



Khalid Saqer S Alotaibi [LinkedIn](#)

Associate Professor

Nationality | Saudi Arabian

Date of Birth | December 1984

Occupation | Chairman and Associate Professor at Civil and Construction Engineering Department, College of Engineering, Imam Abdulrahman Bin Faisal University, Dammam, Saudi Arabia

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Language Proficiency

Language	Read	Write	Speak
Arabic	Excellent	Excellent	Excellent
English	Excellent	Excellent	Excellent

Academic Qualifications

Date	Academic Degree	Institution	Address
Oct. 09, 2018	Ph.D. Civil Engineering	Concordia University	Montreal, Quebec, Canada
Feb. 12, 2013	Master of Science Civil Engineering	California State University	Fullerton, California, USA
June 03, 2008	Bachelor of Science Civil Engineering	King Abdulaziz University	Jeddah, KSA
May 31, 2021, to June 23, 2021	Academic Leadership Diploma	Joint program between King Abdulaziz University and Imam Abdulrahman Bin Faisal University	Online

PhD Research Title

Doctor of Philosophy in Civil Engineering	
Dissertation	Axial-Flexural Behaviour of Reinforced Concrete Masonry Columns Confined by FRP Jackets



Professional Record

Job Rank	Place and Address of Work	Date	
Chairman	Civil and Construction Engineering Department College of Engineering Imam Abdulrahman Bin Faisal University	Aug. 22, 2021	Present
Associate Professor	Civil and Construction Engineering Department College of Engineering Imam Abdulrahman Bin Faisal University	Nov. 8, 2023	Present
Consultant Engineer	Saudi Council of Engineers	Nov. 29, 2024	Present
Assistant Professor	Civil and Construction Engineering Department College of Engineering Imam Abdulrahman Bin Faisal University	Dec. 8, 2020	Nov. 8, 2023
Assistant Professor	Building Engineering department College of Architecture and Planning Imam Abdulrahman Bin Faisal University	Oct. 23, 2018	Dec. 8, 2020
Lecturer	Building Engineering department College of Architecture and Planning Imam Abdulrahman Bin Faisal University	May. 25, 2013	Oct. 23, 2018
Teaching assistant	Building Engineering department College of Architecture and Planning Imam Abdulrahman Bin Faisal University	May. 02, 2009	May. 25, 2013
Civil Engineer	Engineering department in the Ministry of Education at Taif	Oct. 27, 2008	Apr. 13, 2009



Administrative Appointments and Roles

Chairman of Civil & Construction Engineering Department, College of Engineering, Imam Abdulrahman Bin Faisal University, Dammam, Saudi Arabia

As the department chairman, Dr. Alotaibi has demonstrated extensive experience in managing and leading an academic department with over 20 international professors and 250 students. Some of his key achievements include:

- Effectively managed internal and external communication and conducted regular department meetings to ensure smooth functioning.
- Spearheaded the development of a new curriculum for the Construction Engineering program, benchmarking it against leading international universities. This resulted in increased student engagement and improved academic performance.
- Facilitated the creation of new undergraduate and graduate programs, including a Master of Science in Civil Engineering and a multidisciplinary Master of Safety Engineering program, to cater to the evolving needs of students. The Safety Engineering program is a successful industry collaboration with partners like the GCC Electrical Testing Laboratory, Civil Defense, and the Higher Commission for Industrial Security.
- Collaborated closely with other departments and the college deanship to integrate new procedures and resources for the department.
- Built a strong network of industry professionals and academics, providing valuable employment opportunities for students.
- Managed the department's laboratories to ensure achievements in teaching, research, and safety.
- Represented the department at the college council, advocating for its needs and goals.
- Developed and implemented effective policies and procedures to ensure ABET accreditation standards were met.
- Supervised the implementation of assessment and evaluation systems to maintain the quality of instruction and student learning.
- Utilized data-driven decision-making to assess and improve the performance of faculty, staff, and students.

Head of Engineering Committee, Crises and Disaster Center, Emirate of Eastern Province

In this role, Dr. Alotaibi successfully formed and led an Engineering Committee comprising 8 experienced members from industry and academia. His key contributions include:

- Expertise in developing and implementing effective strategies to mitigate and manage crises and disasters.
- Skilled in coordinating with multiple stakeholders to ensure a timely and efficient response to crises and disasters.



