

# Dr. Ibrahim M. H. AL-Shaikh (Associate Professor in Structural Engineering)



- **Name:** Ibrahim Mohammed Hasan Alshaikh.
- **Place & Date of Birth:** Kuwait, July 25, 1986.
- **Marital Status :** Married.
- **Phone:** +967-777317377
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- **Address:** Department of Civil Engineering, University of Science and Technology, Sana'a - Yemen.



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[ORCID Profile](#)

## Academic Qualifications:

- 2017 - 2020** **Ph.D.** in Structural Engineering. Ph.D., thesis entitled "Progressive Collapse Behavior of Rubberized Steel Fiber Concrete Frame", Universiti Sains Malaysia (USM), Penang, Malaysia.
- 2012 - 2015** **M.Sc.** in Civil Engineering. M.Sc., thesis entitled "Progressive Collapse of a Reinforced Concrete Frame Structure with Infill Walls", Excellent 2015, University of Science and Technology (UST), Yemen.
- 2004 - 2008** **B.Sc.** in Civil Engineering, (Hons.), with an average of 'Very Good', University of Science and Technology (UST), Yemen.

## Professional Experiences:

- 10/2025 - present** **Associate Professor (full-time)**, University of Science and Technology, Sana'a, Yemen.
  - Delivering B.Sc. lectures.
  - Publishing academic articles.
  - Preparing course materials.
  - Serving in departmental activities.
  - Mentoring students.
- 8/2025 - present** **Dean of Postgraduate Studies & Scientific Research**, University of Science and Technology, Sana'a, Yemen.
  - Postgraduate Studies Management.
  - Funding and Administration.
  - Scientific Research Leadership.
  - Liaison and Leadership.
- 11/2020 - present** **Assistant Professor (full-time)**, University of Science and Technology, Sana'a, Yemen.
  - Delivering B.Sc. lectures.
  - Publishing academic articles.
  - Preparing course materials.
  - Serving in departmental activities.
  - Mentoring students.
- 10/2020 - 10/2024** **Assistant Professor (part-time)**, Sana'a University, Yemen.
  - Delivering M.Sc. lectures.
  - Preparing course materials.
- 1/2015 - 6/2024** **Vice-head of Civil Engineering Department**, at the University of Science and Technology, Sana'a, Yemen.
  - Administrative duties include leadership, policy implementation, budget management, academic oversight, research coordination, quality assurance, fostering faculty professional development, and continuous improvement.
- 9/2010 -9/2016** **Coordinator of Quality Assurance**, Civil Engineering Department, at the University of Science and Technology, Sana'a, Yemen.
  - Ensure that the civil engineering program meets high standards by developing curriculum, adhering to accreditation standards, implementing quality assurance systems, analyzing data, keeping accurate records, and reporting.
- 11/2008 -10/2020** **Teaching assistant and assistant lecturer**, University of Science and Technology, Sana'a, Yemen.
  - Delivering practical and tutorial sessions.
  - Preparing and marking mid-term/final exams.
  - Preparing course materials.
  - Serving in departmental activities.

**Professional Experiences (cont.):****6/2008 - present**     **Structural Designer, Sana'a, Yemen.**

- Designing and developing plans with detailed drawings, using software for design and analysis, reviewing shop drawings, overseeing construction projects, conducting site visits, interpreting engineers' calculations, and ensuring compliance with building codes and safety regulations.

**Research Interests:**

- Progressive Collapse Resistance of RC/Steel Structure.
- Strengthening and Rehabilitation of Structures.
- Sustainable & Eco-Friendly Construction Materials.
- Finite Element Modeling of RC/Steel Structure.
- AI Modeling and Optimization in Civil Engineering.

**Languages:****Arabic**     Mother Tongue.**English**     Very good in reading, writing, listening, and speaking.**Career History:**

**7/2025 - present**     Participated in the team that prepared a self-assessment study of the of the Civil Engineering Department at UST-Sana'a, ensuring full compliance with the ABET accreditation standards.

**9/2021 - 3/2024**     Participated in the team, which prepared a self-assessment study for the department of civil engineering at the UST-Sana'a, according to the standards and parameters of the Council for Academic Accreditation and Quality Assurance of Higher Education in Yemen.

**6/2021 - 3/2023**     Prepared the Course Specification Document of many courses at the University of Science and Technology-Sana'a and Sana'a University, Yemen.

