , Shebin El-Kom , Egypt. september-2009.
- Ahmed S. A., Metwally M.A. and Zakey S. E., “Assessment of Ceramic Tiles Sludge as a Brick Manufacturing Material”, International Journal of Engineering Research & Technology
- Ahmed S. A., Metwally M.A. and Zakey S. E., “Utilizing Industrial Waste-water as Alkali Activator in Sand-Cement Kiln Dust Bricks”, Construction and building materials, Vol. 182, Issue 10, September 2018, Pages 284–289
- Hamdy A. Abdel-Gawwad, Mona S. Mohammed , Sahar E. Zakey, PhD, “Preparation, performance, and stability of alkali-activated-concrete waste-lead- bearing sludge composites” (IJERT), Vol. 5, Issue 10, October-2016. , Journal of Cleaner Production, Vol. 259, 120924, , 20 June 2020, .
- Sherif H. Al-Tersawy; Sahar E. Zakey; Rasha A. El-Sadany; Hossam El-Din M. Sallam , Utilization of Various Industrial Wastes in Ordinary Concrete Under Normal Manufacturing Conditions, International Journal of Concrete Structures and Materials, August 2023.

Certifications or Professional Registrations:

Honors and Awards:

Teaching Experience:

- *During 2009-2024, teaching the following subjects:*
- *Properties and Testing of Materials, Repair and Strengthening of Reinforced Concrete members, Design of Prestressed Concrete, Civil Engineering Drawing, Building Construction, Irrigation and Drainage*

- **Courses taught**

- *Properties and Testing of Materials*
- *Structural maintenance and retrofitting*
- *Irrigation and Drainage*