



جامعة أم القرى
UMM AL-QURA UNIVERSITY

College of
Engineering and Architecture

Department of
Architecture

Faculty

Curriculum Vitae


2025-2026



Faculty Curriculum Vitae (Professors)

2025-2026

Curriculum Vitae of Faculty Members over the Past Five Years.

Name:	Adel Mohammad Ahmad Binyaseen				
Position:	Staff member				
Academic Career:					
Degree	Specialization	Institution	Year		
Ph.D.	Architecture	University of Strathclyde	1994		
M.Sc.	Architecture	University of Strathclyde	1988		
	Architecture	King Abdulaziz University	1987		
Employment:					
Position	Employer	Period			
Professor	Umm Al-Qura University	2010-now			
Associate Professor	Umm Al-Qura University	1999-2009			
Assistant professor	Umm Al-Qura University	1995-1999			
Research and development projects over the past 5 years:					
Name of project or research focus	Period	Partners (if applicable)	Amount of funding		
Thermal performance of R.C. domes	Jan 2021-Dec. 2021		0		
Roof Drainage Systems	Jun. 2024-May 2025		0		
Industry Collaborations over the past 5 years:					
Project Title	Partners	Year			
Patents and Proprietary rights:					
Title	Year				
Publications (published papers and books over the past 5 years:					
Total numbers:					
Authors	Title	Publisher	Place of Publication	Date of Publication	Volume, issue, page number
Oumr Adnan Osra, Kholood Alkhamis, Fatmah Alkhatib, Mohammed T. Alotaibi, Marwah A. Alsharif, Adel M. Binyaseen, Nashwa M. El-Metwaly, Fawaz A. Saad.	Spectroscopic, AC conductivity and dielectric properties of Nd2O3 doped lithium silicophosphate glass	Springer	Journal of Saudi Chemical Society	Aug. 2025	(2025) 29:16 https://doi.org/10.1007/s44442-025-00014-0
Yasmeen A. S. Hameed, Oumr Osra, Alaa Munshi, H. Alsharif, Alia A. Alfi, Adel M. Binyaseen, Nashwa M. El-Metwaly, 2025, , ,	Dual-functionality glasses: Optimizing optical transmission and gamma-ray attenuation in transition metal oxide-doped bismuth silicates for next-generation windows	Scientific Scholar	Arabian Journal of Chemistry	DOI:10.25259/AJC_160_2025; Received: 2025-02-17, Accepted: 2025-04-23,	Epub ahead of print: 2025-07-25.
Alkhamis, K., Alghasham, H., Albandary, A., Alessa, H., Osra, O., Al-Ghamdi, S., Binyaseen, A., Metwaly, N.	Iron borophosphate glasses: Merging optical transparency, structural integrity, and radiation shielding efficacy for sustainable uses	Scientific Scholar	Arabian Journal of Chemistry	September 2024, 105875.	2024 (17)9,
Bouthaina S., Osra, O., Binyaseen, A., Qattan, W.	Analyzing Urban Climatic Shifts in Annaba City: Decadal Trends, Seasonal Variability and	MDPI	Atmosphere	2024	2024., 2024, 15, 529, https://doi.org/10.3390/atmos150505

	Extreme Weather Events.				29
Binyaseen, A., 2024., ,	Office Design Features and Future Organizational Change toward Supporting Sustainability	MDPI	Buildings	2024	14(1), 260; https://doi.org/10.3390/buildings14010260
Binyaseen A., Alaysuy, O., Alhasani, M., Sallam, S., Alkhatib, F., Alkhamis K., Shah, R., El-Metwaly, N.	Novel strategy toward color-tunable and glow-in-the-dark colorless smart natural wooden window.	Elsevier	Journal of Photochemistry and Photobiology A: Chemistry	2024	Volume 448, 1 February 2024, 115321
Alhasani, M.; Alkhatib, F., Al-bonayan, A., Shah, R., Binyaseen, A., Al-Qahtani, S., Saad, F., El-Metwaly, N.	Preparation of glass nanofibers to reinforce polymethyl methacrylate toward persistent photoluminescent bricks.	Elsevier	Journal of Photochemistry and Photobiology A Chemistry,	2023	2023. June 2023 444(23):114 988 DOI:10.1016/j.jphotochem.2023.114988
Al-Ahmed, Z.; Alatawi, N.; Alkhamis, K., Alkathami, N., Binyaseen, A., Abumelha, H., El-Metwaly, N.	Development of glow-in-the-dark and color-tunable poly(methyl methacrylate) plastic concrete immobilized with rare-earth aluminate	Elsevier	Journal of Photochemistry and Photobiology A: Chemistry,	2023	Volume 444, 1 October 2023, 114959
Binyaseen A.	Improving thermal performance of existing uninsulated R.C. domes through passive cooling measures using polyurethane foam in double skin layer in hot climate.	Elsevier	Case Studies in Construction Materials	June 2022	Vol. 16
Abdo Absi, Adel M. Binyaseen and Abdulghani Monawar	Planning of Urban Quarters, Districts and Neighbourhoods in Islam's Holiest City: A Comparative Analytical Study	The Scientific Journal of King Faisal University	The Scientific Journal of King Faisal University	June 2022	Vol. 23
B. Ranjithkumar, E. Ranjith Kumar , H.B. Ramalingam , C. Sharmila Rahale , Mohamed H. H. Mahmoud , Adel M. Binyaseen , Ali A. Keshk , Nashwa M. El-Metwaly.	Bio-ingredients assisted synthesis of Fe doped zinc oxide nanostructures: Study on structural, optical, morphological and thermal properties	Elsevier	Ceramics International	December 2021	Volume 47, Issue 24, 15, Pages 35378–35383
Adel M. Binyaseen , Abrar Bayazeed , Samar Y. Al-nami , Khulood Abu Al-Ola , Sara A. Alqarni , Shams H. Abdel-Hafez , Nashwa M. El-Metwaly	Development of epoxy/rice straw-based cellulose nanowhiskers composite smart coating immobilized with rare-earth doped aluminate: Photoluminescence and anticorrosion properties for sustainability	Elsevier	Ceramics International	February 2022	Volume 48, Issue 4, 15, Pages 4841-4850
Salhah D. Al-Qahtani , Adel M. Binyaseen , Enas Aljuhani , Meshari Aljohani , Hanan . Alzahrani , Reem Shah , Nashwa M. El-Metwaly.	Production of smart nanocomposite for glass coating toward photochromic and long-persistent photoluminescent smart windows	Elsevier	Ceramics International	1 January 2022	Volume 48, Issue 1, , Pages 903-912
Salhah D. Al-Qahtani , Samar Y. Al-nami , Khulood Alkhamis ,	Simple preparation of long-persistent luminescent paint with	Elsevier	Ceramics International	March 2022	Volume 48, Issue 5, 1 March 2022,

Zehbah A. Al-Ahmed , Adel M. Binyaseen , Mohamed E. Khalifa , Nashwa M. El-Metwaly.	superhydrophobic anticorrosion efficiency from cellulose nanocrystals and an acrylic emulsion				Pages 6363-6371
Zehbah A. Al-Ahmed , Nada M. Alatawi , Kholood Alkhamis , Nada D. Alkathami , Adel M. Binyaseen , Hana M. Abumelha , Nashwa M. El-Metwaly.	Development of glow-in-the-dark and color-tunable poly(methyl methacrylate) plastic concrete immobilized with rare-earth aluminate	Elsevier	Journal of Photochemistry and Photobiology A: Chemistry	October 2023	Volume 444, 1 October 2023, 114959
Mona Alhasani , Fatmah Alkhatib , Ameena M. Albonayan , Reem Shah, Adel M. Binyaseen, Salhah D. Al-Qahtani , Fawaz A. Saad , Nashwa M. El-Metwaly.	Preparation of glass nanofibers to reinforce polymethyl methacrylate toward persistent photoluminescent bricks	Elsevier	Journal of Photochemistry and Photobiology A: Chemistry	October 2023	Volume 444, 1, 114988
Adel M. Binyaseen a, Omaymah Alaysuy b, Mona Alhasani c, Sahar Sallam d, Fatmah Alkhatib c, Kholood Alkhamis b, Reem Shah a, Nashwa M. El-Metwaly.	Novel strategy toward color-tunable and glow-in-the-dark colorless smart natural wooden window.	Elsevier	Journal of Photochemistry and Photobiology A: Chemistry	February 2024	Volume 448, 1, 115321


Activities in specialist bodies over the past 5 years:

Organization	Role	Period
Kafel	Member of Design Team	2020-2021
Al Essaa Chair for Orfant	Member of Design Team	2022-2023

Professional Training Programs over the past 5 years:

Title	Organization	Period

Curriculum Vitae of Faculty Members over the Past Five Years.

Name:	Mohamed Atef Elhamy Kamel			
Position:	Professor			
Academic Career:				
Degree	Specialization	Institution	Year	
Ph.D.	Urban Design	Alexandria University	2002	
M.Sc.	Urban Design	Alexandria University	1997	
B.Sc.	Architecture	Alexandria University	1992	
B.Sc.				
Position	Employer		Period	
Professor	Umm Al-Qura University, College of Engineering and Islamic Architecture		2014- Now	
Professor	Arab Academy for Science and Technology College of Engineering and Technology		2013-2014	
Associate Professor	Arab Academy for Science and Technology College of Engineering and Technology		2009-2013	
Research and development projects over the past 5 years:				
Name of project or research focus	Period	Partners (if applicable)	Amount of funding	
None	None	None	None	
Industry Collaborations over the past 5 years:				
Project Title		Partners	Year	
None				
Patents and Proprietary rights:				
Title			Year	
None				
Publications (published papers and books over the past 5 years:				
Total numbers: 16				
Kamel, M., & Khalil, M. (2025). Burnout in architecture students: The role of studio culture norms. <i>TPM – Testing, Psychometrics, Methodology in Applied Psychology</i> , 32(S3), 1363–1380. ISSN: 1972-6325.				
Khalil, M. & Kamel, M. (2025). Indoor environmental quality and its role in achieving psychological and physiological comfort for education buildings. <i>TPM – Testing, Psychometrics, Methodology in Applied Psychology</i> , 32(S3), 2144–2157. ISSN: 1972-6325.				
Khalil, M. & Kamel, M. (2024). Accommodating climate changes by using renewable energy in the sustainable building design. <i>Naturalista Campano</i> , 28(1). https://doi.org/10.13140/RG.2.2.24655.50081				
Kamel, M., & Khalil, M. (2024). Using physical models to generate creative ideas for architecture students. <i>International Journal of Nonlinear Analysis and Applications</i> , 15(4). https://doi.org/10.22075/IJNAA.2023.22784.4089				
Kamel, M., & Khalil, M. (2024). Households' awareness and participation in sustainable waste management. <i>Naturalista Campano</i> , 28(1). https://doi.org/10.5281/zenodo.10882758				
Khalil, M. & Kamel, M. Towards smart sustainable cities: Vision and challenges. <i>International Journal of Nonlinear Analysis and Applications</i> , 15(3). https://doi.org/10.22075/IJNAA.2023.78235.4200				
Khalil, M. & Kamel, M. (2023). Strategy of sustainable conservation and preservation to stop migration from architectural heritage sites. <i>Migration Letters</i> , 20(S12). https://doi.org/10.13140/RG.2.2.21660.50565				
Kamel, M., & Khalil, M. (2023). Migration and architectural transformation in Alexandria, Egypt. <i>Migration Letters</i> , 20(S9). https://doi.org/10.13140/RG.2.2.18449.24167				
Kamel, M., & Khalil, M. (2023). The impact of using computer-aided design (CAD) on the creativity of architecture students. <i>Journal for Educators, Teachers and Trainers</i> , 14(4). https://doi.org/10.47750/jett.2023.14.04.021				