No.	Course Name	Level	Date
1.	Reinforced Concrete (1,2, and 3)	B.Sc.	3/2023
2.	Advanced Computer Applications in Structural Engineering	M.Sc.	6/2022
3.	Plates and Shells	M.Sc.	5/2022
4.	Computer Applications in Structural Engineering	M.Sc.	6/2021

**10/2014 - 4/2023**     Participated in the preparation team for the Program Specification (PSD) of many academic programs at the University of Science and Technology-Sana'a and Sana'a University, Yemen.

No.	Academic Program	Level	Date
1.	Civil Engineering - UST University	B.Sc.	4/2023
2.	Structural Engineering - Sana'a University	M.Sc.	6/2021
3.	Structural Engineering - UST University	M.Sc.	5/2021
4.	Petroleum Engineering - UST University	B.Sc.	9/2020
5.	Civil Engineering - UST University	B.Sc.	10/2014

**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 Level:

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

#### Technical Skills & Proficiency:

- Proficiency in various research methodologies (e.g., experimental, theoretical, computational).
- Skill in laboratory equipment and procedures.
- The ability to effectively conduct research in teams and collaborate with colleagues from various related fields.
- Familiarity with academic research software and tools [e.g., Reference Management Tools (EndNote and Mendeley), Academic search engines (Google Scholar and Scopus), Journal selection tools, Turnitin, FE software, and Video conferencing software].
- Expertise in data analysis techniques using statistical software (e.g., SPSS).
- Ability to write successful research and grant proposals.
- Expertise in finite element program (ABAQUS).
- Expertise in drawing software such as AutoCAD (2D and 3D).
- Expertise in the structural analysis and design programs such as STAAD Pro., ETABS, and ROBOT Structural Analysis.
- Expertise in the AutoCAD structural detailing.
- Expertise in Microsoft office software (Word, Excel, and PowerPoint).

#### Publications & Books:

##### i. [Journal Publications](#)

1. Laouissi, A., Benkhelladi, A., Boumaaza, M., Karmi, Y., Hani, M., Belaadi, A., Zaitri, R., **Alshaikh, I.M.**, Ghernaout, D. and Chetbani, Y., 2025. Deep neural network modeling of the properties of sustainable high-performance concrete from industrial waste materials. *Results in Engineering*, p.106818. **WOS Indexed Journals, Q1.**
2. Altheeb, A., **Alshaikh, I.M.**, Abadel, A.A., Nehdi, M.L. and Abu Bakar, B.H., 2025. "Investigation of 3D steel frames with a reduced beam section and various web-opening shapes under internal column loss". *Journal of Asian Architecture and Building Engineering*, pp.1-24. **WOS Indexed Journals, Q3.**
3. Boumaaza, M., Belaadi, A., Alshahrani, H., **Alshaikh, I.M.** and Ghernaout, D., 2025. Modeling and Optimization of Tensile Properties of Epoxy Biocomposites Reinforced with Washingtonia robusta Waste and Biochar Using Response Surface Methodology, Artificial Neural Networks, and Multi-Criteria Decision-Making. *Journal of Natural Fibers*, 22(1), p.2540475. **WOS Indexed Journals, Q1.**

