



## CURRICULUM VITAE

### **1- PERSONAL DATA:**

Name : KHALED FAWZY KHALIL  
Gender : MALE  
Date of Birth : February 27, 1962  
Place of Birth : ZAGAZIG, SHARKIA, EGYPT  
Nationality : EGYPTIAN  
Address : Structural Engineering Department, Faculty of Engineering, Zagazig University, Zagazig, EGYPT.  
Current Position : Professor of Structural Engineering, Faculty of Engineering, Zagazig University.  
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Fax : -  
Marital Status : Married with one Child.  
Major : Civil Engineering.  
Fine : Reinforced Concrete and structures

### **2- EDUCATION AND OCCUPATION:**

Ph.D. : 1994, in Structural Engineering, Zagazig University, Egypt.  
Ph.D. Title : Optimum Analysis and Design of Reinforced Tall Building.  
M.Sc. : 1989, in Structural Engineering, Zagazig University, Egypt.  
M.Sc. Title : Analysis of Transfer Deep Beams.  
B.Sc. : May 1984 in Civil Engineering, with grade Distinction "very good", Zagazig University, Egypt.  
  
1984 – 1989 : Demonstrator in the Faculty of Engineering, Zagazig university.  
1989 – 1994 : Lecturer Assistant in the Faculty of Engineering, Zagazig University  
1994 – 2008 : Lecturer in Structural Engineering Department, Faculty of Engineering, Zagazig University.  
2008-2020 : Associate Professor of Structural Engineering, Faculty of Engineering, Zagazig University.  
2020-2021 : Professor of Structural Engineering, Faculty of Engineering, Zagazig University.

- 2017 : Head of Credit Hour Programs for civil Engineering, high technological institute of new Damietta 2014-2017
- 2018-2020 Head department of civil engineering -Delta University.  
Civil Engineering Department, Onaizah Colleges of Engineering, Kingdom of Saudi Arabia,
- 2020

### **3- TEACHING EXPERIENCE:**

- Courses**
- 1- Structural analysis, foundation design and reinforced concrete design for undergraduate students.
  - 2- Reinforced Concrete Structural Analysis with Computer Project for undergraduate B. Sc. Students using Egyptian and ACI code.
  - 3- Strengthening and Repair of Reinforced Concrete Structural Project for undergraduate B. Sc. Students.
  - 4- Reinforced Concrete Design for Graduate Students (M. Sc.)
  - 5- -- Reinforced concrete design for undergraduate civil engineering of students (2nd, 3rd and 4th Levels).
    - Advanced reinforced concrete- graduate structural engineering students.
    - Design of tall buildings for undergraduate civil engineering students (4th Level) Reinforced concrete graduation project.
      - Reinforced concrete I, II, III, IV at the Technological Institute, 0th of Ramadan.
      - Reinforced concrete I, II at The High Institute of Engineering, at rech of Arech City.
      - Reinforced concrete I, II, III, IV, Prestressed Concrete at The 'ehnological Institute, Faculty of Engineering, Sinai University of rech City.
      - Reinforced concrete I, II, III, IV at Ministry of High Education ligh Institute for Engineering & Technology AL-Obour of Obour 'ity.
      - Reinforced concrete I, II, III, IV, and Head department OF civil ngeenring for Technology New Damietta of Damietta City.
- upervisor of reinforced concrete projects for undergraduate B. Sc. tudents el- shrok academic of in shrok City.

#### **4- RESEARCH INTERESTS:**

- : Numerical and Experimental Analyses of Reinforced Concrete Structure.
- : Strengthening and Repair of Reinforced Concrete Structure.

#### **5- THESIS SUPERVISION:**

- M. Sc. : 8 M. Sc. Students in Reinforced Concrete Structural Engineering.
- Ph. D. : -

#### **6- LANGUAGES:**

- : Arabic.
- : English, Fluent spoken and written.

#### **7- SOCIETY MEMBERSHIP:**

- Member of : Egyptian Syndicate for Engineers, 1983 – Present.
- : Consultant Engineering in the Arab Contractors.
- : Consultant Engineering in Alexandria Structures Company
- Consultant Engineering in faculty of Engineering- Zagazig university.

## **8- EXPERIENCE CONSULTANT:**

- 1- Design of many residential and educational buildings, Hospitals and mosques, etc.
- 2- Design with other Kfr-Abdel-Aziz elevated bridge at City of Zagazig.
- 3- Supervising with others the construction of the bridge at Zagazig.
- 4- Assessment and evaluation of residual strength in many R/C buildings.
- 5- Design, participate, and supervising for execution of many reinforced constructions and Towers (Gamma Tower, Fiasl Tower Aluminum stadium, water planet for Tora Factory).
- 6- Design and develop Cornish Banha and design the shop drawing for conference Building in Banha and construction sections, design and supporting maintained the bridge.
- 7- Design and develop Cornish bane-Sawif and construction design and supervising designing shop drawing for road ways for Arab Contracting.
- 8- Check for Design and construction problems for Rehab Project.
- 9- Prepare technical reports for construction building Engineering for consulting and research Center in Zagazig engineering college .Supervising for educational building committe in Zagaizg and check for construction faults (defection).
- 10- Design and supervising for library and theater for Agriculture College.
- 11- Design the Saudi governor on 5530 M<sup>2</sup> area and 12 no. of floors.
- 12- Design Bassam residential building in Saudi on 1050 M and 8 floor highest , Al Amal hospital in KSA on 61425 m and 2 floor project consist of Masjed , swimming pool , theater .Main building and villa).
- 13 - Design the governor building Egypt Telecoms Tower.

