

## CURRICULUM VITAE – 2021

### PERSONAL DETAILS:

**Name :** Taghreed Khaleefah Mohammed Ali  
**Name of Father:** Khaleefah Mohammed Ali Hussein  
**Address:** Iraq- Erbil- Koya city.  
**Telephone:** (Mobile) +964 7714729728  
**Citizenship:** Iraqi  
**Religion:** Muslim  
**Sex / Marital Status:** Female / Single  
**Mother language:** Arabic  
**Other languages:** English (good)  
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### ACADEMIC QUALIFICATION:

**Academic title** Assistant Professor  
**2008** Ph.D. degree in structural specialization (Civil Engineering Department),  
**1997** M.Sc. degree in structural specialization (Building and Construction Department), Al-Techonolgya University, Baghdad, Iraq, with **Very Good** average.  
**1993** B.Sc. degree in Civil Engineering (Building and Construction Department), Al- Techonolgya University, Baghdad, Iraq, with **Good** average and rank **3<sup>rd</sup>** among **213**.

### EMPLOYMENT HISTORY:

**From 21/5/2018 till now** Joined Architecture Engineering Department, Faculty of Engineering, Koya University, Koya, Iraq, as **an assistant professor**.  
**From 21/5/2014 till 2018** Joined Architecture Engineering Department, Faculty of Engineering, Koya University, Koya, Iraq, as a Lecturer.  
**From 21/11/2011-20/5/2014.** Joined Geotechnical Engineering Department, Faculty of Engineering, Koya University, Koya, Iraq, as a Lecturer.  
**From 21/8/2008-20/11/2011** Joined Civil Engineering Department, Engineering College, Al—Mustansiriya University, Iraq, as a Lecturer.  
**From 8/1/2006-23/8/2008** Joined Civil Engineering Department, Engineering College, Al—Mustansiriya University, Iraq, as an Assistant Lecturer.  
**From 17/9/2001-7/1/2006** Joined Civil Engineering Department, Engineering College, Al—Anbar University, Iraq, as an Assistant Lecturer.  
**From 1/2/1998-1/8/2001** Working at Zina engineering bureau as engineer (design of structural building and supervision)  
**From 1/10/1994-23/8/1997** Joined a Postgraduates' course to obtain the MSc Degree in Structural Engineering.  
**From 1/10/1993-1/8/1994** Working at Zina engineering bureau as assistant engineer (supervision) for year

### SUBJECTS TAUGHT FOR UG STUDENTS:

1. Mathematics I
2. Engineering Drawing
3. Concrete Technology

- . Construction Building
- 6. Strength of Material
- 7. Mathematics II
- 8. Construction Methods and Estimation
- 9. Quantity surveying
- 10. Engineering Economics and Management
- 11. Introduction to computer
- 12. Concrete Design I

### **Computer Experiences:**

**1/2/2002- 28/2/2002** Joining a course held by (University of Anbar, Computer Centre, Anbar, Iraq) covering *Windows 95* and *Microsoft Office 97*.

#### **Other Computer Skills**

- 1. User of AutoCAD Program
- 2. User of Microsoft Office
- 3. User of Internet
- 4. User of FORTRAN Power Station Compiler
- 5. User of Surfer Program
- 6. User of Staad Pro. 2006 Program
- 7. User of Graphic Program
- 8. User of ANSYS Program.
- 9. User of MATLAB Program.

### **COURSES DURING EMPLOYMENT:**

**1/9/2012-** Joining a course of teaching methods held by Koya University.

**13/4/2015-11/5/2015** Joining a course of finite element analysis with by ANSYS program Koya University.

**18/11/2015-8/8/2016** Joined as a post doctorate in ISISE, Dep. Civil Eng., School Eng., University of Minho

**15/02/2017-08/03/2017** Joined the virtual STEM training which held by University of Arkansas, USA.

**29/03/2020-07/05/2020** Joining the training course on classification and management of scientific journals level-1 and level 2

### **PUBLISHED RESEARCHES DURING CURRENT EMPLOYMENT:**

- 10/2008 "Optimum design of reinforced concrete ribbed domes with large span"
- 4/2013 "Behaviour of axially loaded reactive powder concrete columns",  
Journal of Engineering and Development, Vol. 17, No.2, 2013, pp 193-209
- 10/2012 "Retrofitting Short RC Columns with RPC and CFRP (Zanco, Journal of Pure and Applied Sciences, Salahaddin University, Hawler, Vol. 25, No. 2, 2013, pp. 22-31).
- 08/2014 "Flexural behavior of concrete beams reinforced by using corrosive rebar"  
International Journal Of Civil And Structural Engineering, Vol. 5, No 1, 2014, pp 98-106.
- 02/2015 "Comparison Study of Axial Behavior of RPC-CFRP Short Columns",  
JOURNAL OF MATERIALS AND ENGINEERING STRUCTURES 2 (2015) pp.57-67
- 06/2015 "Relationship between cube and cylinder compressive strengths of mortar used for Ferrocement" American Academic & Scholarly Research Journal

