

CURRICULUM VITAE

Personal Data

Name: Amal Mohamed Naji El-Khoja.

Data and Place of Birth: 27/06/1972, Tripoli, Libya.

Nationality: Libyan.

Marital Status: Single

Languages: Excellent Arabic (Native language)/ English (Very good).

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Phone: 00218912188597

Profile:

- Sound experience in concrete technology and design of reinforced concrete structures.
- Perform well in multi-tasking situations; flexible and adaptable with excellent problem solving skills.

Education and Academic Qualifications:

Ph. D. 'Mechanical, Thermal and Acoustic Properties of Rubberised Concrete Incorporating Nano Silica' Silica' Department of Engineering and Informatics, University of Bradford, Uk, 2019.

M. Sc. 'The Effect of Temperature Rise on Analysis of Concrete Tanks in Libya' Department of Civil Engineering, University of Tripoli, 2005.

B. Sc. 'Effect of Height to Diameter Ratio on Compressive Strength of Concrete' Civil Engineering, University of Tripoli, Libya, 1996.

Academic Profile

Full Time Job at Civil Engineering Department, University of Tripoli, Tripoli, the leading university in Libya.

2000 to 2008: Research Assistant in property of materials laboratory.

2008 to 2013: Assistant Lecturer.

2014: Lecturer.

2020 to present: Lecturer.

The academic duties during the above periods included teaching the following courses:

GE121 - Static

CE133L – Properties of Materials, Lab.

CE203 – Structural Analysis I (Statically determinate structures).

CE203AR – Structural Analysis (for Architecture students).

CE133 – Properties of Materials.

CE264 – Materials of Construction.

CE301 – Mechanics of Solids.

In addition to the supervision of several joint and individual B.Sc. graduation projects.

Published Research Papers:

1. Abdurrahman A. Elgalhud, **Amal M. Elkhoja**, Manal F. Najjar, Enas AB. Elmusrati, 'Towards Sustainable Development of Concrete Industry', Al-ostath, vol.20, spring 2021, pages 25-51.
2. Manal F. Najjar, Enas AB. Elmusrati, **Amal M. El-khoja**, Abdurrahman A. Elgalhud, 'Influence of Fine Aggregate Type and Content on The Properties of Grout for Two-Stage Concrete', Journal of Engineering Research, vol.31, March 2021, pages 1-12.
3. **El-Khoja**, A.; Ashour, A.; Abdalhmid, J.; Dai, X.; Khan, A. (2018), 'Prediction of Rubberised Concrete Strength by Using Artificial Neural Networks ' World Academy of Science, Engineering and Technology, International Science Index 143, International Journal of Civil, Environmental, Structural, Construction and Architectural Engineering, 12(11), 1068 - 1073.
4. Alhawati, M., Ashour, A. and **El-Khoja**, A. 2019. Properties of concrete incorporating different nano silica particles. Materials Research Innovations, 1-12.
5. Alhawati, M., Ashour, A. and **El-Khoja**, A., 2019, August. Influence of using different surface areas of nano silica on concrete properties. In AIP Conference Proceedings (Vol. 2146, No. 1, p. 020007). AIP Publishing.
6. **Amal El-khoja**, Ashraf Ashour, Jamila abdalhmid, X. Dai, Amir Khan, Using Artificial Neural Networks to Predict the Compressive Strength of Rubberised Concrete. 2nd Annual Innovative Engineering Research Conference, AIERC '18 University of Bradford.
7. **Amal El-khoja**, Amir Khan, Ashraf Ashour Vibro- acoustic properties of rubberised concrete containing nano silica. 2nd Annual Innovative Engineering Research Conference, AIERC' 18, University of Bradford.
8. **Amal Elkhoja**; Khaled Kassik; Abdulbaset Etturki 'The Relationship between the density and strength of concrete", CSCE conference, Montreal, Canada, 2013.

9. Zedan Hatush; Mustafa Tawil, **Amal Elkhoja** "Cases of Early Thermal Crack Calculations in Hot Regions", IABSE Symposium 2004, 179-184, Shanghai, China.
10. Zedan Hatush; Mustafa Tawil, **Amal Elkhoja** "Concrete Temperature Design Curves for Hot Weather Condition", 7th International Conference Concrete for Development countries (ICCTDC), Malaysia, 2004.

Experience:

- 2020 to date: Lecturer at the Department of Civil Engineering, University of Tripoli, Libya.
- 2015-2019: PhD researcher at University of Bradford, UK
- 2014-2015: Studying English language at Manchester Central School of English (MCSE).
- 2008-2014: Lecturer at the Department of Civil Engineering, University of Tripoli, Libya.
- 2000-2008: *Laboratory Engineer at the Material Properties Lab.
 * M. Sc. Program.
- 1996-2000: Private Office of Engineering (Rewak Office), as Structural Designer and follow up the new buildings.

Computer Skills:

High efficient in: Windows7, Word, Excel, PowerPoint, Visio, AutoCAD 2007(2D) and Sap2000, Matlab (Artificial Neural Network)

Training:

- 1- Structural Analysis Using Sap2000 Program.

Presented by: Dr. M. Ekkari, Dr. S. Nuh.

Course Organizer: Courses Office, Tripoli University.

Course Date: 11th of Feb to 26th Feb 2002

- 2- Design of Mid-Rise Buildings

Presented by: Dr. M. El Galhoud.

Course Organizer: Courses Office, Tripoli University.

Course Date: 29th of Nov to 18th Dec 2002

3- Workshop Lectures, 12th Arab Structural Engineering Conference,

16-19 Dec 2013:

- Individual Footing Supporting Column nearby a Property line; Problems and Feasible solutions, Presented by: Dr. M. El Galhoud.
- Structural Assessment of R.C. Floor Slabs by Load Testing, Presented by: Dr. A. M. Alwefatti.
- A Framework for Project Management, Presented by: Dr. Z. Hatush.

4- Workshop Lectures, Postgraduates who Teach:

- Induction, Centre for Educational Development, University of Bradford, 5th September 2016.
- Starting to Teach, Centre for Educational Development, University of Bradford, 5th September 2016.
- Marking, Assessment & Feedback, Centre for Educational Development, University of Bradford, 6th September 2016.

5- GTA Module 2016-17

Learning and Teaching in Higher Education (GTAs and part-time tutors).

Cover Letter

This letter is to introduce myself and to let you know of my interest to become part of your University (Company). The attached CV will provide you with whole information about my background, previous job experiences, training, education and skills. /my work abilities are backed up with experiences and knowledge. I assure that I can successfully perform any duties requiring of any responsibility upon your company.

In all of my previous job experiences, I have performed my duties with professionalism and high skills. And now I am looking for a position that will fully utilise my skills and offer good an opportunity to carrying on with professional growth.

I look forward to work with you.