Khalil, M. & Kamel, M. (2023). Evaluation of humanitarian environmental design principles. <i>International Journal of Nonlinear Analysis and Applications</i> , 14(8). https://doi.org/10.22075/IJNAA.2023.24638.4277		
Khalil, M. & Kamel, M. (2022). Activating the role of the mythology of local civilization and its impact on contemporary urban design and architectural thought. <i>Journal of University Studies for Inclusive Research (USRIJ)</i> , 3(10). ISSN: 2707-7675.		
Kamel, M., & Khalil, M. (2022). Conservation of earth vernacular settlements: A case study of El-Dakhla Oasis, Egypt. <i>Journal of University Studies for Inclusive Research (USRIJ)</i> , 3(10), 7889–7919. ISSN: 2707-7675.		
Khalil, M. & Kamel, M. (2021). The sustainable urban design considerations for tourism development in coastal cities – Case study Abo Qir, Alexandria. <i>Journal of University Studies for Inclusive Research (USRIJ)</i> , 6(8). ISSN: 2707-7675.		
Kamel, M., & Khalil, M. (2021). Using green roofs to reduce stormwater runoff: A case study of Alexandria, Egypt. <i>Journal of University Studies for Inclusive Research (USRIJ)</i> , 6(8). ISSN: 2707-7675.		
Khalil, M. & Kamel, M. (2021). Strategy of a sustainable development for Muzdalifa. <i>20th Scientific Forum for Hajj, Umrah and Visit</i> . Umm Al-Qura University (UQU), Makkah, KSA.		
Kamel, M., & Khalil, M. (2021). Evaluation of touristic routes destinations to improve visitors' experience of Makkah. <i>20th Scientific Forum for Hajj, Umrah and Visit</i> . Umm Al-Qura University (UQU), Makkah, KSA.		
Activities in specialist bodies over the past 5 years:		
Organization	Role	Period
Certified Consultant by Egyptian Engineering Syndicate.	Member	1992-Now
Certified Consultant by Urban Studies at General Organization for Physical Planning	Member	2000-Now
Professional Training Programs over the past 5 years:		
Title	Organization	Period
Preparing the Quality System Manual and the Program Manual	UQU	2025
Effective assessment in digital learning environments	UQU	2024
Activation of an interactive e-learning environment - an asynchronous mode	UQU	2024
Learning outcomes: formulation and evaluation	UQU	2023
Activating e-learning strategies	UQU	2023
Design an interactive personal learning environment	UQU	2023
Digital educational video	UQU	2023
Fundamentals of digital instructional design	UQU	2023
Smart lighting as one of the components of smart cities	Egyptian Engineers Associations	2022
Advanced skills in using Blackboard learning management system	UQU	2022
Monitoring student performance tools in Blackboard Learning Management System	UQU	2022

Curriculum Vitae of Faculty Members over the Past Five Years.

Name:	Mohamed Wahba Ibrahim Khalil			
Position:	Professor			
Academic Career:				
Degree	Specialization	Institution	Year	
Professor	Architecture & Sustainable Urban Design	Umm Al-Qura University	2014- Now	
Professor	Sustainable Urban Design	Arab Academy (AASTMT)	2013	
Ass. Prof.	Sustainable Urban Design	Arab Academy (AASTMT)	2009	
Ph.D.	Urban Design	Alexandria University	2003	
M.Sc.	Urban Design	Alexandria University	1999	
B.Sc.	Architecture	Alexandria University	1992	
Employment:				
Position	Employer	Period		
Professor	Umm Al-Qura University, College of Engineering and Islamic Architecture	2014- Now		
Professor	Architecture Department, Arab Academy for Science and Technology College of Engineering and Technology	2013-2014		
Associate Professor	Architecture Department, Arab Academy for Science and Technology College of Engineering and Technology	2009-2012		
Assistant Professor	Architecture Department, Alexandria University	2003 - 2009		
Lecturer	Architecture Department, Alexandria University	1999 -2003		
TA	Architecture Department, Alexandria University	1992 - 1998		
Research and development projects over the past 5 years:				
Name of project or research focus	Period	Partners (if applicable)	Amount of funding	
None	None	None	None	
Industry Collaborations over the past 5 years:				
Project Title	Partners	Year		
None				
Patents and Proprietary rights:				
Title	Year			
None				
Publications (published papers over the past 5 years:				
https://orcid.org/0000-0002-9539-8271				
Wahba, Mohamed (et al.) (2020) "Indoor Environmental Quality and Its Role In Achieving				

Psychological and Physiological Comfort for Education Buildings” Journal Performance Data for: TPM-Testing Psychometrics Methodology in Applied Psychology TPM, ISSN: 1972-6325, Vol. 32, No. S3, 2025 pp. 2144-2157

Wahba, Mohamed (et al.) (2025) **“Burnout in Architecture Students the Role of Studio Culture Norms”** Journal Performance Data for: TPM-Testing Psychometrics Methodology in Applied Psychology TPM, ISSN: 1972-6325, Vol. 32, No. S3, 2025 pp. 1363-1380

Wahba, Mohamed (et al.) (2025) **“Nanotechnology and Its Effects in Architectural Design”** The International Journal of Multiphysics & MULTI-SCIENCE PUBL CO LTD, ISSN 1750-9548 - Volume: 18, No. 3, 2024, pp. 1609-1627 , doi: <https://doi.org/10.52783/ijm.v18.1460>

Wahba, Mohamed (et al.) (2025) **“The Impact of Lighting Design on Visual Comfort in Architectural Design Studios”**, The International Journal of Multiphysics, ISSN 1750-9548 - 18(3), pp. 1512 - 1523. [doi: 10.52783/ijm.v18.1451](https://doi.org/10.52783/ijm.v18.1451).

Wahba, Mohamed (et al.) (2023) **“Towards smart sustainable cities vision and challenges”** International Journal of Nonlinear Analysis and Applications, Vol.14, No. 7, (ISSN: 2008-6822 (electronic)).

Wahba, Mohamed (et al.) 2023 **“Evaluation of humanitarian environmental design principles”** International Journal of Nonlinear Analysis and Applications, Vol.14, No. 7, (ISSN: 2008-6822 (electronic)).

Wahba, Mohamed (et al.) 2022 **“Using physical models to generate creative ideas for architecture students.”** International Journal of Nonlinear Analysis and Applications, Vol.14, No. 7, (ISSN: 2008-6822 (electronic)).

Wahba, Mohamed (et al.) 2022 **“Activating the role of The Mythology of Local Civilization and its Impact on the Contemporary Urban Design and Architectural thought.”** Journal of University Studies for inclusive Research (USRIJ), Vol.3, Issue 10, (ISSN: 2707-7675).

Wahba, Mohamed (et al.) 2022. **“Conservation of Earth Vernacular Settlements - A Case Study of El-Dakhla Oasis, Egypt”** Journal of University Studies for inclusive Research (USRIJ), Vol.3, Issue 10, (ISSN: 2707-7675), pp. 7889-7919.

Wahba, Mohamed (et al.) 2021 **“Using Green Roofs to Reduce Stormwater Runoff A Case Study of Alexandria, Egypt”** Journal of University Studies for inclusive Research (USRIJ), Vol.6, Issue 8, (ISSN: 2707-7675), pp. 2181 - 2202.

Wahba, Mohamed (et al.) 2021 **“The Sustainable Urban Design Considerations for Tourism Development in Coastal Cities – Case Study Abo Qir Alexandria.”** Journal of University Studies for inclusive Research (USRIJ), Vol.6, Issue 8, (ISSN: 2707-7675), pp. 2203 - 2234

Wahba, Mohamed (et al.) 2021 **“The Inner Courtyard and its Role in Activating the Sustainable Dimension of Residential Buildings in Hot Regions”** Journal of Al-Azhar University Engineering Sector Vol.16, Issue 58, (ISSN: 1110-6409) pp. 101 - 126

Wahba, Mohamed, (et al.) (2020) **“Traditional Identity Rooting and its impacts on the Contemporary Architecture in Kingdom of Saudi Arabia "Makkah as a case study" 19th Conference The Custodian of the Two Mosques Institute for Hajj and Umrah Research, Tiba University, Madinah , KSA.**

Activities in specialist bodies over the past 5 years:		
Organization	Role	Period
Certified Consultant by Egyptian Engineering Syndicate.	Member	1992-Now
Certified Consultant by Urban Studies at General Organization for Physical Planning	Member	2000-Now
Professional Training Programs over the past 5 years:		
Title	Organization	Period
Strategies of Activating e-learning	UQU	2022
Smart lighting as one of the components of smart cities	Egyptian Engineers Associations	2022

