

Curriculum Vitae



I- Personal Data:

- Name: **Khaleel Hasan Younis , Babi**
- Address: Iraq – Erbil, Zanko 2
- Home Telephone No.: 2260541 : Mobile: 07504787118,
- Email address: khaleelyounis@epu.edu.krd , khaleelyounis@gmail.com
- DOB: 1st Apr. 1974 Blood G: O+ Nationality: Iraqi Gender: Male
Marital status: Married

II- Education:

- **PhD** in Structural Engineering / The University of Sheffield / Department of Civil and Structural Engineering/ Sheffield-UK (2014).
- **M.Sc.** in Structural Engineering/University of AL-Mustansyria / Civil Engineering Department/ Baghdad-Iraq (1998).
- **B.Sc.** Science in Civil Engineering / AL-Mustansyria University / Civil Engineering Department/ Baghdad-Iraq (1996)

III- Summary of professional skills and/or expertise:

- Academic (teaching different types of civil engineering related courses)
- Field of expertise : Designing and supervising of different types of buildings,
Computer Skills: Advanced MS Office (Excel , Word, Power point) and civil engineering applications softwares.

IV- Summary of relevant work experience:

1- December 1998 – July 1999 : Civil Engineer,/ Qurtach Company / Iraqi Company in Baghdad

Main Duties:

- Civil Engineering Design_of buildings.
- Implementing various civil engineering projects.
- Survey and Prepare B.o.Q of various structures.

2- July 1999 – June 2000 : Civil Engineer Associate, KLA (Kurdish Life Aids) Organization / British Organization / Erbil Field Office.

Main Duties:

- Supervising and implementing Civil Engineering projects (Buildings ,Water Supply Projects, Roads , Shelters, Renovation Works) .
- Survey and Prepare B.o.Q of various type of structures .

3- June 2000 - March 2009 : Academic at the Department of Civil Techniques, Technology Institute of Erbil /Erbil Polytechnic University, Kirkuk Road, Erbil, Iraq.

Main Duties:

Teaching a number of civil engineering related courses (at Technology Institute of Erbil , Technical college of Erbil and Engineering college at Knowledge (formerly Al-Hayat) university such as:

1. Engineering Mechanics.
2. Theory of Structures.
3. Strength of Materials.
4. Solid Mechanics.
5. Concrete Technology.
6. Asphalt Technique.
7. Soil Mechanics.
8. Building Materials.
9. Construction of Buildings.
10. Mechanics of soil.

During this period of time I served as a teaching staff, head of department assistant (four years) and head of department (three years).

4- 2010 - 2014 : PhD student at The University of Sheffield / Department of Civil and Structural Engineering/ Sheffield-UK.

V- Current Profession:

- Head of road construction department and academic (lecturer) at The Technology Institute of Erbil/ Erbil Polytechnic University (EPU).
- Working with Al-Anbar University in supervising researches of Master degree students.
- External lecturer at Knowledge (formerly Al-Hayat) private university.
- External lecturer at Ishik University (teaching MSc courses)
- Member of the committee of joint master degree with Ishik University.
- Member of the committee of scientific title promotion at EPU.
- Member of the committee of scientific title awarding at EPU.
- Reviewer of scientific articles for
 - The ACI Materials and Structures journal.
 - Construction and Building materials journal.
 - The Polytechnic journal of Erbil polytechnic University.
- Member of the editorial board of the Polytechnic journal of Erbil Polytechnic University.

V- Other previous activities:

- Reviewing papers for ACI structural and materials journal.
- Reviewing papers for Construction and building materials journal.
- Student member of American Concrete Institute (ACI) , 2010-2014
- Recognized member of ACI, 2015-2016.
- Reviewing papers for conferences and workshop such as: '(2nd , 3rd and 4th) International Engineering Conference on Developments in Civil and Computer Applications IEC'' held in Erbil-Iraq.
- Programme committee member for the conference '2nd International Engineering Conference on Developments in Civil and Computer Applications IEC2016'' held in Erbil-Iraq.
- Organizing committee member for the conference '2nd International Engineering Conference on Developments in Civil and Computer Applications IEC2016'' held in Erbil-Iraq.
- Chair of Programme committee member for the conference '3rd International Engineering Conference on Developments in Civil and Computer Applications IEC2017'' held in Feb. 2017 /Erbil-Iraq.