4. Benarioua, M., Amroune, S., Alshahrani, H., Belaadi, A., Hachaichi, A., **Alshaikh, I.M.**, Barhm, M. and Saada, K., 2025. Statistical Normalization of Mechanical Properties of Natural Date Palm Biofibers Using the Box-Cox Transformation. *Journal of Natural Fibers*, 22(1), p.2544176. **WOS Indexed Journals, Q1.**
5. Aberkane, A., Bendaikha, H., Benzidane, R., Jouenne, J.B., **Alshaikh, I.M.**, Belaadi, A. and Ghernaout, D., 2025. "Mechanical, Thermal, and Morphological Properties of Recycled PP and HDPE Green Composites Reinforced with Atriplex halimus Fibers". *Journal of Natural Fibers*, 22(1), p.2507157. **WOS Indexed Journals, Q1.**
6. Bao, C., Wang, H., Long, H., **Alshaikh, I.M.**, Al-Gaboby, Z. and Ma, X., 2025. "Study on progressive collapse mechanism of RC frame structures corroded by chloride". *Case Studies in Construction Materials*, 22, p.e04472. **WOS Indexed Journals, Q1.**
7. Bao, C., Long, H., Ma, X., **Alshaikh, I.M.**, Al-Mekhlafi, G., Peng, L. and Wang, H., 2025. "Experimental study on progressive collapse resistance of corroded RC continuous deep flexural members". *Engineering Failure Analysis*, 175, p.109543. **WOS Indexed Journals, Q1.**
8. Mebarkia, R., Bouzeroura, M., Boumaaza, M., Chelouah, N., Belaadi, A., **Alshaikh, I.M.**, Chetbani, Y. and Ghernaout, D., 2025. "Upcycling Cement Kiln Dust for Manufacturing clay bricks Fired at Different Temperatures: RSM and ANN-GA hybrid-optimization". *Results in Engineering*, p.105683. **WOS Indexed Journals, Q1.**
9. Sahraoui, M., Laouissi, A., Karmi, Y., Hammoudi, A., Hani, M., Chetbani, Y., Belaadi, A., **Alshaikh, I.M.** and Ghernaout, D., 2025. "AI-Driven predicting and optimizing lignocellulosic sisal fiber-reinforced lightweight foamed concrete: A machine learning and metaheuristic approach for sustainable construction". *Results in Engineering*, 26, p.105561. **WOS Indexed Journals, Q1.**
10. Khelifi, A., Boumaaza, M., Belaadi, A., Bourchak, M., Djedid, T., **Alshaikh, I.M.** and Ghernaout, D., 2025. "RSM approach-based analysis of the physical behavior of dune sand reinforced with Washingtonia waste contributing to mortar cleaner production". *Case Studies in Construction Materials*, p.e04335. **WOS Indexed Journals, Q1.**
11. Mezaouri, S., Mamoune, S.M.A., Siad, H., Lachemi, M., Boumaaza, M., Belaadi, A., **Alshaikh, I.M.**, Ghernaout, D., Chetbani, Y. and Laouissi, A., 2025. "Prediction of cementitious composite characteristics based on waste glass powder and aggregates: Experimental and statistical analysis". *Measurement*, p.117609. **WOS Indexed Journals, Q1.**
12. Arslane, M., Slamani, M., Elhadi, A., Amroune, S., Belaadi, A., **Alshaikh, I.M.** and Ghernaout, D., 2025. "Optimization of Drilling Parameters in Natural Fibers Composite Plates Based on Grey Relational Analysis". *Journal of Natural Fibers*, 22(1), p.2445554. **WOS Indexed Journals, Q1.**
13. Hadou, A., Belaadi, A., Boumaaza, M., Chai, B.X., Abdullah, M.M., **Alshaikh, I.M.**, Al-Khawlani, A. and Ghernaout, D., 2025. "The Impact of Test Number on the Mechanical Properties of Dracaena Draco Cellulose Fibers for Composite Structures: Weibull Statistic". *Journal of Natural Fibers*, 22(1), p.2442681. **WOS Indexed Journals, Q1.**
14. Wang, H., Bao, C., Ma, X., **Alshaikh, I.M.**, Al-Gaboby, Z. and Cao, J., 2025. "Improved BPNN models based on different algorithms to predict the flexural capacity of corroded RC beams". In *Structures* (Vol. 71, p. 107955). Elsevier. **WOS Indexed Journals, Q1.**
15. Abdellatif, H.E., Belaadi, A., Arshad, A., Chai, B.X., **Alshaikh, I.M.** and Ghernaout, D., 2025. "Advancing thermal energy storage: Unravelling the optimal orientation of annular phase change material containers within the tank". *Case Studies in Thermal Engineering*, 68, p.105931. **WOS Indexed Journals, Q1.**
16. Chetbani, Y., Boumaaza, M., Zaitri, R., Belaadi, A., Mahammed, A.B., Laouissi, A., **Alshaikh, I.M.** and Ghernaout, D., 2025. "Study of the Effect of Hemp Fibers and Brick Waste Powder on the Mechanical Characteristics of Mortar: Experimental and Statistical Analysis". *Journal of Natural Fibers*, 22(1), p.2438900. **WOS Indexed Journals, Q1.**
17. Zitouni, K., Boumaaza, M., Aidaoui, L., Lasbet, Y., EddineAbdellatif, H., Khan, S.A., Chetbani, Y., Belaadi, A., **Alshaikh, I.M.** and Ghernaout, D., 2025. "Numerical assessment of heat transfer and entropy generation of a mixed convection ferrofluid flow under the effect of a non-uniform magnetic field". *Case Studies in Thermal Engineering*, p.105788. **WOS Indexed Journals, Q1.**
18. Atoui, S., Belaadi, A., Boumaaza, M., **Alshaikh, I.M.** and Ghernaout, D., 2024. "Weibull Statistics and ANOVA Analysis of the Tensile Mechanical Characteristics of Chamaerops humilis Cellulose Fibers and Sustainable Twisted Yarns". *Journal of Natural Fibers*, 21(1), p.2431677. **WOS Indexed Journals, Q1.**