Advanced skills in using Blackboard learning management system	UQU	2022
Monitoring student performance tools in Blackboard Learning Management System	UQU	2022
Learning outcomes: formulation and evaluation	UQU	2023
Fundamentals of digital instructional design	UQU	2023
Design an interactive personal learning environment	UQU	2023
University teaching and learning strategy	UQU	2023
Blackboard electronic system	UQU	2023
Creating Groups and Content File Hub	UQU	2024
Applications of Artificial Intelligence in Architecture: The Future of Design and Construction	EEA	2024
Introduction of Digital Strategy	EEA	2024
Constituting the Arbitral Panel in Accordance with Arab Arbitration Regulations	EEA	2024
How can buildings be transformed into zero-carbon and zero-energy buildings?	EEA	2024
Energy Security	EEA	2024
Using Rubrics to Build Meaningful and Transparent Assessments	UQU	2024
The Role of Science and Technology in Addressing Water and Energy Challenges	EEA	2024
Program and Course Specification Models	UQU	2024
Smart Cities and Networks for Achieving Sustainable Development Goals	EEA	2024
Leveraging Digital Education Technologies and Artificial Intelligence through Blackboard	UQU	2025
Program Accreditation Standards, Requirements, and Self-Evaluation Criteria	UQU	2025
Defining Tools for Measuring Institutional Learning Outcomes	UQU	2025
Preparing Quality System Manual and Program Manual	UQU	2025
Mechanism for Dealing with Program Accreditation Requirements	UQU	2025
Special Requirements for Postgraduate Programs (Scientific Research)	UQU	2025

*EEA Egyptians Engineers Association

Curriculum Vitae of Faculty Members over the Past Five Years			
Name:	Ehab Farouk Rached		
Position: <i>Teaching area and designation</i>	Professor of Architecture		
Academic Career:			
Degree	Specialization	Institution	Year
Ph.D.	Architecture	Cairo University - Egypt	2003
M.Sc.	Architecture	Cairo University - Egypt	1998
B.Sc.	Architecture	Helwan University	1993
Employment:			
Position	Employer	Period	
Professor	Umm Al Qura University	2015 till now	
Associate Professor	Umm Al Qura University	2013-2015	
Research and development projects over the past 5 years:			
Funding	Name of project or research focus	Partners (if applicable)	Year
Industry Collaborations over the past 5 years:			
Project Title: An administrative building for a governmental entity in the city of Makkah Al-Mukarramah		Partners: Institute of Research and Consulting Services	Year :2022-2024
Patents and Proprietary rights:			
None			
Important Publications (published papers and books over the past 5 years):			
<p>1-Ibraheem Al-Bukhari, Ehab Rashed, Ahmed M Shehata, Impact of Outer Shell Design on Educational Buildings: Energy Performance, Second International Conference for Sustainable Design of the Built Environment: Research in Practice, University of East London, September 12-13, 2018, Vol. 3 Issue: 1, Page 9.</p> <p>2-Ehab Rached, Ali Elmansoury, Design of the external envelope and interior spaces of school buildings to improve environmental performance efficiency, Second International Conference for Sustainable Design of the Built Environment: Research in Practice, University of East London, September 12-13, 2018, Vol. 3 Issue: 1, Page 45.</p> <p>3-Ahmed M. Shehata, Ehab Rached, Temporal Model for Mitigating Urban Development Uncertainty, Umm Al-Qura University Journal of Engineering & Architecture, Umm Al-Qura University Journal, Jul-Dec2021, Vol. 12 Issue 2, p31-38. 8p.</p> <p>4-Ehab Rached and Maha Anber, Energy retrofitting strategies for office buildings in hot arid climate, International Journal of Low-Carbon Technologies, Oxford University Press UK,22 March 2022, Volume 17, 2022, Pages 506–512.</p> <p>5-Ahmed Farouk Kineber, Ayodeji Emmanuel Oke, Mohammed Magdy Hamed, Ehab Farouk Rached and Ali Elmansoury A Partial Least Squares Structural Equation Modeling of Robotics Implementation for Sustainable Building Projects: A Case in Nigeria, Sustainability Journal, MDPI, December 2022.</p> <p>6-Ahmed Farouk Kineber, Ayodeji Emmanuel Oke, Mohammed Magdy Hamed, Ehab Farouk Rached and Ali Elmansoury, Modeling the Impact of Overcoming the Green Walls Implementation Barriers on Sustainable Building Projects: A Novel Mathematical Partial Least Squares—SEM Method, Mathematics Journal, MDPI,2023.</p> <p>7-Mazen M. Omer, Ahmed Farouk Kineber, Ayodeji Emmanuel Oke, Chukwuma Kingsley, Ashraf Alyanbaawi, Ehab Farouk Rached and Ali Elmansoury, Barriers to Using Cloud Computing in Sustainable Construction in Nigeria: A Fuzzy Synthetic Evaluation Mathematics 2023, Mathematics Journal, MDPI,2023.</p> <p>8-Ehab Rached and Ali Elmansoury, Local Character as An Indicator OF Sustainable Tourism, journal of engineering research, journal of engineering research,2024</p> <p>9-Ehab Rached and Omar Emad Mahmoud, STRATEGIES FOR IMPROVING ENERGY EFFICIENCY OF RESIDENTIAL UNITS IN COASTAL TOURISTIC RESORTS OF HOT HUMID CLIMATES, World Journal of Engineering Research and Technology, World Journal of Engineering Research and Technology,2024.</p> <p>Ehab Rashed - Ali Elmansoury- Ahmed M Shehata, Ecolodges in Desert Regions: An Approach to Compatibility and Sustainability, Journal of University Studies for Inclusive Research, Vol.7, Issue 38 (2025).</p> <p>Ehab F. Rached, Azza S. Wahba, THE EFFECT OF EXPOSURE TO COASTAL CLIMATE ON DURABILITY OF LOW-RISE BUILDING ENVELOPES IN NWC (NORTH WEST COAST) RESORTS, World Journal of Engineering Research and Technology WJERT, 2025, Vol. 11, Issue 1, 01-25.,2025</p>			



Activities in specialist bodies over the past 5 years:

Role	Organization	Year
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Important Professional Training Programs over the past 5 years:


Title	Organization	Year
1-Engineering and Architectural Design in dealing with medical waste and transmission of infection. The spread of epidemics in health buildings and hospitals	The Saudi Urban Society Saudi Health Care Architect –King Saud University	2022
2-Public Hospital Design Standards and its Relationship to Improving Patient Experience	The Saudi Urban Society Saudi Health Care Architect –King Saud University	2024
3- Management of Healthcare Facilities through Artificial Intelligence Technologies	The Saudi Urban Society Saudi Health Care Architect –King Saud University	2025



**Faculty
Curriculum Vitae
(Associate Professors)**

2025-2026

Curriculum Vitae of Faculty Members over the Past Five Years.

Name:	Oumr Adnan A Osra		
Position:	Associate Professor		
Academic Career:			
Degree	Specialization	Institution	Year
Bachelor of Islamic Architecture	Islamic Architecture	Umm Al-Qura University	2006
Master of Islamic Architecture	Islamic Architecture	Umm Al-Qura University	2014
Master of Architecture	Architecture	RMIT University	2015
Doctorate of Philosophy	Architecture and Urban Planning	University of Sydney	2020
Employment:			
Position	Employer	Period	
Architect	Holy Makkah Municipality	2006-2007	
Architect	The Presidency of Meteorology and Environmental Protection	2007-2010	
Associate Professor	Umm Al Qura University	2010- until now	
The Chairman of Architecture Department	Umm Al Qura University	2024- until now	
Research and development projects over the past 5 years:			
Name of project or research focus	Period	Partners (if applicable)	Amount of funding
Environment and Economic Sustainability in Hajj and Umrah.	05/10/2020 – 05/10/2021	Not applicable	30,000 SR
Industry Collaborations over the past 5 years:			
Project Title	Partners	Year	
Developing the Water Treatment Station in Wadi Arnah	National Water Company (NWC)	2022	
Patents and Proprietary rights:			
	Title	Year	
Not applicable.			
Publications (published papers and books over the past 5 years:			
Total numbers: 16			

Authors	Title	Publisher	Place of Publication	Date of Publication	Volume, issue, page number
Osra, O, Jones, P	The Role of Islamic Identity in Shaping Contemporary Cities in Saudi Arabia	AMPS C.I.O, Abu Dhabi University	Abu Dhabi, United Arab Emirates	2018	Proceedings of The Constructing an Urban Future: The sustainability and resilience of cities – infrastructures, communities, architectures conference, pp.21-30
Osra, O, Jones, P	Understanding Change of Urbanism Patterns in Jeddah Between 1938-2017	S. ARCH	Venice, Italy	2018	Proceedings of The 5th international architecture conference with awards - S.ARCH, pp. (6) 950-972
Osra, O, Jones, P	Physical Form, Structure, and Islamic Identity and Socio-cultural Values in Traditional and Modern Cities in Saudi Arabia	S. ARCH	Havan, Cuba	2019	Proceedings of The 6th International Architecture Conference with Awards - S.ARCH, pp.340-364
Osra, F, Al-Zahrani, J, Al-Soufi, M, Osra, O & Zeeshan A	Environmental and economic sustainability in the Hajj system	Journal of Geoscience	Germany	2021	Vol.14, pp.1-15].
Osra, F. A., Osra, K. A., Jones, P., Osra, O. A., Suhartini, N., Alzahrani, J. S., & Mirza, A. Z	Public Space and Solid waste Facilities in Makkah	Journal of Geoscience	Germany	2022	15 (10), pp.957
Sakhri, N., Osra, O. A., Alsaygh, F. S., Almutery, S. B., & Menni, Y.	Optimizing indoor thermal comfort with wind towers and earth to air heat exchangers: a sustainable solution for energy-efficient housing	International Journal of Low-Carbon Technologies,	England	2023	Vol.18, pp. 915-928
Tlili, S., Kaddour, A., Osra, O. A., Bayram, M., Atif, M., Ahmad, H., & Menni, Y.	Enhancing thermal performance and sustainability parabolic trough concentrator systems in Djelfa's solar-integrated urban design	Thermal Science	Serbia	2023	27 (4 Part B), pp.3251–3260
Bensafi, M., Bayram, M., Osra, O. A., Almutery, S. B., & Menni, Y.	Optimization of thermal comfort in buildings via analysis of a trombe wall for enhanced energy efficiency	Thermal Science	Serbia	2023	27 (4 Part B), pp.3423–3432.
Kaid, N., Bayram, M., Osra, A. O., Almutery, B. S., Hassan, A. R., & Menni, Y.	Enhancing thermal comfort in buildings innovations in sustainable cooling and heating systems utilizing geothermal energy.	Thermal Science	Serbia	2023	27 (4 Part B), 3477–3486.

