



- **Name:** Ibrahim Mohammed Hasan Alshaikh. ▪ **Date of Birth:** 25/7/1986.
- **Nationality:** Yemeni. ▪ **Marital Status :** Married. ▪ **Phone:** +967-777 317 377
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Academic Qualifications

- 2017 - 2020 **Ph.D.** in Impact and Blast Resistant Structures Engineering. Ph.D. thesis entitled "Progressive Collapse Behavior of Rubberized Steel Fiber Concrete Frame", Universiti Sains Malaysia (USM), Penang, Malaysia.
- 2012 - 2014 **M.Sc.** in Structural Engineering. M.Sc. thesis entitled "Progressive Collapse of a Reinforced Concrete Frame Structure with Infill Walls", Excellent 2014, University of Science and Technology (UST), Sana'a, Yemen.
- 2004 - 2008 **B.Sc.** in Civil Engineering, (Hons.), the average is 'Very Good', University of Science and Technology (UST), Sana'a, Yemen.

Research Interests

- Progressive Collapse of RC Structure.
- Numerical Analysis of RC Structure.
- Usage of Waste Materials into Construction Materials.

Professional Experiences

- 11/2020 - present **Assistant Professor (full-time)**, University of Science and Technology, Sana'a, Yemen.
- 1/2015 - present **Vice-head of Civil Engineering Department**, at the University of Science and Technology, Sana'a, Yemen.
- 7/2014 - 10/2020 **Assistant Lecturer**, University of Science and Technology, Sana'a, Yemen.
- 11/2008 - 6/2014 **Assistant Research**, University of Science and Technology, Sana'a, Yemen.
- 6/2008 - present **Structural Designer**, Sana'a, Yemen.

Languages

- Arabic** Mother Tongue.
- English** Very good in reading, writing, and speaking.

Career History

5/2021 - 6/2021	Participated in the preparation team for the Course Specification Documents of Computer Applications in Structural Engineering - of the Department of Civil Engineering at Sana'a University, Sana'a, Yemen.
5/2021 - 6/2021	Participated in the preparation team for the Program Specification of M.Sc. Structural Engineering (PSD) for the Department of Civil Engineering at Sana'a University, Sana'a, Yemen.
9/2020 - 6/2021	Participated in the team for updating the Program Specification of M.Sc. Structural Engineering (PSD) for the Department of Civil Engineering at University of Science and Technology, Sana'a, Yemen.
11/2018 - 5/2019	Participated in the preparation team for the Program Specification of Petroleum Engineering - Bachelor (PSD) for University of Science and Technology, Sana'a, Yemen.
10/2016 - 12/2016	Development of Study Plan for the Department of Civil Engineering at the University of Science and Technology, Sana'a, Yemen.
11/2014 - 1/2015	Participated in the preparation team for the Course Specification Documents of Master of Science in Construction Management of the Department of Civil Engineering at Queen Arwa University, Sana'a, Yemen.
4/2013 - 10/2014	Participated in the preparation team for the Program Specification of Civil Engineering - Bachelor and Master (PSD) for the Department of Civil Engineering at University of Science and Technology, Sana'a, Yemen.
11/2013 - 1/2014	Prepared the Course Specification Document of Reinforced Concrete of the Departments of Civil Engineering and Architecture Engineering at the University of Science and Technology, Sana'a, Yemen.
1/2010 - 5/2010	Member of the Review Committee for Structural Design of Some Building of the University of Amran (Head Office, Medical Faculty, Students Affairs, Library, Guest House, and Mosque), Amran, Yemen.
8/2008 - present	Structural design - (Many RC buildings have been designed and revised).

Courses Taught at University

- Engineering Drawing.
- Architectural Drawing for Civil Eng. Students.
- Computer Applications in Civil Eng. (AutoCAD).
- Computer Applications Specialist (ETABS).
- Advanced Computer Applications (ABAQUS) for Postgraduate Students.
- Descriptive Geometry.
- Civil Engineering Drawing.
- Engineering Mechanics (Statics & Dynamics).
- Theory of Structures.
- Design of RC Structures (RC1 & 2 & 3).
- Supervisor of Final Year B.Sc. Projects.

Technical Skills & Proficiency

- Microsoft Office (Word, Excel, and PowerPoint).
- Drawing Software such as (AutoCAD 2D, 3D).
- Structural Analysis and Design Programs such as (STAAD Pro., ETABS, and ROBOT Structural Analysis).
- AutoCAD Structural Detailing.
- Finite Element Program (ABAQUS).