Vol. 7, No. 4, June, 2015

- 01/2016 “Economic and Structural Feasibility of Concrete Cellular and Solid Blocks in Kurdistan Region”. ARO.10113 in Volume IV No. 1, 2016
- 09/2017 Reactive powder concrete reinforced with steel fibers exposed to high Temperatures, IOP Conf. Series: Materials Science and Engineering 246 (2017) 012020 doi:10.1088/1757-899X/246/1/012020, <https://iopscience.iop.org/article/10.1088/1757-899X/246/1/012020/pdf>
- 05/ 2018 Modulus of Elasticity of Lightweight Concrete Containing Different ratios of PET as an Aggregate and Fiber, Journal of Material and Engineering Structure (JMES), 5 (2018) pp.57–72
- 06/ 2018 *Betão de alta resistência reforçado com fibras exposto a elevadas temperaturas. En HAC 2018. V Congreso Iberoamericano de hormigón autocompactable hormigones especiales. Editorial Universitat Politècnica de València. 455-464. Doi:10.4995/HAC2018.2018.5464.*
- 03/2019 “Flexural Behavior of Composite Concrete–Epoxy–Reinforced Concrete Beams”, Iran J Sci Technol Trans Civ Eng (2019). <https://doi.org/10.1007/s40996-019-00255-1>
- 01/2020 Fresh and hardened properties of lightweight self-compacting concrete containing walnut shells as coarse aggregate, Journal of King Saud University-Engineering Sciences
- 02/2020 Mechanical Properties of Concrete and Mortar Containing Low-Density Polyethylene Waste Particles as Fine Aggregate, Journal of Material and Engineering Structure (JMSE), volume (7), issue 1, 2020, pp 57- 72,
- 05/2020 Properties of Eco-Friendly Concrete Contained Limestone and Ceramic Tiles Waste Exposed To High Temperature, ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, volume (45), issue 5, 2020, pp 4387-4404.
- 06/ 2020 Experimental Behavior and Analysis of Hybrid Low-High Strength Reinforced Concrete Columns, JOURNAL OF MATERIALS AND ENGINEERING STRUCTURES 7 (2), 203-214
- 07/2020 Properties of eco-friendly pervious concrete containing polystyrene aggregates reinforced with waste PET fibers, Innovative Infrastructure Solutions 5 (3), 1-16
- 07/ 2020 Diagnostic Geotechnical Study of Cracks Experienced by Residential Compound: A Case Study, Key Engineering Materials (1662- 9795) 857, 394-398
- 08/ 2020 Properties of environmental concrete that contains crushed walnut shell as partial replacement for aggregates, Arabian Journal of Geosciences 13, 1-9
- 09/2020 Shear strength of a reinforced concrete beam by PET fiber, Environment, Development and Sustainability, 1-18
- 02/2021 Effect of egg shell ash and strap plastic waste on properties of high strength sustainable self-compacting concrete, Arabian Journal of Geosciences 14 (291), 1-11
- 02/ 2021 The mechanical properties of green mortar contained aluminum wastes as substitution of Sand, Materials Today: Proceedings
- 02/ 2021 Adapting traditional courtyard houses in Koya city, Technology Reports of Kansai University 63 (1), 6975- 6987

#### **THE RESEARCHES ON WORKING STAGE**

“Accuracy of elastic beam equation in nonlinear flexural analysis”.

“Improving properties of concrete blocks which are manufactured at Koya city”.  
” Flexural behavior of light weight reinforced concrete beams which are made by using pine cone of Koya city”.  
“Developing hollow-core FRP-concrete-steel columns for precast seismic resistant”.

### **Other Academic & Engineering Achievement**

- 1994** Member of Engineers Association of Iraq
- 2008** Imparting in General Comprehensive Scientific Conference of Engineering college, Al-Mustansiria University, Baghdad, Iraq.
- 2013** Imparting in “First International Symposium on Urban Development Koya City as a Case Study” by paper exploring stones suitable for building in the city of Koya.
- 2014** **I am one of the editorial board of journal JMES**
- 2015** I get a post doctorate at University of Minho within Erasmus Mundus Marhaba Project
- 2015** Impart at HEP-IREX -Iraq 2016 small grant by project title Scientific Research.
- 2015** Impart at HEP-IREX -Iraq 2016 small grant for Teaching Techniques Development

### **Thesis:**

**M.Sc. Thesis:** Study of Short Column Strength Design Methods.

**Ph.D. Thesis:** Optimum Design of Reinforced Concrete Ribbed Domes with Large Span.

### **FIELDS OF INTEREST:**

1. Structural Engineering.
2. Concrete Technology.
3. Management of Building Construction.
4. Economy of Building Construction.
5. Marine and Coastal Structures.
6. Sustainable concrete.
7. Modeling of concrete structures via using finite element method.
8. Ultra high performance concrete