Sayad, B., Helmi, M. R., Osra, O. A., Abed, A. M., & Alhubashi, H. H.	Microscale Investigation of Urban Heat Island (UHI) in Annaba City: Unveiling Factors and Mitigation Strategies	Sustainability	Switzerland	2024	16 (2), 747.
Alamoudi, M., Imam, A., Majrashi, A., Osra, O., & Hegazy, I.	Integrating intelligent and sustainable transportation systems in Jeddah: a multidimensional approach for urban mobility enhancement.	International Journal of Low-Carbon Technologies	England	2024	19, 1301-1314
Sayad, B., Osra, O. A., Binyaseen, A. M., & Qattan, W. S.	Analyzing Urban Climatic Shifts in Annaba City: Decadal Trends, Seasonal Variability and Extreme Weather Events.	Atmosphere	Switzerland	2024	15(5), 529.
Alkhamis, K., Alghasham, H. A., Almahri, A., Alessa, H., Osra, O. A., Al-Ghamdi, Binyaseen, A. M., & El-Metwaly, N. M.	Iron borophosphate glasses: Merging optical transparency, structural integrity, and radiation shielding efficacy for sustainable uses	Arabian Journal of Chemistry	Saudi Arabia	2024	17 (9), 105875
Mourad Bendekhis, Naima Fezzioui, Mébirika Benyamine, Oumr Adnan Osra, Mohammed Ayad Alkhafaji, Alain M Dikandé, Nouredine Kaid, Younes Menni, Ali J Chamkha	Finite element analysis of hygrothermal interactions in date palm concrete, autoclaved aerated concrete, and gypsum walls using the Künzle model under arid and hot Climate	International Journal of Low-Carbon Technologies	England	2025	(20), 323-333
Farag Mohamed Zaki Abd Elnaby, Oumr Adnan Abdullah Osra, Abdullah Saeed Karban, Abdulrahman Abdulaziz Majrashi, Mahmoud Attiya Mohamed Ali	Methodology of Applying Sustainable Design to Achieve Energy Efficiency for Eco-Tourism Hotel buildings in Urban Areas at Siwa Oasis	Metallurgical and Materials Engineering	United States	2025	(31), 193-208
Bouthaina Sayad, Oumr Adnan Osra, Wajdy S Qattan	Optimizing energy and thermal comfort in residential kitchens: an on-site investigation using thermal imaging	Journal of Asian Architecture and Building Engineering	England	2025	1-14

Activities in specialist bodies over the past 5 years:		
Organization	Role	Period
Not applicable.	Not applicable.	Not applicable.

Professional Training Programs over the past 5 years:		
Title	Organization	Period
Excellence in educational design for digital content	Umm Al Qura University	Two Hours (online), 29/03/2022
Building an interactive personal learning environment	Umm Al Qura University	Two Hours (online), 18/05/2022
Effective design of e-courses in light of international quality standards	Umm Al Qura University	2022
Navigating Open Access Publishing: Strategies For Monitoring Rejection	Taylor and Francis Group	Two Hours (online), 02/05/2024
TOT Online Courses	Saham Training Centre	Thirty Hours (online), six days starting from 31/12/2023
Preparing and Design Training Course	Saham Training Centre	fifteen Hours (online), three days starting from 07/01/2024
Tourism Faculty Development Program - Hospitality Faculty Track	UN Tourism Academy	Twenty-six Hours (online), fifteen days starting from 21/04/2024
Differentiated Instruction and Learning Styles	Umm Al Qura University	2024
Program and course description forms	Umm Al Qura University	2024
Academic supervision	Umm Al Qura University	2024
Methodology for registering and protecting patents	Umm Al Qura University	2024
Part of RDIA: Research Integrity Awareness Program	Research Development And Innovation Authority	2024
Navigation open access publishing: strategies for minimizing rejection	Taylor and Francis Group	2024
Train the Trainers	Les Roches	Total hours (15) 2025
Program accreditation standards, requirements, and simulation self-assessment	Umm Al Qura University	2025
Requirements for graduate programs (scientific research)	Umm Al Qura University	2025

Curriculum Vitae of Faculty Members over the Past Five Years.

Name:	Wadia Ali Albarqawi	
Position:	Associate professor	

Academic Career:

Degree	Specialization	Institution	Year
Ph.D	Architecture	University of Sydney	2013
Master of Architecture	Architecture and Urban design	University of Sydney	2006
Bachelor of Architecture	Architecture	Umm Al-Qura University	2000

Employment:

Position	Employer	Period
Associate professor	Umm Al-Qura University	2023
Assistant professor	Umm Al-Qura University	2013-2023
CEO	Wadi Makkah	2016-2020
Assistant Researcher	Umm Al-Qura University, Institute of the Custodian of the Two Holy Mosques for Hajj and Umrah and Visit Research	2001
Assistant Architect	Umm Al-Qura University	2000-2003
Advisor	Umm Al-Qura University	2013-2015
Director	Wadi Makkah	2013-2016
Dean	Umm Al Qura University, Institute of Innovation Entrepreneurship	2016-2017
Supervisor	Umm Al-Qura University, Admin of Planning and Projects	2016-2017

Research and development projects over the past 5 years:

Name of project or research focus	Period	Partners (if applicable)	Amount of funding
Architectural Identity in Makkah	1 year	Saeed AlBurgawi	40,000

Industry Collaborations over the past 5 years:

Project Title	Partners	Year

Patents and Proprietary rights:

Title	Year

Publications (published papers and books over the past 5 years:

Total numbers:					
Authors	Title	Publisher	Place of Publication	Date of Publication	Volume, issue, page number
1	Urban Transformation	Science and Education		2022	Vol. 10, No. 2, 93-100

	and Social Engagement in Wadi Makkah: A New Perspective to Heritage and Identity	Publishing			
1	The State of Becoming of the Roshan: Villa Aladdin and the Magic Courtyard	Science and Education Publishing		2022	Vol. 10, No. 2, 101-105
1	Makkah's Urban Modernization and the Impact of Urban Regulations	Science and Education Publishing		2022	Vol. 4, No. 1, 11-22
1	The Perceptions of Makkah's Architectural Identity by Residents' Pilgrims 2021	American Journal of Civil Engineering and Architecture		2025	10.12691/ajcea-13-2-3
2	Analyzing Makkah's Architectural Vocabularies (MAV): a method for building a digital library for machine learning applications	journal of Asian Architecture and Building Engineering		2024	10.1080/13467581.2024.2431309
6	Generative Artificial Intelligence as a Source of Inspiration for a Modern and Authentic Architectural Identity of Residential Building Facades in Makkah City	Journal of Architecture and Planning (King Saud University)		2024	Vol. 36 (3) , pp. 359-379, Riyadh (2024/1446H)doi:10.33948/JAP-KSU-36-3-4
1	The Building of Innovative Place: The Start-Ups Center in Wadi Makkah			2024	10.1007/978-3-031-49903-6_34
2	Mapping the approaches for investigating Makkah's architectural vocabularies and AI: A literature review	Frontiers of Architectural Research		2023	10.1016/j.foar.2023.08.007
2	The adopted urban and heritage	Rendiconti Lincei. Scienze		2023	10.1007/s12210-023-01150-8

	preservation methodologies in the Arab world: a review article	Fisiche e Naturali			
1	The Building of Innovative Identity: the case study of The Startups Center in Wadi Makkah	The 1st International ARCH + DESIGN Conference 2023		2023	
1	The Line: A Zero Gravity Theory for Urban Design	Modern Applied Science		2023	17(1):18 10.5539/mas.v17n1p18


Activities in specialist bodies over the past 5 years:

Organization	Role	Period
Wadi Makkah	CEO	3 years

Professional Training Programs over the past 5 years:


Title	Organization	Period

Curriculum Vitae of Faculty Members over the Past Five Years.

Name:	Ibraheem Nooruddeen Al-Bukhari		
Degree:	Associate Professor		
Academic Career:			
Degree	Specialization	Institution	Year
Ph.D.	BIM in Construction Project Management	University of Waterloo	2014
M.Sc.	Construction Project Management	University of Waterloo	2008
B.Arch.	Architecture	KFUPM	2002
Employment:			
Position	Employer	Period	
Associate Professor	Umm Al-Qura University	2022- Now	
Assistant Professor	Umm Al-Qura University	2014-2021	
Teaching Assistance	Umm Al-Qura University	2008-2014	
Supported research and development projects related to specialization:			
Date	Project title	Amount of funding	
Patents and Copyright:			
Title		Date	
Publications (published papers and books):			
1. Al-Bukhari, I., Rashed, E., and Shehata, A. M. (2018). "Impact of Outer Shell Design on Educational Buildings", Energy Performance, Second International Conference for Sustainable Design of the Built Environment: Research in Practice, University of East London. September 12-13, 2018, London, U.K.			
2. Al-Bukhari, I. and Shehata, A. M. (2018). "Architectural practicing in the era of globalisation (Saudi Market as a case study)". Journal of Al-Azhar University Engineering Sector, Vol. 13, No. 48, July 2018, pp. 1066-1073.			
3. Al-Bukhari, I. and Hegazy, T. (2015). "Multiple-Criteria BIM-Based Evaluation of Architectural Submittals." International Journal of Mathematical Models and Methods in Applied Sciences, Vol. 9, 2015, pp. 453-462.			
4. Assessment of Architectural Design Studio: A Review			
5. A Generic Model for Automatic Detection of Supply Chain Risks: An Impact Assessment of Weather and Economic Factors on Construction Projects			

Experience:
1. Assistant of General Director of Makkah Techno Valley for Technical Affairs (2015-2016)
Training Programs:
1. "BIM and Project Controls Using C3D®." 4-day course, CCT International, Dubai ,UAE. (2018).
2. "Autodesk NAVISWORKS® MANAGE." 3-day course, MCTC Educational Institute, Dubai ,UAE. (2018).
3. "Leading and Empowering Team Members." 1- day course, Effective Academic Leader Program, Accreditation and Development Consultancy, King Abdulaziz University, Jeddah. KSA. (2017).
4. "Personal Strategy and Productivity." 1- day course, Effective Academic Leader Program, Accreditation and Development Consultancy, King Abdulaziz University, Jeddah. KSA. (2017).
5. "Leadership Skills." 1- day course, Effective Academic Leader Program, Accreditation and Development Consultancy, King Abdulaziz University, Jeddah. KSA. (2017).
6. "Project Planning, Scheduling, and Cost Control Professional-Preparing for the PSP & PMI-SP Certificates – Certified Program." 5- day course, PROJACS International, Dubai, UAE. (2015).

Curriculum Vitae of Faculty Members over the Past Five Years.