VI- Languages

- Mother Tongue: *Kurdish*
- Other Languages: Fluent written and verbal proficiency *in English and Arabic.*

VII- Research Interests

Dr. Khaleel H. Younis started his academic career in June 2000. Before that , he worked as site and supervisor engineer for three years in construction projects in Kurdistan- Iraq. The first academic institute he worked for was the Erbil Technology Institute (ETI) at Erbil polytechnic university (EPU) and he is still working for this institute. During this time he worked as academic staff, head of department assistant and head of department.

In general, he is interested in concrete technology advances and engineering as both material behaviour and structural performance. **His research interests include the development of innovative approaches and design methods for using recycled materials in the production of structural concrete to enhance the eco-environmental performance of concrete structures.** Also, he works on investigating the time dependent behaviour of different kind of concrete made with recycled materials such as recycled concrete aggregate, recycled steel fibre and recycled rubber. The aim is to develop new sustainable concrete mixtures to be used by the construction industry and included in the design philosophy and guidelines of different structural elements.

He is particularly interested in the free and restrained shrinkage behaviour of different kind of concrete such as conventional, self-compacted, roller compacted, steel fibre reinforced concretes. His PhD included a contribution in developing a new rig and test method for assessing the post restrained shrinkage mechanical properties of concrete. Dr. Khaleel is also interested in the transport mechanisms of concrete including: permeation, diffusion and sorption.

VIII- Publications

1- "*Non-linear Behaviour of Continuous Composite Beams with partial connection*", MSc thesis (1998).

2- "*Strength prediction model and methods for improving recycled aggregate concrete*". Journal of Construction and Building Materials, **49(0)**: p. 688-701. Journal paper **(2013)**.

3- "*Restrained Shrinkage Behaviour of Concrete With Recycled Materials*" , PhD thesis (March 2014).

4- "*Assessment of Post-Restrained Shrinkage Mechanical Properties of Concrete*" Journal of ACI Materials, Vol.113, No.3, May-June 2016.

5- "*New Restrained Shrinkage Test to Assess Post-Shrinkage Behaviour of Concrete - Part I: Development of Test and Free Shrinkage Results*". Journal of Cement and Concrete Composites, 2017. Journal paper **Submitted for publication**

6- "*New Restrained Shrinkage Test to Assess Post-Shrinkage Behaviour of Concrete - Part II: Restrained and Post-Restrained Test Results*". Journal of Cement and Concrete Composites, 2017. Journal paper **Submitted for publication**.

7- "*Feasibility of Using Recycled Steel Fibres To Enhance the Behaviour of Recycled Aggregate Concrete*". FRC 2014 Joint ACI-fib International Workshop Fibre Reinforced Concrete: from Design to Structural Applications (Montreal- Canada). Proceedings of both ACI and fib (July 2014)

8- "*Feasibility of Using Recycled Steel Fibres To Enhance the Behaviour of Recycled Aggregate Concrete*". *Special publication of ACI* (American concrete institute) SP-310, pp: 267-276, 2017.

9- "*Mechanical Performance of Concrete Reinforced with Steel Fibres Extracted from Post-Consumer Tyres*" . 2016, Proceedings of the conference "2nd International Engineering Conference on Developments in Civil and Computer Applications IEC2016".

10- "*Rheological behavior of self-compacting concrete incorporating crumb rubber particles as fine aggregate*". 2017, Proceedings of the conference "3rd

International Engineering Conference on Developments in Civil and Computer Applications IEC2017” Erbil-Iraq, 2017.

11- Khaleel. H. Younis et al., "*Cracking Tendency of Self-Compacting Concrete Containing Crumb Rubber as Fine Aggregate*", Key Engineering Materials, Vol. 744, pp. 55-60, 2017

12 - Younis K.H. and Mustafa S.M. , Application of Nano materials to Enhance Mechanical Performance and Microstructure of Recycled Aggregate Concrete in 4th International Engineering Conference on Developments in Civil and Computer Applications IEC2018. 2018, Erbil Ploytechnic University and Ishik University: Erbil-Iraq.

13- Younis K.H., Fatma A.Shafia and Khalid B. Najim, Self-Compacting Concrete Reinforced with Steel Fibers from Scrap Tires: Rheological and Mechanical Properties in 4th International Engineering Conference on Developments in Civil and Computer Applications IEC2018. 2018, Erbil Ploytechnic University and Ishik University: Erbil-Iraq.

VIII- Notes

1. Member of Iraqi Engineers Union since (1999) – Licensed Civil Engineer -
2. Member of Kurdistan Engineers Union, Licensed Civil Engineer – Erbil.
3. Research gate account with an impact point of 7.5.
4. Google scholar account with (hi) index and citations counts of 79.

I CERTIFY THAT ALL INFORMATION STATED IN THIS RESUME IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

Date: Jan- 2019