- Adept at using data-driven approaches to identify potential risks and develop contingency plans.
- Successfully managed the response to the collapse of the Al-Saeed tower parking lot.

Scientific Review Committee for Engineering and Computer Science Programs, Deanship of Graduate Studies

As a member of this committee, Dr. Alotaibi provided valuable insight and feedback to ensure the graduate programs' curricula aligned with national and university regulations. His contributions included:

- Collaborating with colleges to review and revise the curriculum to keep it up-to-date and relevant to industry and international academia.
- Recommending external and international reviewers to enhance and evaluate the graduate degree program curricula.

Quality of Assessment and Examinations Center

Dr. Alotaibi's experience in this role involved developing and implementing quality assurance processes to maintain the highest standards of student assessment and examinations, ensuring accuracy and reliability of results. He also created and delivered effective training programs to equip professors with the necessary knowledge and skills in assessment and examination procedures.

Faculty Recruitment Committee, College of Engineering

As a member of the Faculty Recruitment Committee, Dr. Alotaibi contributed to the successful recruitment of highly qualified faculty members for the college. His key achievements include:

- Developing and implementing a comprehensive recruitment strategy to attract and retain top-tier faculty.
- Establish a rigorous screening process to ensure the selection of the most qualified candidates.
- Conducting and organizing recruitment interviews to evaluate candidates.

Student Disciplinary Committee, College of Architecture and Planning

Scientific Achievements

Refereed Scientific Journal Papers

#	Name of Investigator(s)	Research Title	Journal	Submitted Date
1	Alotaibi, K.S. , and Galal, K.	Axial compressive behavior of grouted concrete block masonry columns confined by CFRP jackets	Elsevier Journal of Composites Part B: Engineering, 114(1), 467–479	2017
2	Alotaibi, K.S. , and Galal, K.	Experimental study of CFRP confined reinforced concrete masonry columns tested under concentric and eccentric loading	Elsevier Journal of Composites Part B: Engineering, 155, 257–271	2018
3	Nasir, M., Adesina, A., Ibrahim, M., Khan, M.U., Al-Amoudi, O.S., Imran Ali, S., Maslehuddin, M., Alotaibi, K.S.	Role of casting and curing conditions on the strength and drying shrinkage of greener concrete	Environmental Science and Pollution Research	2022
4	Farooqi, M. A., Ali, K., Shah, I.A., Alotaibi, K.S.	Effect on bearing capacity and settlement behaviour of fly-ash reinforced with fine micropiles	Geomechanics and Geoengineering	2022
5	Alotaibi, K.S. , Saiful Islam, A.B.M., Galal, K.	Axial performance of grouted C-Shaped concrete block masonry columns jacketed by carbon and glass FRP	Elsevier Journal of Engineering Structures, 267, 114698	2022
6	Al-Jamimi, H.A., Al-Kutti, W.A., Alwahaishi, S., Alotaibi, K.S.	Prediction of compressive strength in plain and blended cement concretes using a hybrid artificial intelligence model	Elsevier Journal of Case Studies in Construction Materials, 17, e01238	2022
7	Alotaibi, K.S. , AbdelRahman, B., Galal, K.	Analytical study and design approach of the axial and flexural response of reinforced masonry columns confined with FRP jackets	Elsevier Journal of Engineering Structures, 269, 114805	2022
8	Alotaibi, K.S.	Utilizing crushed fired clay brick as replacement	International Review of Civil	2022