Name:	Naif Sultan Mesfer Alaboud	
Position:	Associate Professor	

Academic Career:

Degree	Specialization	Institution	Year
Ph.D.	Digital Transformation in AEC	University of Salford	2016
M.Sc.	Construction Project Management	Heriot Watt University	2011
B.Sc.	Architecture	Umm Al-Qura University	2008

Employment:

Position	Employer	Period
Associate Professor	Umm Al-Qura University	2023-Now
Assistant Professor	Umm Al-Qura University	2016-2023
Lecturer	Umm Al-Qura University	2011-2016

Research and development projects over the past 5 years:

Name of project or research focus	Period	Partners (if applicable)	Amount of funding

Industry Collaborations over the past 5 years:

Project Title	Partners	Year

Patents and Proprietary rights:

Title	Year

Publications (published papers and books over the past 5 years:

Total numbers: **11**

Authors	Title	Publisher	Place of Publication	Date of Publication	Volume, issue, page number
Ahmed Mohamed Shehata , Naif Sultan Alaboud	Identification of Features of Architectural Heritage Using Deep Learning Techniques	Civil Engineering and Architecture	USA	2025	13(4)
Naif S Alaboud, Ali Elmansoury	Implementation of Cloud Computing in Saudi Construction: An Exploration of Political, Economic, Social, Technological, Environmental, and Legal Factors Using Fuzzy	Advances in Civil Engineering	USA	2025	2025, 1825108

	DEMATEL				
NS Alaboud	Thermal Environmental Monitoring of Apartment Building in Saudi Arabia	Advances in Science and Technology	Switzerland	2024	137, 41–46
MMS Abou Leila, NS Alaboud	Reviving the Hejazi Meccan Style to Achieve a Sustainable Saudi Housing – Case Study: Saudi Housing Units in Makkah	Journal Architecture & Planning	Saudi Arabia	2023	35 (3)
MMS Abou Leila, NS Alaboud	A Unified sustainability assessment metrics for nations of Gulf Cooperation Council– A critical study	Journal Architecture & Planning	Saudi Arabia	2023	35 (2)
AH Ali, AF Kineber, TJO Qaralleh, NS Alaboud, AO Daoud	Classifying and evaluating enablers influencing modular construction utilization in the construction sector: A fuzzy synthetic evaluation	Alexandria Engineering Journal	Egypt	2023	78, 45–55
AF Kineber, AE Oke, TJO Qaralleh, NS Alaboud, A Alshahrani, M Alaboud,	Cyber Technology Implementation Barriers for Sustainable Buildings: A Novel Mathematical Partial Least Square Structural Equation Modelling	MDPI	Switzerland	2023	13 (4), 1052
N Alaboud, A Alshahrani	Adoption of Building Information Modelling in the Saudi Construction Industry: An Interpretive Structural Modelling	MDPI	Switzerland	2023	15 (7), 6130
A Alshahrani, N Alaboud, Y Ahmed, A Karban, AA Majrashi, Z Altowerqi	Critical success factor of PPP for affordable housing provision in Makkah, Saudi Arabia	journal of Umm Al-Qura University for Engineering and Architecture	Saudi Arabia	2023	14 (1), 36-44
A Alshahrani, N Alaboud, MI Leje, A Karban, Z Altowerqi	Rating the significance of the factors influencing shortage of skilled labours for sustainable construction: A perception of Makkah construction practitioner	journal of Umm Al-Qura University for Engineering and Architecture	Saudi Arabia	2023	14 (1), 13-25
John Aliu, Ayodeji Emmanuel Oke, Ahmed Farouk Kineber, Andrew	Towards a New Paradigm of Project Management: A Bibliometric Review	MDPI	Switzerland	2023	15 (13), 9967

Ebekozien, Clinton Ohis Aigbayboa, Naif Sultan Alaboud, Ahmed Osama Daoud					
N Alaboud, A Alshahrani	Pilgrims Housing Rental System based on blockchain Technology in line with reshaping the future of Smart Hajj	The 21st Scientific Forum for Hajj, Umrah and Madinah Visit Research	Saudi Arabia	2022	
N Alaboud	Thermal performance evaluation of residential building in Makkah, Saudi Arabia	13th International Exergy, Energy and Environment Symposium (IEEES-13)	Singapore	2023	
AS Karban, MBM Jusan, NS Al-Aboud, AA Majrashi, M Alzahrani, R Raj	Reviving the Roles of Makkah Residents in Providing Hospitality	PalArch's Journal of Archaeology of Egypt/Egyptology	Egypt	2020	17 (7), 13310- 13332
AS Karban, MBM Jusan, AH Hussein, NS Al-Aboud	The historical development of hospitality in Makkah	International Journal of Engineering & Technology	UAE	2018	(3.30), 225-229


Activities in specialist bodies over the past 5 years:

Organization	Role	Period
The Institute of Workplace and Facility Management	Certified Member	2022 - Now
The Institution of Engineering and Technology	Member	2022 - Now

Professional Training Programs over the past 5 years:

Title	Organization	Period
TOT	Personal Rehabilitation Training Center	2023
TOT	Ministry of Tourism	2024

Curriculum Vitae of Faculty Members over the Past Five Years.

Name:	Abdulhafeez Ahmad M. Alwafi				
Position:	Associate Professor				
Academic Career:					
Degree	Specialization	Institution	Year		
PHD	Interior Design	University of Newcastle Upon Tyne	2007		
Bachelor	Architecture	Umm Al-Qura University	1995		
Employment:					
Position	Employer		Period		
Architecture	Architecture Department – UQU		1997-2000		
Teaching Assistance	Architecture Department – UQU		-2000 2007		
Assistance Professor	Architecture Department – UQU		2007-2022		
Associate Professor	Architecture Department – UQU		2022-Now		
Research and development projects over the past 5 years:					
Name of project or research focus					
Industry Collaborations over the past 5 years:					
Project Title		Partners	Year		
Patents and Proprietary rights:					
Title			Year		
Publications (published papers and books over the past 5 years:					
Total numbers:					
Authors	Title	Publisher	Place of Publication	Date of Publication	Volume, issue, page number
Abdulhafeez Ahmad Alwafi	The development of the domestic interior in Makkah, Saudi Arabia: from the traditional to the modern way of living,	University of Newcastle Upon Tyne	University of Newcastle Upon Tyne	2006	
Abdulhafeez Ahmad	Effect of Child Behavior on the	Journal Of Al-Azhar University			Vol. 14, No. 51, April,

Alwafi	Intimal Spaces of Kindergartens	Engineering Sector		April 2019	2019, 741-749
Abdulhafeez Ahmad Alwafi	Associating Daylight and Acoustic Design in Internal Educational Spaces with Students Psychological Satisfaction	Journal of Umm Al-Qura University for Engineering and Architecture		May 2021	
Abdulhafeez Ahmad Alwafi	Feasibility Study of Nano-Technology-Based Insulation Materials' Usage to Decrease the Cooling Loads in High-Income Housing in KSA	Advances in Architecture, Engineering and Technology		March 2022	pp 215–226
Abdulhafeez Ahmad Alwafi	Sustainable Material Selection Criteria Framework for Environmental Building Enhancement	American Journal of Civil Engineering and Architecture,		2022	2022, Vol. 10, No. 1, 31-44
Abdulhafeez Ahmad Alwafi	Integrated Project Delivery Contract Model Supporting BIM-Based Construction Project	American Journal of Civil Engineering and Architecture,		2022	2022, Vol. 10, No. 2, 82-92
Abdulhafeez Ahmad Alwafi	Exploring Barriers to the Adoption of Green Walls in Saudi Arabia Building Industry	American Journal of Civil Engineering and Architecture		November 2024	
	Climate Change as An Influential				

Abdulhafeez Ahmad Alwafi	Factor in Designing Future Cities. Case Study the NEOM Project "The line city" in Saudi Arabia.	Journal of Umm Al-Qura University for Engineering and Architecture		March 2025	
Abdulhafeez Ahmad Alwafi	Principal Component Analysis for Exploring Sustainable Interior Design Implementation Challenges	JES. Journal of Engineering Sciences Faculty of Engineering Assiut University	accepted	October 2025	


Activities in specialist bodies over the past 5 years:

Organization	Role	Period
None	None	None

Professional Training Programs over the past 5 years:

Title	Organization	Period
None	None	None

3/1/6 Curriculum Vitae of Faculty Members over the Past Five Years.

Name:	Majrashi, Abdulrahman Abdulaziz M	
Degree:	Associate Professor	

Academic Career:

Degree	Specialization	Institution	Year
Ph.D.	Urban & Regional Planning	Universiti Teknologi Malaysia	2017
M.Sc.	Urban & Regional Planning	International Islamic University Malaysia	2010
B.Sc.	Architecture	Umm Al-Qura University	2006
Diploma	Executive Secretary	Umm Al-Qura University	2000

Employment:

Position	Employer	Period
Trainee Architect	Creative Design Center.	2005-2007
Architect	Makkah Municipality	2006-2007
Architectural Planner	Omranियoun Consultant Co.	2010-2015
Trainee Planner	IIUM Consultant	2011-2012
Lecturer	Umm Al-Qura University	2012-2017
Associate Professor	Umm Al-Qura University	2017-Now

Supported research and development projects related to specialization:

Date	Project title	Amount of funding
2019	Al-Juhfah Heritage Village Development	150000 SR
2020	Makkah Development & Urban Management	30000 SR
2020	Makkah Development & Urban Management	30000 SR
2020	Makkah Development & Urban Management	30000 SR
2020	Makkah Development & Urban Management	10000 SR

Patents and Copyright:

Title	Date

Publications (published papers and books):

6. *Participatory Urban Digital Twins with Fairness Aware Optimization for Equitable Quality of Life Improvements in Multi Objective Planning Contexts.* (2025). *International Journal of Environmental Sciences*, 4249-4261. <https://doi.org/10.64252/82gzzy64>
7. *Abd Elnaby, F. M. Z. ., Osra, O. A. A. ., Karban, A. S. ., Majrashi, A. A. ., & Ali, M. A. M. . (2025). Methodology of Applying Sustainable Design to Achieve Energy Efficiency for Eco-Tourism Hotel buildings in Urban Areas at Siwa Oasis . Metallurgical and Materials Engineering, 31(1), 193–208. <https://doi.org/10.63278/1235>*
8. *Reyes-Schade, E., Grande-Ayala, C., Imam, A., M. Gbban, A., Summan, M., Karban, A. S., Majrashi, A. A., &*

Alamoudi, M. (2024). *(Re)Writing the City from Within: An Exploratory Approach to Sustainable Urban Morphologies from the Dialogue Between Public Space and Public Transport in Barcelona's Trambesòs*. *Sustainability*, 16(22), 9667. <https://doi.org/10.3390/su16229667>