19. Saada, K., Amroune, S., Belaadi, A., Zaoui, M., **Alshaikh, I.M.** and Ghernaout, D., 2024. "Enhancing the Mechanical Characteristics of Eco-Friendly Composite Materials: Taguchi and RSM Optimization". *Journal of Natural Fibers*, 21(1), p.2427704. **WOS Indexed Journals, Q1.**
20. Hadou, A., Belaadi, A., **Alshaikh, I.M.** and Ghernaout, D., 2024. "Pyrolysis features of *Dracaena draco* lignocellulosic fibers: Kinetic and thermodynamic analysis at various heating rates through coats-redfern method." *Case Studies in Thermal Engineering*, 64, p.105406. **WOS Indexed Journals, Q1.**
21. **Alshaikh, I.M.**, Abadel, A.A., Nehdi, M.L. and Hamoda, A., 2024. "Impact of balcony geometry on the performance of rubberized concrete structures against progressive collapse". *Multidiscipline Modeling in Materials and Structures*, 20(5), pp.839-868. **WOS Indexed Journals, Q3.**
22. Bouyaya, L., Belaadi, A., Boumaaza, M., Lekrine, A., Chai, B.X., Chetbani, Y., Abdullah, M.M., Ghernaout, D. and **Alshaikh, I.M.**, 2024. "Chemical Processing Effect on the Tensile Strength of Waste Palm Fiber-Reinforced HDPE Biocomposite: Optimizing Using Response Surface Methodology". *Journal of Natural Fibers*, 21(1), p.2421810. **WOS Indexed Journals, Q1.**
23. **Alshaikh, I.M.**, Nehdi, M.L. Abadel, A.A., 2024. " Numerical investigations on progressive collapse of rubberized concrete frames strengthened by CFRP sheets". *Structures*, 60, 105918. **WOS Indexed Journals, Q2.**
24. Teyar, S., Gheribi, H., Boumaaza, M., Belaadi, A., Chai, B.X., Abdullah, M.M., **Alshaikh, I.M.**, Al-Khawlani, A. and Ghernaout, D., 2024. "Analyzing the *Strelitzia Juncea* Cellulosic Fibers Mechanical Properties' Experimental Data Using Various Statistical Methods". *Journal of Natural Fibers*, 21(1), p.2394142. **WOS Indexed Journals, Q1.**
25. Fnides, M., Amroune, S., Belaadi, A., Saada, K., Chai, B.X., Abdullah, M.M., **Alshaikh, I.M.**, Ghernaout, D. and Al-Khawlani, A., 2024. "Modeling and Optimizing the Alkaline Treatment Process to Enhance the Date Palm Fibers' Tensile Mechanical Properties Using RSM". *Journal of Natural Fibers*, 21(1), p.2384663. **WOS Indexed Journals, Q1.**
26. **Alshaikh, I.M.**, Abadel, A.A., Tuladhar, R., Alwathaf, A.H., Nehdi, M.L., 2023. "Progressive collapse resistance of post-fire cellular beam-column substructures with various web-opening shapes". *Structures*, 55, pp. 1874–1893. **WOS Indexed Journals, Q2.**
27. Abadel, A.A., Abbas, H., **Alshaikh, I.M.**, Tuladhar, R., Altheeb, A. and Alamri, M., 2023. "Experimental Study on the Effects of External Strengthening and Elevated Temperature on the Shear Behavior of Ultra-High-Performance Fiber-Reinforced Concrete Deep Beams". *Structures*, 49, pp. 943–957. **WOS Indexed Journals, Q2.**
28. **Alshaikh, I.M.**, Abadel, A.A., Sennah, K., Nehdi, M.L., Tuladhar, R. and Alamri, M., 2022. "Progressive Collapse Resistance of RC Beam–Slab Substructures Made with Rubberized Concrete". *Buildings*, 12(10), p.1724. **WOS Indexed Journals, Q1.**
29. Wasim, M., Abadel, A., Bakar, B.H.A. and **Alshaikh, I.M.**, 2022. "Future Directions for the Application of Zero Carbon Concrete in Civil Engineering-A Review". *Case Studies in Construction Materials*, p.e01318. **WOS Indexed Journals, Q1.**
30. **Alshaikh, I.M.** and Zeyad, A., 2022. "Reliability of the tests' results of Schmidt Hammer and core cutting for assessing actual compressive strength of concrete". *Journal of Building Pathology and Rehabilitation*, 7(1), pp.1-10. **Scopus Indexed Journals.**
31. **Alshaikh, I.M.**, Bakar, B.A., Alwesabi, E.A., Abadel, A.A., Alghamdi, H., and Tuladhar, R., 2022. " Progressive collapse behavior of steel fiber-reinforced rubberized concrete frames." *Journal of Building Engineering*, 57, p.104920. **WOS Indexed Journals, Q1.**
32. Abdullah, G.M., **Alshaikh, I.M.**, Zeyad, A.M., Magbool, H.M. and Bakar, B.A., 2022. "The Effect of Openings on the Performance of Self-Compacting Concrete with Volcanic Pumice Powder and Different Steel Fibers". *Case Studies in Construction Materials*, 17, p.e01148. **WOS Indexed Journals, Q1.**
33. **Alshaikh, I.M.**, Bakar, B.A., Alwesabi, E.A., Abadel, A.A., Alghamdi, H., and Wasim, M., 2022. "An Experimental Study on Enhancing Progressive Collapse Resistance Using Steel Fiber-Reinforced Concrete Frame". *Journal of Structural Engineering (ASCE)*, 148(7), p.04022087. **WOS Indexed Journals, Q2.**
34. Abadel, A., Abbas, H., Almusallam, T., **Alshaikh, I.M.**, Khawaji, M., Alghamdi, H. and Salah, A.A., 2022. "Experimental Study of Shear Behavior of CFRP Strengthened Ultra-High-Performance Fiber-Reinforced Concrete Deep Beams". *Case Studies in Construction Materials*, 16, p.e01103. **WOS Indexed Journals, Q1.**
35. Altheeb, A., **Alshaikh, I. M.**, Abadel, A., Nehdi, M., & Alghamdi, H., 2022. "Effects of Non-Structural Walls on Mitigating the Risk of Progressive Collapse of RC Structures". *Latin American Journal of Solids and Structures*, Vol. 19(3), pp. 1–18, e440. **WOS Indexed Journals, Q4.**

