

## Curriculum Vitae (CV)

### Full Name

Sherif Hussein Al-Tersawy



### Personal Information:

Academic Rank: Associate Professor

Department: Civil Engineering

Specialization: Structural-Properties and testing of materials

Position: Head of Civil Eng. Dept.

Google Scholar: [https://scholar.google.com/citations?view\\_op=new\\_articles&hl=ar&imq=Sherif+Al-Tersawy#](https://scholar.google.com/citations?view_op=new_articles&hl=ar&imq=Sherif+Al-Tersawy#)

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## Education:

| <b>Degree</b> | <b>Discipline</b> | <b>Institution</b>  | <b>Year</b> |
|---------------|-------------------|---|-------------|
| Ph.D.         | Structural Eng.   | Faculty of Engineering,<br>Cairo University, Cairo,<br>Egypt                  | 2006        |
| M.Sc.         | Structural Eng.   | Faculty of Engineering,<br>Cairo University, Cairo,<br>Egypt                  | 2000        |
| B.Sc.         | Civil Eng.        | Higher Technological<br>Institute, 10 <sup>th</sup> of Ramadan<br>city, Egypt | 1995        |

## Academic Experience:

**Institution:** Higher Technological Institute, 10<sup>th</sup> of Ramadan city.

**Rank:** Associate Professor

**Dates:** 2014-now

**Institution:** Higher Technological Institute, 10<sup>th</sup> of Ramadan city.

**Rank:** Assistant Professor

**Dates:** 2007-2014

**Institution:** Higher Technological Institute, 10<sup>th</sup> of Ramadan city.

**Rank:** Research Assistant (PhD student)

**Dates:** 2000-2007

**Institution:** Higher Technological Institute, 10<sup>th</sup> of Ramadan city.

**Rank:** Teaching Assistant

**Dates:** 1995-2000

## 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 of materials
- Nanomaterials
- Concrete shielding against gamma and neutron radiation

## Publications:

1- Sherif H. Al-Tersawy, Amr A. El-Hefnawy, Osama A. Hodhod, (2006), "Influence of Variations in CFRP Tensile Strength on Strength of Concrete Confined by CFRP Wrapping", International Conference on Bridge Management Systems, Egypt, Cairo 2006.

2- Sherif H. Al-Tersawy, Amr A. El-Hefnawy, Osama A. Hodhod, (2007), "VARIABILITY OF CFRP TENSILE PROPERTIES AND ITS EFFECT ON CONFINED CONCRETE STRENGTH", The Engineering Research Journal published by The Faculty of Engineering-Matara -Helwan University, 109 (2007) C16-C32.

3- Sherif H. Al-Tersawy, Osama A. Hodhod, Amr A. El-Hefnawy, (2007), "Reliability and Code Calibration of RC Short Columns Confined with CFRP Wraps", 8 th International Symposium on Fiber- Reinforced Polymer Reinforcement for Concrete Structures- FRPRCS8, University of Patras, Greece 16-18 July 2007.

4- Hossam E.M. Sallam, Yasser Fouad, Sherif H. Al-Tersawy, and Saad A.A. Sayed (2007), "Effect of Fiber Orientation on Friction and Wear Resistance of Polymeric Matrix and Metal Matrix Composites", 9 th Arab International Conference on Polymer Science & Technology, Hurghada, Egypt 18-22 November 2007.

5- Esraa Emam Ali, Sherif H. Al-Tersawy," SELF COMPACTING CONCRETE USING COARSE RECYCLED CONCRETE AGGREGATES", Housing and Building National Research Center Journal.12/2010

6- Esraa Emam Ali, Sherif H. Al-Tersawy," RECYCLED GLASS AS A PARTIAL REPLACEMENT FOR FINE AGGREGATE IN SELF COMPACTING CONCRETE", Construction and Building Materials, 35, 2012, 785-791.

7- Yasser H. Helal, H.E.M. Sallam, M.H. Seleem, Sherif H. Al-Tersawy," Reliability of reinforced concrete beams strengthened with CFRP bonded plates", Elazhar Journal, 2012.

8- Essam S. Khalifa, Sherif H. Al-Tersawy, "EXPERIMENTAL AND ANALYTICAL INVESTIGATION FOR ENHANCEMENT OF FLEXURAL BEAMS USING MULTILAYER WRAPS", Composites:

Part B, Volume 45, Issue 1, February 2013, Pages 1432-1440.

9- Sherif H. Al-Tersawy, " EFFECT OF FIBER PARAMETERS AND CONCRETE STRENGTH ON SHEAR BEHAVIOR OF STRENGTHENED RC BEAMS", Construction and Building Materials, Volume 44, July 2013, Pages 15-24.