		of coarse aggregate in concrete mix	Engineering (IRECE), 13.4	
9	Diab, S. H., Soliman, A. M., Alotaibi, K.S. , Nokken, M. R.,	Application of Stiffness Damage Test on Rubberized Concrete	Journal of Testing and Evaluation Volume 51, Issue 2	2022
10	Al-Kutti, W. A., Saiful Islam, A.B.M., Kazmi, Z.A., Sodangi, M., Anwar, F. Nasir, M., Ahmed, M.A.A., Alotaibi, K.S. ,	Structural performance and SWOT analysis of multi-story buildings of lightweight reinforced concrete comprising local waste materials	Earthquakes and Structures, Vol. 23, No. 6 (2022) 493-502	2022
11	Nasir, M., Saiful Islam, A.B.M., Alotaibi, K.S., Al-Kutti, W. A.,	Evolution of Arabic Gum-based green mortar towards enhancing the engineering properties—Fresh, mechanical, and microstructural investigation	Elsevier Journal of Construction and Building Materials, 365, 130025	2023
12	Aziz, M.A., Zubair, M., Alotaibi, K.S. , Nasir, M., Manzar, M.S., Hussein, T.N., Alharthi, Y.M.	Development and Evaluation of Engineered Nanocellulose-Based Mortar Synthesized Using Hydrolysis of Strong and Weak Acids	Arabian Journal for Science and Engineering	2023
13	Alotaibi, K.S. , Saiful Islam, A.B.M.	Symbolic Regression Model for Predicting Compression Strength of Prismatic Masonry Columns Confined by FRP	Buildings	2023
14	Aziz, M.A., Zubair, M., Saleem, M., Alharthi, Y.M., Ashraf, N., Alotaibi, K.S. , Aga, O., Al Eid, A.A.	Mechanical, non-destructive, and thermal characterization of biochar-based mortar composite	Biomass Conversion and Biorefinery	2023
15	Abd-Elhamed, A., Mahmoud, S., Alotaibi, K.S.	Nonlinear analysis of reinforced concrete buildings with different heights and floor systems	Nature Scientific Reports 13 (1), 14949	2023



16	Shaawat, M.E., Binomar, A., Almohassen, A.S., Alotaibi, K.S. , Sodangi, M., Aftab, A.	Towards attaining efficient management of berth maintenance in Saudi Arabian Industrial Ports	Structural Monitoring and Maintenance Volume 10, Number 1, March 2023, pages 025-42	2023
17	Sodangi, M., Alotaibi, K. S.	Examining the challenges impeding the utilization of construction materials with lower embodied carbon in the construction sector	Journal of Asian Architecture and Building Engineering, 1–13.	2024
18	Alotaibi, K.S.	Predicting the strength of fiber reinforced polymer materials externally bonded to masonry using artificial intelligent techniques	Frontiers of Structural and Civil Engineering, 1–20.	2025



Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

#	Name of Investigator(s)	Research Title	Conference and Publication Date
1	Alotaibi, K.S. , Abo ElEzz, A., Galal, K.	Strengthening of concrete block masonry columns with FRP	The 7th International Conference on Advanced Composite Materials in Bridges and Structures (ACMBS-VI), Vancouver, Canada, (2016)
2	Alotaibi K.S and Galal K	Compressive strength of FRP-confined concrete masonry with and without longitudinal steel reinforcement	Proceedings of the Thirteenth North American Masonry Conference. Paper presented at the 13 th North American Masonry Conference, Salt Lake City, Utah (pp. 1523–1529). ISSN 1053-2366.
3	Alotaibi K.S and Galal K	Application of artificial neural network in predicting compression strength of clay brick masonry prism	Proceeding, 14th Canadian Masonry Symposium, Montreal, QC, Canada, (2021)
4	Alotaibi, K.S. , AbdelRahman, B., Galal, K.	Axial-flexural interaction for FRP-confined reinforced masonry columns	Proceeding, 11th International Conference on Structural Health Monitoring of Intelligent Infrastructure (SHMII-11), Montreal, QC, Canada, (2022)
5	Saiful Islam, A.B.M., Alotaibi, K.S. , Al-Kutti, W. A., Anwar, F., Nasir, M., Algam, Y.K., AlEid,A., Alqahtani, A.	Comparative influence of lateral loadings on multistoried structures in coastal region	University of Bahrain 6th IET Smart Cities Symposium, 6-8 December 2022



6	Nasir, M., Al-Kutti, W. A., Saiful Islam, A.B.M., Alotaibi, K.S. , AlEid, A., Algatam, Y.K., Alqahtani, A.	Preliminary investigation and SWOT analysis of sustainable mortar utilizing Arabic Gum	Advanced Topics in Mechanics of Materials, Structures and Construction: AToMech1-2023 (Materials Research Proceedings)
7	Alotaibi, K.S. ,	Shear Capacity Prediction of Squat Flanged Walls Using Machine Learning Approach with CatBoost and CTGAN	1st International Conference Civil and Environmental Engineering for Resilient, Smart and Sustainable Solutions (CEES2024)
8	Nasir, M., Alammari, A. A., Alkulaibi, A. K., Busaleh, M. A., Ibrahim, M., Saiful Islam, A. B. M., Alotaibi, K. S. , Anwar, F.	Early-Age Properties of Silicomanganese Fume and Metakaolin- Based Cement Mortar Designed Using RSM	1st International Conference Civil and Environmental Engineering for Resilient, Smart and Sustainable Solutions (CEES2024)