9. Mohammed Alamoudi, Ayman Imam, Abdulrahman Majrashi, Oumr Osra, Ibrahim Hegazy, *Integrating intelligent and sustainable transportation systems in Jeddah: a multidimensional approach for urban mobility enhancement*, *International Journal of Low-Carbon Technologies*, Volume 19, 2024, Pages 1301–1314, <https://doi.org/10.1093/ijlct/ctae078>
10. Waheeb, S. A., Zerouali, B., Elbeltagi, A., Alwetaishi, M., Wong, Y. J., Bailek, N., AlSaggaf, A. A., Abd Elrahman, S. I. M., Santos, C. A. G., & Majrashi, A. A. (2023). *Enhancing Sustainable Urban Planning through GIS and Multiple-Criteria Decision Analysis: A Case Study of Green Space Infrastructure in Taij Province, Saudi Arabia*. *Water*, 15(17), 3031. <https://doi.org/10.3390/w15173031>
11. Majrashi Abdulaziz, A. (2023). *Quality of Life in Urban Neighborhoods in Jeddah, Saudi Arabia*. *La Tadeo dearte*, 9 (11). <https://doi.org/10.21789/24223158.2028>
12. Alshahrani, A., Alaboud, N., Ahmed, Y. et al. *Critical success factor of PPP for affordable housing provision in Makkah, Saudi Arabia*. *J. Umm Al-Qura Univ. Eng.Archit.* 14, 36–44 (2023). <https://doi.org/10.1007/s43995-023-00012-6>
13. M. Alzahrani, R. Abdul Majid, A. S. Karban, and A. Majrashi, “The Effect of Different Specifications of Passive Spaces on Residents’ Satisfaction in Adjoining Spaces within a Hot Dry Climate”, *Int. J. Adv. Sci. Eng. Inf. Technol.*, vol. 12, no. 2, pp. 834–845, Apr. 2022.
14. *Urban Heat Island Effects on Megacities in Desert Environments Using Spatial Network Analysis and Remote Sensing Data: A Case Study from Western Saudi Arabia*. *Remote Sensing*. 2021; 13(10):1941. <https://doi.org/10.3390/rs13101941>.
15. *Identifying the Influential Factors Enriching the Experiences of Visitors of Touristic Religious Sites: The Case Study of Al-Khandaq Battle Site*. *International Journal of Built Environment and Sustainability*, Volume 8, Issue 2, 2021.
16. *An automatic approach for detecting building fences from high-resolution images: the case study of Makkah, Saudi Arabia*, *International Journal of Low-Carbon Technologies*, 2021;, ctab039, <https://doi.org/10.1093/ijlct/ctab039>
17. *SMART CITIES: FROM THE PERSPECTIVE OF URBAN PLANNING AND DESIGNING OF BUILDINGS*: <http://ijmr.net.in>, 7(12).
18. *REVIVING THE ROLES OF MAKKAH RESIDENTS IN PROVIDING HOSPITALITY*. *PalArch's Journal of Archaeology of Egypt/Egyptology* 17 (7), 13310-13332.
19. *ECONOMIC CONSEQUENCES OF COVID-19 ON THE CITY OF MAKKAH*. *PalArch's Journal of Archaeology of Egypt/Egyptology* 17 (7), 8142-8147.
20. *A Platform for Extracting Driver Behavior from Vehicle Sensor Big Data” International Journal of Advanced Computer Science and Applications(IJACSA)*, 11(12), 2020. <http://dx.doi.org/10.14569/IJACSA.2020.0111229>.

21. *Machine learning approach to extract building footprint from high-resolution images: the case study of Makkah, Saudi Arabia. International Journal of Low-Carbon Technologies.*

22. *Planning in a Dynamic Society: A Case of Makkah, Saudi Arabia. Journal of Advanced Research in Dynamical and Control Systems.*

23. *Role Of Governance In Management Of Conservation Areas. GSJ: Volume 7, Issue 6, June 2019, ISSN 2320-9186.*

24. *Sprawling Growth And The Environment: A Case Of Johor, Malaysia. International Journal of Science, Environment and Technology, Vol. 7, No 2, 2018, 382 – 396, ISSN 2278-3687*

Experience:

2. The Chair, Prince Khaled Al-Faisal Developing Makkah and Holy Sites

3. Chief Editor (Architecture) Journal of Umm Al-Qura University for Engineering and Architecture

4. Vice Dean of Student affairs for Student services.

5. Vice Dean for business and development and execution, Institute of Consulting and Research Studies.

6. General Supervisor of Administrative and Technical Affairs , Faculty of Engineering and Islamic Architecture.

7. Consultant for Ministry of Tourism of Saudi Arabia (Makkah heritage Buliding) 2018

8. Consultant Member of The Centre for Safety, Risk and Crisis Management (SAFE)

9. Member of Consultancy Board Umm Al-Qura Charity Association

10. Team Leader in designing the general site of Umm Al-Qura Consultancy Oasis.

11. Member of the advisory team planning and supervising the implementation of the Sustainable Village Design Project - Al-Bayda' Center, Makkah,

Training Programs:

1. New Technologies and Techniques for Architectural restoration works

2. Urban Conservation Planning

3. Training Course for Tour guides (Saudi Council for Tourism & National Heritage)

4. Urban Heritage Conservation

5. Training of Trainers (TOT)

6. BLS for Healthcare Providers course (American Heart Association)

7. Key Performance Indicators

8. Managing Safely

9. The Professional Consultant (Intermediate Level)) => Content for Level 7 Certificate

10. The Professional Consultant (Foundation Level) => Content for Level 7 Award

11. Effective Leader Program

12. Modern Strategic Planning

13. Qualifying the worker in Urban Heritage

14. Inventory of Intangible Cultural Heritage



**Faculty
Curriculum Vitae
(Assistant Professors)**

2025-2026

Curriculum Vitae of Faculty Members over the Past Five Years.

Name:	Abdullah Saeed Karban		
Position:	Assistant Professor		
Academic Career:			
Degree	Specialization	Institution	Year
Diploma of Architectural Computer Applications	Architectural Draftsman	Umm Al-Qura University	2003
Bachelor of Islamic Architecture	Islamic Architecture	Umm Al-Qura University	2008
Master of Science in Urban and Regional Planning	Urban and Regional Planning	University of Texas at San Antonio	2014
Doctor of Philosophy in Urban and Regional Planning	Urban and Regional Planning	University Technology Malaysia	2021
Employment:			
Position	Employer	Period	
Founder	Architectural Vision Engineering services	2008- 2010	
Teaching Assistant	Umm Al Qura University	2008-2019	
Architect	Mataf Expansions of the Holy Mosque Project	2008	
Architect	Department of Projects- Umm Al Qura University	2008-2009	
Team Leader	The Custodian of Two Holy Mosques Institute for Hajj and Umrah research	2009-2011	
Graduate Assistant	University of Texas at San Antonio	2014	
Team Leader	Makkah Urban Observatory with The Custodian of Two Holy Mosques Institute for Hajj and Umrah research	2015	
Coordinator	Prince Khalid Al-Faisal Chair for Developing Makkah Al-Mukarramah and the Holy Places	2015-2016	
Lecturer	Umm Al Qura University	2019-2021	
Consultant	Dar Alrahmah Engineering Consultant	2019	
Consultant	Prince Khalid Al-Faisal Chair for Developing Makkah Al-Mukarramah and the Holy Places	2021-Present	
Endowment Manager	Saeed Karban Endowment	2021-Present	
Assistant Professor	Umm Al Qura University	2021-Present	
Council Secretariat	Umm Al Qura University	2021-Present	
Deputy Dean of Student Affairs for Student Services	Umm Al Qura University	2021-2022	
Dean of Student Affairs	Umm Al Qura University	2022- 2024	
Consultant	Impetus Strategy for projects of Royal Commission for Makkah City and Holy Sites	2024-Present	

Research and development projects over the past 5 years:			
Name of project or research focus	Period	Partners (if applicable)	Amount of funding
Critical success factor of PPP for affordable housing provision in Makkah, Saudi Arabia	09/10/2020 – 09/10/2023	Not applicable	5,000 SR
Rating the significance of the factors influencing shortage of skilled labours for sustainable construction: a perception of Makkah construction practitioner	09/10/2020 – 09/10/2023	Not applicable	5,000 SR
The Effect of Different Specifications of Passive Spaces on Residents' Satisfaction in Adjoining Spaces within a Hot Dry Climate	20/01/2021 – 20/01/2022	Not applicable	5,000 SR
Evaluation of the integration of the traditional architectural element Mashrabiya into the ventilation strategy for buildings in hot climates	01/09/2020 – 01/09/2021	Not applicable	10,000 SR
Identifying the influential factors enriching the experiences of visitors of touristic religious sites: the case study of Al-Khandaq battle site	09/10/2020 – 09/10/2021	Not applicable	5,000 SR
Reviving the Roles of Makkah Residents in Providing Hospitality	15/08/2020 – 15/08/2021	Not applicable	5,000 SR
Industry Collaborations over the past 5 years:			
Project Title	Partners	Year	
Al-Hada Walk Design– Taif Municipality	Taif Municipality	2021	
UQU Students Transportation Project	UQU & Abo Sarhad Transportation Company	2022	
Transportation & Crowded movements plan for UQU Graduation Ceremony	UQU & INTRO Events & Abo Sarhad Transportation Company	2021-2022	
Planning Graduation Ceremony	UQU & INTRO Events	2022-2023	
UQU Students Housing Project	DSA & UQU Endowment	2024	
Planning Graduation Ceremony	UQU & Kayan Events	2023-2024	
Consultant on social and economic studies for informal settlement areas in Makkah.	Impetus Strategy	2023-2025	
Patents and Proprietary rights:			
Title			Year

Not applicable.