10- Essam S. Khalifa, Sherif H. Al-Tersawy, "EXPERIMENTAL AND ANALYTICAL PREDICTION OF STRENGTHENED REINFORCED CONCRETE COLUMNS WITH STEEL ANGLES AND STRIPS", Journal of Al Azhar University Engineering sector (JAUES), Volume 9, Number 30, January 2014, Pages 1-19.

11- Sherif H. Al-Tersawy, M. A. Ghanem, "DUCTILITY AND FLEXURAL BEHAVIOR OF ONE-WAY CONCRETE SLABS REINFORCED WITH LOCAL GFRP REBARS", Engineering Research Journal (ERJ), faculty of Engineering, Minoufia university, Volume 37, Number1, January 2014.

12- M. Ghanem, M. M. Sadawy and S. H. Al-Tersawy, "Effect of Mineral Admixtures on Bond Strength and Corrosion Behavior of Reinforcement Steel Bars", 12th International Conference on Mining, Petroleum and Metallurgical Engineering (MPM12), Sues Univ., 20- 22/10-2014, Egypt.

13- Essam S. Khalifa, Sherif H. Al-Tersawy, "Experimental and analytical behavior of strengthened reinforced concrete columns with steel angles and strips", Int J Adv Struct Eng (2014), Volume 6, Number 61, The article is published with open access at [springerlink.com](http://springerlink.com), June 2014.

14- Essam S. Khalifa, Sherif H. Al-Tersawy, "Improvement of Two-Way Shear Behavior for Flat Slabs using Different Concrete Composites and Multi-Layer Wraps", 2nd International Conference on Bridge Testing, Monitoring and Assessment, HBRC- ISHM II, 2015.

15- Shymaa M. Mukhtar, Sherif H. Al-Tersawy, Mahmoud A. Khater, "Enhancement of the Corrosion Resistance of Steel in Reinforced Concrete and Mortar Properties using Carbon Nanotubes", 5th International Conference (33rd Annual) on Corrosion Mitigation and Surface Protection Technologies, 12-15 Decemebr, Steigenberger Hotel, Luxor, Egypt, 2016.

16- Sherif H. Al-Tersawy, Faten A. El Sergany, "Reuse of Water Treatment Plant Sludge and Rice Husk Ash in Concrete Production", International Journal of Engineering Sciences & Research Technology, December 2016.

17- K. I. M. Ibrahim, Sherif H. Al-Tersawy, "The hybrid Effect of Micro and Nano Silica on the Properties of Normal and High Strength Concrete", IOSR Journal of Mechanical and Civil Engineering (IOSR- JMCE), Volume 14, Issue 4 Ver. VI (Jul. –Aug. 2017), PP 62-72.

18- Sherif H. Al-Tersawy, Rasha A. El-Sadany, H. E. M. Sallam, "Long-term behavior of normal weight concrete containing hybrid nanoparticles subjected to gamma radiation", Archives of Civil and Mechanical Engineering, (2021) 21:9.

19- Sherif H. Al-Tersawy, Rasha A. El-Sadany, H. E. M. Sallam, “Experimental gamma-ray attenuation and theoretical optimization of barite concrete mixtures with nanomaterials against neutrons and gamma rays”, Construction and Building Materials 289 (2021) 123190.

20- Rasha A. El-Sadany, Sherif H. Al-Tersawy, H. E. M. Sallam, “Effect of GFRP and steel reinforcement bars on the flexural behavior of RC beams containing recycled aggregate”, Frattura ed Integrità Strutturale, 61 (2022) 294-307; DOI: 10.3221/IGF-ESIS.61.20/

## **Certifications or Professional Registrations:**

### **Honors and Awards:**

- Reviewer certificate, “Construction and building materials”.
- Reviewer certificate, “Composites part B”.
- Reviewer certificate, “ACI”.
- Reviewer certificate, “Journal of advanced concrete technology, japan”.
- A certificate from National Authority for Quality Assurance and Accreditation of Education for attending the “External Reviewer Course”
- A certificate from National Authority for Quality Assurance and Accreditation of Education for attending the “Tests evaluation Course”
- A certificate from National Authority for Quality Assurance and Accreditation of Education for attending the “Teaching and learning strategies”

### **Teaching Experience:**

- During 1995-2022, teaching the following subjects:  
Properties and Testing of Materials, Mechanics for Civil Engineer, Reinforced Concrete Structures, Repair and Strengthening of Reinforced Concrete members, Design of Prestressed Concrete, Civil Engineering Drawing, Structural Analysis, Building Construction, Irrigation and Water Structures Drawing, AutoCAD, a Diploma Project Course. Graduation Projects.

### **Courses taught**

- Properties and Testing of Materials
- Structural maintenance and retrofitting.