## **9- PUBLICATIONS:**

- 1- **Hamdy Shehab and Khaled Fawzy “Internal random discontinuous Confinement of Reinforced Concrete Short Columns by Steel Fibers”** 5th ICCAE Conference, Cairo, Egypt 23-25 Nov., 2004.
- 2- **Hossam El-Din M. Sallam and Khaled Fawzy “Stirrups in RC Beams: Facts Beyond Assumptions”** ICCAE Conference Cairo, Egypt, 23-25 Nov., 2004.
- 3- **Hamdy Shehab and Khaled Fawzy “Effect of Steel Bar Length on Repair and Strengthening Of the Reinforced Concrete Beams”** International Conference: Future Vision and Challenges for Urban Development, Cairo, Egypt: 20- 22 December 2004.
- 4- **Hossam El-Din M. Sallam and Khaled Fawzy “Shear Strengthening of RC Beams By Near Surface Mounted (NSM) Steel Strips”** 11 th ICDGE Conference Cairo, Egypt, 17-19 May, 2005.
- 5- **Khaled Fawzy “TORSION BEHAVIOR OF STRENGTHENED RC BEAMS USING PRESTRESSED STRIPS** “International Conference on Bridge Management Systems –Monitoring Assessment and Rehabilitation Cairo, Egypt, 21-23 March 2006.
- 6- **Hamdy Shehab Khaled Fawzy and Mohamed Khamis “No-Linear Analysis of Ribbed Flat Slabs (Waffle Slabs) With and Without Openings”**, Proceedings of the Sixth Alexandria International Conference on Structural and Geotechnical Engineering, Alexandria University, Alexandria, Egypt, April 15-17, 2007.
- 7- **Khaled Fawzy, “Performance of Repaired Corrosion Reinforced Concrete Short Columns”**  
جامعة الأزهر – كلية الهندسة – قسم الهندسة المدنية – المجلة العلمية للهندسة المدنية(CERM)
- 8- **Khaled Fawzy, Lap Splices in Externally Bonded Near Surface Mounted Of Reinforced Bars and Concrete”**, Proceedings of the twelfth International Colloquium on Structural and Geotechnical Engineering , Ain Shams University Faculty of Engineering, Department of Structural Engineering, Cairo, Egypt , 10-12 December 2007.
- 9- **Khaled Fawzy, " Performance of Repaired Rectangular Columns with Innovative Spiral Confinements”**, AMERICAN SOCIETY OF CIVIL

ENGINEERS 6th International Engineering and Construction Conference (IECC'6), Cairo, Egypt, June 28-30, 2010.

- 10- **Khaled Fawzy, Mahmoud M. Hashem, Ahmed M. Elnady,** "PERFORMANCE OF RC BEAMS WITH WEB OPENING SUBJECTED TO PURE TORSION STRENGTHENED WITH CFRP " ISSN: 2277-3754 ISO 9001:2008 Certified International Journal of Engineering and Innovative Technology (IJEIT) Volume 4, Issue 1, July 2014.
- 11- **Khaled Fawzy, " Strengthening of Opening R.C. Beams in Shear Using Bonded External Reinforcements " ISSN: 2319-5967 ISO 9001:2008 Certified International Journal of Engineering Science and Innovative Technology (IJESIT) Volume 4, Issue 2, 11March 2015.**
- 12- **Hamdy Kamal Shehab eldin<sup>1</sup>, Mohamed Husain<sup>2</sup>, Khalid Fawzy<sup>3</sup> and Shady Khairy<sup>4</sup> "PULLOUT BOND BEHAVIOR OF GFRP BARS AND CONCRETE"**  جامعة الأزهر – كلية الهندسة – قسم الهندسة المدنية – المجلة العلمية للهندسة المدنية (CERM).
- 13- **Hamdy Kamal Shehab eldin, Mohamed Hussein, Khaled Fawzy and Shady Khairy. "Bond behavior of Concrete Beam Reinforcement by GFPR Bars" Life Science Journal 2014;11(11)** <http://www.lifesciencesite.com>
- 14-**Mohamed Husain<sup>1</sup>, Khaled Fawzy<sup>2</sup>, and Ahmed Nada<sup>3</sup> "Performance of prestressed concrete beam with FRP tendons" ISSN: 2277-3754 ISO 9001:2008 Certified International Journal of Engineering and Innovative Technology (IJEIT) Volume 5, Issue 2, 22 August 2015.**
- 15-**Mohamed Husain<sup>1</sup>, Khaled Fawzy<sup>2</sup>, and Ahmed Nada<sup>3</sup> "Flexural Response of CFRP-Prestressed Concrete Beams" " ISSN: 2277-3754 ISO 9001:2008 Certified International Journal of Engineering and Innovative Technology (IJEIT) Volume 2, Issue 2, 10 August 2015.**
- 16-**Mohamed Husain<sup>1</sup>, Khaled Fawzy<sup>2</sup>, and Mahmoud Nasr<sup>3</sup> "Strengthening of Reinforced Concrete Beams using Near-Surface Mounted FRP" International Journal of Engineering Science and Innovative Technology (IJESIT) Volume 4, Issue 3, May 2015.**
- 17- **Khaled Fawzy "Performance of New Strengthening Technique for Square Reinforced Concrete Columns with Innovative CFRP Confinements" " ISSN: 2277-3754 ISO 9001:2008 Certified International Journal of Engineering and Innovative Technology (IJEIT) Volume 6,**