Publications (published papers and books over the past 5 years:

Total numbers: 26					
Authors	Title	Publisher	Place of Publication	Date of Publication	Volume, issue, page number
Karban, A.S	Smart Evaluation of Urban Open Spaces for Quality of Life Enhancement: An AI-Driven Conceptual Framework Based on Evidence from Makkah, Saudi Arabia	Journal of Umm Al-Qura University for Engineering and Architecture, Springer Nature	Saudi Arabia	28-07-2025	
W Nurjayanti, Karban, A.S	Sustainable Interior Design of The Living Room in a Muslim Residence: Concept and Implementation	Sinektika: Jurnal Arsitektur, Creative Commons	Indonesia	15-07-2025	276-283
Khalid Ahmed Al Ghamdi, Mohd Hisyam Rasidi, Abdullah F. Suruje, Abdullah S. Karban, Badr M. Alsolami	Unified Visual Identity As An Approach To Improve Mobility At Muzdalifah Train Stations: A Proactive Vision For Pilgrim Growth Accommodation	International Journal of Research and Innovation in Applied Science (IJRIAS), RSIS International	India	26-03-2025	79-92
Dr. Farag Mohamed Zaki Abd Elnaby ^{1,2} , Dr. Oumr Adnan Abdullah Osra ³ , Dr. Abdullah Saeed Karban ⁴ , Dr. Abdulrahman Abdulaziz Majrashi ⁵ , Dr. Mahmoud Attiya Mohamed Ali	Methodology of Applying Sustainable Design to Achieve Energy Efficiency for Eco-Tourism Hotel buildings in Urban Areas at Siwa Oasis	Metallurgical and Materials Engineering, TechnoFit Academic Publishers LLC,	United States	22-01-2025	193-208
Reyes-Schade, E., Grande-Ayala, C., Imam, A., M. Gbban, A., Summan, M., Karban, A. S., Majrashi, A. A., & Alamoudi, M.	(Re) Writing the City from Within: An Exploratory Approach to Sustainable Urban Morphologies from the Dialogue Between Public Space and Public Transport in Barcelona's Trambesòs	Sustainability,	Switzerland	06-11-2024	9667
Karban, A.S	Enhancing Wayfinding Systems for Crowd Health and Safety in Makkah: Assessing Al-	The 24th Scientific Forum for the Hajj, Umrah, and Visit Research, Umm Al-Qura University	Saudi Arabia	12-10-2024	101-119

	Aziziya and Al-Zahir Neighborhoods				
Abdullah Karban, Naif Alaboud, Adnan Alshahrani, Abdullah Bagasi, Mosaab Alaboud5	The preventive measures of pandemics on construction projects: Lessons learned from Covid-19 in Saudi Arabia	Revista iberoamericana de psicología del ejercicio y el deporte, Asociación Canaria de Psicología del Deporte	Spain	24-02-2024	117-122
Khalid Ahmed Al Ghamdi, Mohd Hisyam Rasidi, Abdullah F. Suruje, Abdullah S. Karban, Badr M. Alsolami	Factors Influencing Wayfinding Systems Efficiency for Hajj Pilgrims in Al-Mashaer Al-Mugaddassah Metro Train Station, Muzdalifah	EasyChair preprints	United Kingdom	03-01-2024	
Yahya M Nabhan, Abdullah S Karban, Bin Lamit Hasanuddin, Bin Azizui Muhammad	Preservation of Islamic Urban Heritage to Enhance the Users' Expectation in the Holy City of Makkah	Proceedings of the International Conference of Contemporary Affairs in Architecture and Urbanism-ICCAUA, Alanya Üniversitesi	TURKEY	16-06-2023	246-255
Yahya M Nabhan, Hashim Abdullahi, Abdullah S Karban, Bin Lamit Hasanuddin, Bin Azizui Muhammad, Zainora Asmaswi	Urban Growth Studies for the Holy City of Makkah, Saudi Arabia, through Literature Synthesis	Journal of Hunan University Natural Sciences, Creative Commons Attribution	China	31-05-2023	124-140
A Alshahrani, N Alaboud, Y Ahmed, A Karban, AA Majrashi, Z Altowerqi	Critical success factor of PPP for affordable housing provision in Makkah, Saudi Arabia	Journal of Umm Al-Qura University for Engineering and Architecture, Springer Nature	Saudi Arabia	01-02-2023	36-44
Adnan Alshahrani, Naif Alaboud, Mohammed Isah Leje, Abdullah Karban, Zayed Altowerqi	Rating the significance of the factors influencing shortage of skilled labours for sustainable construction: A perception of Makkah construction practitioner	Journal of Umm Al-Qura University for Engineering and Architecture, Springer Nature	Saudi Arabia	20-01-2023	13-25
A Alzahrani, M, Abdul Majid, R, Karban, A, Majrashi	The Effect of Different Specifications of Passive Spaces on Residents' Satisfaction in Adjoining Spaces within a Hot Dry Climate	International Journal on Advanced Science, Engineering and Information Technology (IJASEIT), INSIGHT - Indonesian Society for Knowledge and	Indonesia	30-04-2022	834-845


		Human Development			
A Alzahrani, M, Abdul Majid, A, Karban	Thermal Performance Of Vertical Shafts In Buildings: An Overview Of Efficient Design Parameters	Journal Of Information System And Technology Management (JISTM), GLOBAL ACADEMIC EXCELLENCE (M) SDN BHD	Malaysia	07-03-2022	218-223
Yahya M Nabhan, Abdullah S Karban, Adnan Alshahrani, Hasanuddin Lamit, Muhammad Azizui	Explore Community Perception in Decision-Making Processes towards Adaptive Reusing of Alsaqaf Palace for the Sustainability of the Built Heritage and Decision-Making Processes	Journal of Advanced Research in Business and Management Studies, Akademia Baru Publishing (M) Sdn Bhd	Malaysia	25-12-2021	59-65
Mohamed Saleh Amer, Abdullah Saeed Karban, Mohammad Rafee Majid, Abdulrahman Abdulaziz Majrashi, Abba Saleh	Identifying the influential factors enriching the experiences of visitors of touristic religious sites: the case study of Al-Khandaq battle site	International journal of built environment and sustainability, UTM Press	Malaysia	30-04-2021	1-9
Khalid Ahmed Alghamdi, Ismail Said, Mohd Hisyam Rasidi, Abdullah Saeed Karban	Enrich Pilgrims Experience by Improving the Wayfinding System in (Meeqat Zul Halifa) Abiar Ali	The 20th Scientific Forum for the Hajj, Umrah, and Visit Research, Umm Al-Qura University	Saudi Arabia	17-02-2021	427-436
Abdullah Abdulhameed Bagasi, John Kaiser Calautit, Abdullah Saeed Karban	Evaluation of the integration of the traditional architectural element Mashrabiya into the ventilation strategy for buildings in hot climates	Energies, MDPI	Switzerland	20-01-2021	530
Abdullah Saeed Karban, Mahmud BM Jusan, Naif S Al-Aboud, Abdulrahman A Majrashi, Mohammed Alzahrani, Razaq Raj	Reviving The Roles Of Makkah Residents In Providing Hospitality	PalArch's Journal of Archaeology of Egypt/Egyptology, Creative Commons Attribution	Netherlands	28-11-2020	13310 - 13332
Mohammed Alzahrani, Roshida Abdul Majid, Badr Alsolami, Abdullah Saeed Karban	Residents' Perception Of Meenware Design In Residential Buildings In Saudi Arabia	International Journal Of Scientific & Technology Research, Creative Commons Attribution	India	20-04-2020	2151-2157
Monirul Islam, Sarajul Fikri Mohamed, Syamsul Hendra	Life Cycle Cost (LCC) Analysis for Rigid	International Journal of	India	20-02-2020	51-58

Mahmud, Alghamdi Khalid Ahmed M, Karban, Abdullah Saeed	Pavement Rehabilitation and Maintenance in Malaysia	Management and Humanities (IJMH), Blue Eyes Intelligence Engineering & Sciences Publication			
Monirul Islam, Sarajul Fikri Mohamed, Syamsul Hendra Mahmud, Karban Abdullah Saeed	Towards A Framework for Development of Operational and Maintenance Cost Model of Highway Project in Malaysia	International Journal of Management and Humanities (IJMH), Blue Eyes Intelligence Engineering & Sciences Publication	India	20-01-2020	89-95
Monirul Islam, Sarajul Fikri Mohamed, Shogo Musbau Adeniyi, Alghamdi Khalid Ahmed M, Karban, Abdullah Saeed	Potential Effects of Microorganism to Reduce Building Defects in Malaysia	International Journal of Recent Technology and Engineering (IJRTE), Blue Eyes Intelligence Engineering & Sciences Publication	India	20-01-2020	9-16
Abdullah Saeed Karban, Mahmud BM Jusan, Abdul Halim Hussein, Naif S Al-Aboud	The Historical Development of Hospitality in Makkah	International Journal of Engineering & Technology, Science Publishing Corporation	United Arab Emirates	24-08-2018	225-229
B Alsolami, M R. Embi, A A. Majrashi, A S. Karban	Assessing the Effects of Crowding Perception and Gender Among Southeast Asia Pilgrims in Mina, Saudi Arabia	International Journal of Engineering & Technology, Science Publishing Corporation	United Arab Emirates	22-05-2018	1137-1141
Abdullah Saeed Karban, Mahmud BM Jusan, Abdul Halim Hussein	The Roles of Residents of Makkah during Hajj and Their Influences on Housing Design - A State of Art Review	The 17th Scientific Forum for the Hajj, Umrah, and Visit Research, Umm Al-Qura University	Saudi Arabia	10-05-2017	116-131
Abdullah Saeed Karban	Developing a framework for neighborhood-level urban sustainability assessment in Saudi Arabia	The University of Texas at San Antonio, ProQuest	USA	14-08-2014	Master Thesis

Activities in specialist bodies over the past 5 years:		
Organization	Role	Period
Not applicable.	Not applicable.	Not applicable.
Professional Training Programs over the past 5 years:		
Title	Organization	Period
A Mendeley Presentation	Mendeley	(online), 2017

How to Conduct A Systematic Literature Review Using Nvivo	University Technology Malaysia	2017
How to Develop Survey Instruments & Introduction to SMART PLS 3.0	University Technology Malaysia	2017
IBM SPSS.24 Basic to Advance, Scientia Academia	University Technology Malaysia	2017
Workshop on Questionnaire Design	Scientia Academia	2017
Structural Equation Modeling (SEM) - SMART PLS 3.0	Scientia Academia	2017
High Impact Publication in Sustainability Research	Elsevier	2018
Training of Trainers (TOT)	Al-Takamoliah International Management and Training	2018
Digital Construction, BIM - The Time Is Now-CIDB	MY BIM Center, CIDB	2018
Clinic of Qualitative Data Analysis	University Technology Malaysia	2018
Management of Crisis and Environmental Disaster	Umm Al Qura University	Online 2020
Skills of Dealing with the Tourist	Institute of Public Administration	Online 2020
Training of Trainers (TOT)	Technical and Vocational Training Corporation	2020
Training of Trainers (TOT)	Occupational Safety and Health	2021
Project Management Professional (PMP)	Dar Al-Auaa Training Center	Online 2024
Academic supervision	Umm Al Qura University	2024
Training of Trainers (TOT), Supervisory Training for Front-Line Workers In The Tourism Sector,	Ministry of Tourism	2024
Sustainable Urban Planning and Development	Urban Training Centre	2024
Train the Trainers	Les Roches	2024
The Research Bioethics	NCBE platform	2025Online

Curriculum Vitae of Faculty Members over the Past Five Years.