Funded Research Projects

#	Name of Investigator(s) (Supported by)	Research Title	Report Date	Amount	Extent of Contribution
1	Farooqi, Mohd Alotaibi, Khalid (Deanship of Scientific Research IAU) Saudi Arabia	A novel methodology to improve bearing capacity and settlement of Sabkha soil using ultra-micro piles and geotextiles	April 2020	69000 SAR	Co-Investigator
2	Galal, Khaled (The Natural Sciences and Engineering Research Council Grants) Canada	Curvature ductility of reinforced masonry shear walls' confined boundary elements	April 2014	25000 CAD	Performing tests and drafting the report

Awards and Scholarships

#	Provider	Awards and Scholarships	Amount
1	Imam Abdulrahman Bin Faisal University	MS and PhD scholarships	Full
2	Concordia University	Conference and Exposition Award	1000 CAD
3	Concordia University	2018 Accelerator Award	5000 CAD
4	Concordia University	Concordia University Special Entrance award	20000 CAD

Contribution to Scientific Journal

#	Journal Title	Publisher	Extent of Contribution
1	Journal of Materials in Civil Engineering	American Society of Civil Engineers	Reviewer
2	PLOS ONE	Public Library of Science	Reviewer
3	Construction Economics and Building	UTS ePress	Reviewer
4	Structural Engineering and Mechanics, An International Journal	Techno-Press	Reviewer



Contribution to Scientific Conferences and Symposia

#	Conference Title	Place and Date of the Conference	Extent of Contribution
1	14th Canadian Masonry Symposium	Montreal, Quebec, Canada. May 2021	A member of the technical committee
2	1st SCCEE International Virtual Conference: Building the Future – Innovations and Challenges in Sustainable Civil Engineering.	Virtual Conference June 2024	A member of the technical committee
3	1st International Conference Civil and Environmental Engineering for Resilient, Smart and Sustainable Solutions (CEES2024)	Dammam, Saudi Arabia November 2024	A member of the technical committee and session chair
4	15th Canadian Masonry Symposium	Ottawa, Ontario, Canada Jun 2025	A member of the technical committee

Teaching Activities

#	Course	No./Code	Extent of Contribution
Graduate			
1	Construction Safety Management	CONEN 616	Main instructor
2	Building Information Modelling (BIM) in Construction	CONEN 621	Main instructor
3	Engineering Design	MET ENGR 502	Main instructor
4	Civil and Environmental Engineering	MET ENGR 601	Main instructor
5	Sustainable Construction	CONEN 617	Main instructor
6	Strategic Planning in Construction	CONEN 619	Co-instructor
7	Qualitative & Quantitative Risk Analysis	SAFEN 606	Co-instructor
Undergraduate			
1	Concept of Structures	ARCH-211	Main instructor
2	Statics	ENG-232	Main instructor
3	Reinforced Concrete Design	BSTC-421	Main instructor
4	Design of Reinforced Concrete Structures	CONEN-451	Main instructor
5	Professional Practice and Ethics	HUMN-501	Main instructor
6	Design Studio (8): Technical Project (BIM)	BSTC-402	Co-instructor
7	Engineering Drawing	ENG-232	Coordinator
8	Design Studio (9): Technical Project (Integrated Design)	BSTC-501	Co-instructor



9	Structural Steel Design	BSTC-441	Co-instructor
10	Geotechnical Engineering	BSTC-422	Co-instructor
11	Senior Design Project I	CONEN-521	Main instructor
12	Senior Design Project II	CONEN-522	Main instructor

Workshops			
1	Modern Maintenance Management Skills (5 days)	Royal Saudi Air Defense Forces	Main instructor
2	Testing the Quality of Buildings (3 days)	Ministry of Health	Main instructor
3	Quality in the Residential Buildings (3 days)	Ministry of Health	Main instructor
4	Establish Electronic Identity of The Scientific Researchers (3 days)	Ministry of Health	Main instructor
5	Searching Skills in International Electronic Databases (3 days)	Ministry of Health	Main instructor
6	Advanced Asset Integrity in Facility Management (3 days)	Ministry of Health	Co-instructor