36. Alwesabi, E.A., Bakar, B.A., **Alshaikh, I.M.**, Abadel, A.A., Alghamdi, H., and Wasim, M., 2022. "An experimental study of compressive toughness of Steel–Polypropylene hybrid Fibre-Reinforced concrete". *Structures*, 37, pp. 379–388. *WOS Indexed Journals, Q2*.
  37. **Alshaikh, I.M.**, Alshaikh, I.M., Abadel, A.A. and Alrubaidi, M., 2022. "Precast RC structures' progressive collapse resistance: Current knowledge and future requirements". *Structures*, 37, pp. 338-352. *WOS Indexed Journals, Q2*.
  38. Al-Gaboby, Z., Al-Wesabi, E.A. and **Al-Shaikh, I.M.**, 2021. "The Behavior of Joint Between Steel Beam and Concrete-Filled Steel Tube Column Under Fire". *Journal of Science and Technology*, 26(1), pp. 21-43, ISSN: 1607-2073.
  39. 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. *WOS Indexed Journals, Q2*.
  40. **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. *WOS Indexed Journals, Q2*.
  41. 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. *WOS Indexed Journals, Q2*.
  42. **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. *WOS Indexed Journals, Q2*.
  43. 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. *WOS Indexed Journals, Q1*.
  44. **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. *WOS Indexed Journals, Q1*.
  45. A.M. Zeyad, M.A.M. Johari, B.A. Tayeh, **Alshaikh, I.M.**, 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*.
  46. **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.
- 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.

#### Academic Awards:

1. Recognized as the top-ranked scientist in Yemen in the field of "civil engineering" in the AD Scientific Index - Scientists Rankings - for 2023, 2024, and 2025.
2. Universiti Sains Malaysia Award "**Sanggar Sanjung 2022**": Journal Publication Category Paper "An experimental study of compressive toughness of Steel–Polypropylene hybrid Fibre-Reinforced concrete" - *Structures Journal*; and "Future directions for the application of zero carbon concrete in civil engineering—a review" - *Case Studies in Construction Materials Journal*.
3. Universiti Sains Malaysia Award 2021: "**GRADUATE ON TIME**" status for the Ph.D. study.