Issue 10, April 2017.

- 18- **Khaled Fawzy “ Relative Study of Nonlinear Analysis for Torsional Strengthened RC Beams with Web Opening using CFRP and Steel Plates”**, IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE), e-ISSN: 2278-1684,p-ISSN: 2320-334X, Volume 15, Issue 1 Ver. II (Jan. - Feb. 2018), PP 65-78 [www.iosrjournals.org](http://www.iosrjournals.org).
- 19- **Khaled Fawzy "Responsibility of NSM FRP Bars in Shear Fortifying of Strengthened R.C. Beams"** ISSN: 2165-784X, Journal of Civil & Environmental Engineering Volume 8, Issue 2, 1000298, Fawzy, J Civil Environ Eng 2018, 8:2, DOI: 10.4172/2165-784X.1000298.
- 20- **Khaled Fawzy "Upgraded the Performance of the Fortifying R.C. beam by CFRP in Flexural"** e-ISSN: 2278-1684, p-ISSN: 2320-334X, IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE) Volume 15, Issue 4 Ver. I (Jul. - Aug. 2018), PP 26-38, DOI: 10.9790/1684-1504012638.
- 21- **Mohamed Husain, Khaled Fawzy, and Khaled Fawzy Kotb "SWAY OF STEEL FIBER AND RECYCLED AGGREGATE CONTENT ON MECHANICAL PROPERTIES OF RECYCLED AGGREGATE CONCRETE"** International Journal of Civil Engineering and Technology (IJCIET) Volume 10, Issue 03, March 2019, pp. 3067–3078, Article ID: ISSN Print: 0976-6308 and ISSN Online: 0976-6316.
- 22- **Abdelglil , E. G. 1; Khaled Fawzy<sup>2</sup> ; Sallam, E. A.<sup>3</sup>and Hassan. S. H<sup>1</sup>" Study of Shear Strengthening of Reinforced Concrete Beams Using Embedded Bars and CFRP "** PORT-SAID ENGINEERING RESEARCH JOURNAL, Faculty of Engineering - Port Said University, Volume 23 No. 1 March 2019 pp: 25:38.
- 23- **Mohamed A. Farouk · Khaled F. Khalil “Alternative mathematical modeling for plastic hinge of reinforced concrete beam”** SN Applied Sciences, a Springer Natural Journal, (2020) 2:113| <https://doi.org/10.1007/s42452-019-1684-9>.
- 24- **Salah Taher, Khaled Fawzy, and Nashwa Yossef “ Design Guidelines of Composite Sections for Concrete Beams with Profiled Steel Sheath Encasement”** Asian Journal of Civil Engineering. a Springer Natural Journal, DOI: 10.1007/s42107-020-00226-2, (2020).
- 25- **Yasser E. Ibrahim, Khaled Fawzy, and Mohamed A. Farouk “Effect of steel fiber on the shear behavior of reinforced recycled aggregate**

concrete beams” Fib Wiley, 23 January 2021, DOI: 10.1002/suco.202000494.

- 26- **Khaled Fawzy, Hilal Hassan, and M. Madqour** “ Experimental and analytical investigations of reinforced concrete beams strengthened by different CFRP sheet schemes” *Frattura ed Integrità Strutturale*, 56 (2021) 123-136; DOI: 10.3221/IGF-ESIS.56.10.
- 27- **Mohamed A. Farouka and Khaled F. Khalil** “ New analytical method for computing moment redistribution in RC beams under concentrated load” *AUSTRALIAN JOURNAL OF STRUCTURAL ENGINEERING*, <https://doi.org/10.1080/13287982.2021.1912518> .
- 28- **Khaled Fawzy, and Mohamed A. Farouka** “Torsion Strengthening of RC Beams with External Lateral Pressure Using Steel Plates” *Iranian Journal of Science and Technology, Transactions of Civil Engineering. a Springer Natural Journal* , 2020, <https://doi.org/10.1007/s40996-020-00536-0>.