Technical Skills

1	Experimental skills for research in Structure Lab
	Scaling Sample
	Design Data acquisition DAQ and instrumentations system for conducting tests in Structure Labs
	Standards concrete tests
	FRP material tests
	Upgrading Universal Testing Machine
	Reaction Frames (actuators, sensors, strain gauges, displacement and loading control)
2	Skills for Construction Projects
	Head of projects
	Preparing bills of quantities and financial documents
	Monitoring safety in sites
	Inspecting the work of construction contractors
	Evaluating structural performance for structures
	Building design and retrofitting
	Health monitoring systems
	Engineering arbitration
3	Software
	Staad Pro
	Etabs
	Microsoft Excel VBA
	RC design software
	Python coding



Administrative Work, Committee Membership and Community Services

Outside IAU University	
Head	Crises and Disaster Center at Emirate of Eastern Province – Civil Engineering Committee
Founder	Consultants Center for Civil Engineering Studies, commissioned by the Institute of Consulting Studies & Service at Imam Abdulrahman bin Faisal University
IAU Representative	Workshop between the Ministry of Education and universities to study the feasibility of expanding maritime colleges in Saudi Arabia.
Instructor	Mawhiba Academic Enrichment Program by King Abdulaziz and his Companions Foundation for Giftedness and Creativity
University Level	
Member	Engineering and Computer Science Program Review Committee at the Deanship of Graduate Studies
Member	Quality of Assessment and Examinations Center
College Level	
Head	Master program NCAAA Accreditation Committee
Head	Quality of Assessment and Examinations Unit
Head	The College's Examination Contingency Plan
Head	Assessment and Examinations Policies and Procedures Guide (Student Version)
Member	The College's Student Disciplinary Committee
Member	The College's Faculty Recruitment Committee
Member	The College's ABET Accreditation Committee
Member	The College's Transfer Admissions Committee
Member	The College's Online Exam Committee
Member	Student Supervision Handbook Committee
Member	Laboratories Upgrading Committee
Department Level	
Head	Strategic Planning and Risk Management Committee
Head	Curriculum Area Committees (C. Structures) in Building Engineering department
Member	Undergraduate Program Review and Development Committee
Member	KPI Data Collection Committee
Member	Evaluation and Examination Committee



Workshops and Non-Credit Courses

A	Concordia Professional Development
1	GPDI 513 Intro to Python Units 4.00
2	GPLD 140 Foundations of Leadership Units 2.00
3	GPLD 142 Leading Teams for Success Units 2.00
4	GPLD 143 Negotiation/Persuasion Skills Units 2.00
5	GPLD 146 Managing People's Performance Units 2.00
6	GPSC 415 Writing Professional Summaries Units 2.00
7	ANSYS Workshop
8	ETABS Workshop
B	Imam Abdulrahman Bin Faisal University
1	New Faculty Members Mentoring Program by Deanship of Academic Development (Mentor)
2	Developing Core Competencies in Teaching and Learning for Faculty Members
3	Workshop on Exam Paper Template - Characteristic of good Exam
4	Workshop on Analyzing and Reading test's results
5	Workshop on Enhancing learning through the use of technology
6	Workshop on Say it Like You Mean it
7	Workshop on Assessing Projects and Laboratories
8	Workshop on Leadership Presence
9	Workshop on Entering Grades in PeopleSoft
10	Workshop on introduction to Artificial Intelligence
11	Workshop on Using the Understanding by Design (UbD) for Course Planning
C	Workshops
1	Workshop Artificial Intelligence by King Fahd University of Petroleum and Minerals
2	High Fidelity Non-Linear Structural Analysis - Buildings Under Extreme Load by THE STEEL NETWORK
3	Intellectual Property In eLearning by National eLearning Center
4	Applying Modern Construction Methods in Housing Projects by Saudi Contractors Authority
5	Saudi Building Code Requirements for Earthquake Protection by Saudi Contractors Authority
6	Enhancing the role of leadership in the implementation of generative artificial intelligence applications by programs and Training Unit at the Leadership center
7	Engineering Arbitration in Construction Contracts by Saudi Contractors Authority
8	Municipal Project Management Guide by Saudi Contractors Authority

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