Books & Publications

i. Journal Publications

1. Alwesabi, E.A., Bakar, B.A., **Alshaikh, I.M.**, Zeyad, A.M., Altheeb, A., and Alghamdi, H., 2021. " Experimental investigation on fracture characteristics of plain and rubberized concrete containing hybrid steel-polypropylene fiber". *Structures*, 33, pp. 4421-4432. (*ISI Indexed Journals*, Q2, <https://doi.org/10.1016/j.istruc.2021.07.011>).
2. **Alshaikh, I.M.**, Bakar, B.A., Alwesabi, E.A., Zeyad, A.M., and Magbool, H. M., 2021. " Finite element analysis and experimental validation of progressive collapse of reinforced rubberized concrete frame". *Structures*, 33, pp. 2361-2373. (*ISI Indexed Journals*, Q2, <https://doi.org/10.1016/j.istruc.2021.06.008>).
3. Alwesabi, E.A., Bakar, B.A., **Alshaikh, I.M.**, and Akil, H.M., 2020. "Impact Resistance of Plain and Rubberized Concrete Containing Steel and Polypropylene Hybrid Fiber". *Materials Today Communications*, 25, p.101640. (*ISI Indexed Journals*, Q2, <https://doi.org/10.1016/j.mtcomm.2020.101640>).
4. **Alshaikh, I.M.**, Bakar, B.A., Alwesabi, E.A. and Akil, H.M., 2020. "Experimental investigation of the progressive collapse of reinforced concrete structures: An overview". *Structures*, 25, pp. 881-900. (*ISI Indexed Journals*, Q2, <https://doi.org/10.1016/j.istruc.2020.03.018>).
5. Alwesabi, E.A., Bakar, B.A., **Alshaikh, I.M.** and Akil, H.M., 2020. "Experimental investigation on mechanical properties of plain and rubberised concretes with steel–polypropylene hybrid fibre". *Construction and Building Materials*, 233, pp.117-194. (*ISI Indexed Journals*, Q1, <https://doi.org/10.1016/j.conbuildmat.2019.117194>).
6. A.M. Zeyad, M.A.M. Johari, B.A. Tayeh, **I.M. Alshaikh**, 2019. "Influence of Palm Oil Fuel Ash on Properties of High-Strength Green Concrete". *Scientific Journal of King Faisal University (Basic and Applied Sciences)*, Vol.20 (1), pp. 63-72. (*Scopus Indexed Journals*, <https://services.kfu.edu.sa/ScientificJournal/en/Home/ContentsDetails/637>).

7. **Alshaikh, I.M.**, Bakar, B.A., Alwesabi, E.A. and Akil, H.M., 2019. "Progressive collapse of reinforced rubberised concrete: Experimental study". *Construction and Building Materials*, 226, pp.307-316. (*ISI Indexed Journals, Q1*, <https://doi.org/10.1016/j.conbuildmat.2019.07.270>).
8. **Ibrahim AL-Shaikh**, Nabil Falah, 2014 "Numerical Analysis of Masonry-Infilled Reinforced Concrete Frames" *Journal of Science and Technology*, Vol. 19, No. 2, pp. 21-28, ISSN: 1607-2073. (<https://wusf.ust.edu/ojs/index.php/JST/article/view/772>)

ii. Books

1. **Reinforced Concrete Analysis & Design Steps Volume (3)**, Registered in General Authority for Books- *Books House (286/2016)*, published in 10/2016, Sana'a – Yemen.
2. **Reinforced Concrete Analysis & Design Steps Volume (2)**, Registered in General Authority for Books- *Books House (91/2016)*, published in 3/2016, Sana'a – Yemen.
3. **Reinforced Concrete Analysis & Design Steps Volume (1)**, Registered in General Authority for Books- *Books House (492/2014)*, published in 10/2014, Sana'a – Yemen.

Professional Affiliations

- Member of Yemeni Engineering Syndicate.
- Member of University of Sciences and Technology Staff Members Syndicate.

References

1. Professor: **Mahmoud Mohamed Kulaib**.
Al-Baha University, Saudi Arabia.
E-mail: kulaibmma@yahoo.com.
2. Professor: **Badorul Hisham Abu Bakar**.
Universiti Sains Malaysia, Malaysia.
E-mail: cebad@usm.my.
3. Associate Professor: **Abdullah Mohsen Zeyad**.
Jazan University, Saudi Arabia.
E-mail: azmohsen@jazanu.edu.sa.
4. Assistant Professor: **Ziyad Algaboby**.
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