4. Universiti Sains Malaysia Award "**Sanggar Sanjung 2020**": Journal Publication Category Paper "Experimental investigation on mechanical properties of plain and rubberised concretes with steel-polypropylene hybrid fibre" - Construction and Building Materials Journal.
5. Universiti Sains Malaysia Award "**Sanggar Sanjung 2019**": Journal Publication Category Paper "Progressive collapse of reinforced rubberised concrete: Experimental study" - Construction and Building Materials Journal.
6. University of Science and Technology Honour Certificate in **2008**, for the B.Sc. study.

#### Reviewing Activities and Scientific Contributions:

##### i. Editorial Board Member in:

1. Journal of Research on Engineering Structures & Materials (**RESM**); MIM RESEARCH GROUP, **Türkiye**, Scopus Indexed, **2025**. <https://jresm.org/editorial-board/>.
2. Emerging Technologies and Engineering Journal (**ETEJ**); EngiScience Publisher, **Iraq**, **2025**. <https://engiscience.com/index.php/etej/about/editorialTeam>.
3. Journal of Emerging Engineering Technologies (**JEET**), ProBiologists Publisher, **London, UK**, **2025**. <https://www.probiologists.com/journal/Journal-of-Emerging-Engineering-Technologies-editors>.
4. International Journal of Emerging Trends in Engineering and Technology (**IJETET**), Scholastic Research Publication, **Tamil Nadu, India**, **2025**. <https://internationaljournalsrtp.org/index.php/ijetet/about/editorialTeam>.
5. **Guest Editor** of the Special Issue (Modelling Collapse Behaviour and Mechanism of the Structures) in the Journal of Modelling and Simulation in Engineering, WOS Indexed, **2024**. <https://onlinelibrary.wiley.com/doi/toc/10.1155/8203.si.622757>.

##### ii. Reviewing Articles in Academic Journals:

1. Review committee member for **4<sup>th</sup>** Civil, Structural and Environmental Engineering (**ISCSEE2026**), Prague, Czech Republic. <https://civilengineering.spectrumconferences.com/committee>.
2. Review committee member for the **8<sup>th</sup>** International Conference on Engineering and Applied Technology (**ICEAT 2024**), Yogyakarta, Indonesia. <https://iceat.ast-ptma.or.id/>
3. Review committee member for the **2<sup>nd</sup>** International Conference on Advanced Civil Engineering and Smart Structures (**ACCESS 2023**), ChengDu, China. <https://www.icaccess.org/ACCESS2023/pages/committee.html>
4. Review committee member for the **1<sup>st</sup>** International Conference on Advanced Civil Engineering and Smart Structures (**ACCESS 2022**), ChengDu, China. <https://www.icaccess.org/ACCESS2023/access2022/pages/committee.html>
5. Reviewed more than "**100**" papers for the following highly reputed international journals:

Publisher	Journals
<b>Elsevier</b>	(i) Journal of Building Engineering; (ii) Engineering Structures; (iii) Construction and Building Materials ;(iv) Structures; (v) Case Studies in Construction Materials; (vi) Cleaner Engineering and Technology; (vii) Diamond and Related Materials; (viii) Next Materials; (ix) Results in Engineering.
<b>Taylor &amp; Francis</b>	(i) Journal of Earthquake Engineering; (ii) Journal of Structural Integrity and Maintenance.
<b>Springer</b>	(i) KSCE Journal of Civil Engineering; (ii) Arabian Journal for Science and Engineering; (iii) Discover Civil Engineering; (iv) Journal of Building Pathology and Rehabilitation; (v) Asian Journal of Civil Engineering
<b>MDPI</b>	(i) Buildings; (ii) Materials; (iii) Applied Sciences; (iv) Sustainability; (v) Polymers.
<b>Sciendo</b>	(i) Materials Science Poland.

**Postgraduate Students:**

No.	Student	Title	Status
1.	Mohammed Abdulkareem Asfan	"Comparative Study Between Referenced Experimental and Simulated Results of CFRP-Enhanced Reinforced Concrete Beams Using ABAQUS Software" M.Sc. (Co-Supervisor) - Sana'a University	In progress
2.	Sulaiman Al-sewri	"Retrofitting and Strengthening of RC Frame by ECFRP and HSC after Progressive Collapse" M.Sc. (Co-Supervisor) - Sana'a University.	In progress

**Thesis Examiner:**

1. M.Sc. (Internal), 2021, Title: Explosion effect on the non-lateral load resistance system of a structure building: numerical study, University of Science and Technology, Sana'a, Yemen.

**Professional Affiliations:**

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

**References:**

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