Name:	Abdullah Abdulhameed Abdullah Bagasi	
Position:	Assistant Professor	

Academic Career:

Degree	Specialization	Institution	Year
Ph.D.	Architecture Science	University of Nottingham, UK	2022
M.Sc.	Science in the Built Environment	Arizona State University, USA	2014
B.Arch.	Islamic Architecture	Umm Al-Qura University, KSA	2008

Employment:

Position	Employer	Period
Vice Dean for Academic Affairs	The Custodian of the Two Holy Mosques Institute for Hajj and Umrah Research, Umm Al-Qura University	2023 -Now
Assistant Professor	Department of Architecture, College of Engineering and Architecture Umm Al-Qura University	2023 -Now
Lecturer	Department of Architecture, College of Engineering and Architecture Umm Al-Qura University	2019-2023
Assistant Lecturer	Department of Architecture, College of Engineering and Architecture Umm Al-Qura University	2008-2019

Research and development projects over the past 5 years:

Name of project or research focus	Period	Partners (if applicable)	Amount of funding
Feasibility of transforming Makkah's Central Area into a Low-Emission Zone	2025	Not applicable	-----
Sustainable camp initiative in Mina	2023-2024	Not applicable	-----

Industry Collaborations over the past 5 years:

Project Title	Partners	Year
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Patents and Proprietary rights:

Title	Year
Not applicable.	


Publications (published papers and books over the past 5 years:

Total numbers: 6

Authors	Title	Publisher	Place of Publication	Date of Publication	Volume, issue, page number
Abdullah A Bagasi	Improving the sustainability of housing in the Holy places: a comprehensive evaluation framework for environmentally friendly camps in Mina	The Custodian of the Two Holy Mosques Institute for Hajj and Umrah Research	Al Madinah, Saudi Arabia	2024	Scientific proceedings of the Twenty-Third Scientific Forum on Hajj, Umrah and Visitation Research
Fathy Shaaban, Abdullah A Bagasi, Turki M. Habeebullah, Abdurahman Alhadharmi.	Assessing the geo-environmental hazards affecting the main roads and bridges linking the holy sites, during Hajj 1444 AH	The Custodian of the Two Holy Mosques Institute for Hajj and Umrah Research	Al Madinah, Saudi Arabia	2024	Scientific proceedings of the Twenty-Third Scientific Forum on Hajj, Umrah and Visitation Research
Karban, Abdullah, Naif Alaboud, Adnan Alshahrani, Abdullah Bagasi, Mosaab Alaboud.	The preventive measures of pandemics on construction projects: Lessons learned from Covid-19 in Saudi Arabia	Revista iberoamericana de psicología del ejercicio y el deporte	Spain	2024	19, no. 1, 117-122.
Abdullah A Bagasi	Investigation of the ventilation and thermal performance of mashrabiya for residential buildings in the hot-humid climate of Saudi Arabia	University of Nottingham	Nottingham, UK	2022	69422
Abdullah A Bagasi, John Kaiser Calautit	Investigation of the novel integration of mashrabiya and heat transfer devices for buildings in hot climates	Applied Energy Symposium : Low carbon cities and urban energy systems	Matsue, Japan	2021	47
Abdullah A Bagasi, John Kaiser Calautit	Experimental field study of the integration of passive and evaporative cooling techniques with Mashrabiya in hot climates	Energy and Buildings	Switzerland	2020	225, 110325.
Activities in specialist bodies over the past 5 years:					
Organization		Role		Period	
Not applicable.		Not applicable.		Not applicable.	
Professional Training Programs over the past 5 years:					
Title		Organization		Period	

Academic Leadership Development Program	Umm Al Qura University	5-2025
Scientific meeting: Unity of scientific methodology in research	Umm Al Qura University	4-2025
Workshop: Performance Indicators and Their Impact on Improving the Hajj Experience	Hajj Conference and Exhibition - Ministry of Hajj and Umrah	1-2025
Business Mentors Program Course	Social Development Bank	12-2024
Attending a workshop entitled "Excellence in Transportation and Crowd Management"	Custodian of the Two Holy Mosques Institute for Hajj and Umrah Research	9-2024
Attending a workshop to prepare the initial detailed plan for the Hajj season 1446 AH	Pilgrim Experience Program	9-2024
Training Program: Training of Trainers	Professional Development Center for Supervision and Training	2-2024
Training Program: Administrative Leadership	Professional Development Center for Supervision and Training	2-2024
Training Program: Creative Leadership	Professional Development Center for Supervision and Training	2-2024
Attending a Training of Trainers course	Personal Training Rehabilitation Center	5-2023

Curriculum Vitae of Faculty Members over the Past Five Years.

Name:	Adnan Yahya Abdullah Alshahrani	
Position:	Assistant Professor	

Academic Career:

Degree	Specialization	Institution	Year
Ph.D.	Urban Planning and Design	University of Salford, Manchester, United Kingdom	2020
M.Sc.	Urban Planning and Design	SCAD, Savannah, The United State	2014
B.Arch.	Islamic Architecture	Umm Al-Qura University, KSA	2008

Employment:

Position	Employer	Period
Assistant Professor	Department of Architecture, College of Engineering and Architecture Umm Al-Qura University	2020 -Now
Dean	The Custodian of the Two Holy Mosques Institute for Hajj and Umrah Research, Umm Al-Qura University	2023 -2025
General Supervisor	UQU Investment Department	2022-2023
Lecturer	Department of Architecture, College of Engineering and Architecture Umm Al-Qura University	2018-2020
Assistant Lecturer	Department of Architecture, College of Engineering and Architecture Umm Al-Qura University	2008-2018

Research and development projects over the past 5 years:

Name of project or research focus	Period	Partners (if applicable)	Amount of funding
Color-Based Wayfinding through Urban Design Elements to Reduce Pilgrims' Disorientation in Mina - Assistant	2024	Not applicable	-----
Enriching Pilgrims' Experience through Historical and Heritage Sites in Makkah - Assistant	2024	Not applicable	-----
Command and Control in Hajj Security Management: A Case Study- Assistant	2023-2024	Makkah Region Emirate	-----
Operational Strengths and Weaknesses of the Hajj Seasons An Analytical Study - Assistant	2023-2024	Makkah Region Emirate	-----
Evaluating the Effectiveness and the Accommodation Capacity in the Holy Sites - Assistant	2024	Makkah Region Emirate	-----

Evaluating the Effectiveness of Double-Decker Beds in Improving Accommodation Capacity in the Holy Sites - Assistant	2024	Makkah Region Emirate	----
Evaluating the Quality of Services Provided for Persons with Disabilities in the Holy Sites - Assistant	2023	Not applicable	----
Measuring Pilgrims' Satisfaction with the Services Provided during Hajj Seasons 2022 – 2023 – 2024 - Assistant	2022-2024	Makkah Region Emirate	----

Industry Collaborations over the past 5 years:

Project Title	Partners	Year
-----	-----	-----

Patents and Proprietary rights:

Title	Year
Not applicable.	

Publications (published papers and books over the past 5 years:

Total numbers: 13					
Authors	Title	Publisher	Place of Publication	Date of Publication	Volume, issue, page number
Alshahrani, A. Y.	Bridging cities and citizens with generative AI: Public readiness and trust in urban planning	Buildings	Basel, Switzerland	2025	15(14), 2494
Alshahrani, A., & Mostafa, A. M.	Enhancing the use of artificial intelligence in architectural education: A case study of Saudi Arabia	Frontiers in Built Environment	Lausanne, Switzerland	2025	—
Mostafa, A. M., & Alshahrani, A. Y.	Humanizing sustainable development through green spaces: A case study of Saudi cities	Frontiers in Sustainable Cities	Lausanne, Switzerland	2024	6, Article 6, Article 1416983
AlJahdali, I. A., Adly, H. M., & Alshahrani, A. Y.	Strategic enhancement of healthcare services during the Hajj season in Makkah: A comprehensive geographic information system (GIS) analysis	Cureus	San Francisco, USA	2024	16(8), e68030

Karban, Abdullah, Naif Alaboud, Adnan Alshahrani, Abdullah Bagasi, Mosaab Alaboud.	The preventive measures of pandemics on construction projects: Lessons learned from Covid-19 in Saudi Arabia	Revista iberoamericana de psicología del ejercicio y el deporte	Spain	2024	19, no. 1, 117-122.
Fathy Shaaban, Abdullah A Bagasi, Turki M. Habeebullah, Abdurahman Alhadharmi.	The Hajj Lab: A Multi-Layered Technological Approach to Enhancing Crowd Management through Stratospheric Airships and AI Analytics	The Custodian of the Two Holy Mosques Institute for Hajj and Umrah Research	Makkah, Saudi Arabia	2024	Scientific proceedings of the Twenty-Fourth Scientific Forum on Hajj, Umrah and Visitation Research, pp. 69–83
Alshahrani, A., Alaboud, N., Ahmed, Y., Karban, A., Majrashi, A. A., & Altowerqi, Z.	Critical success factor of PPP for affordable housing provision in Makkah, Saudi Arabia	Journal of Umm AlQura University for Engineering and Architecture	Makkah, Saudi Arabia	2023	14, 36–44
Alshahrani, A., Alaboud, N., Leje, M. I., Karban, A., & Altowerqi, Z.	Rating the significance of factors influencing shortage of skilled labour for sustainable construction: Perceptions of Makkah construction practitioners	Journal of Umm AlQura University for Engineering and Architecture	Makkah, Saudi Arabia	2023	14, 13–25
Kineber, A. F., Oke, A. E., Qaralleh, T. J. O., Alaboud, N. S., Alshahrani, A., Alaboud, M., & Daoud, A. O.	Cyber technology implementation barriers for sustainable buildings: A novel mathPLSSEM approach	Buildings	Basel, Switzerland	2023	13(4), 1052
Alaboud, N., & Alshahrani, A.	Adoption of building information modelling in the Saudi construction industry: An interpretive structural modelling	Sustainability	Basel, Switzerland	2023	15(7), 6130


Nabhan, Y. M., Karban, A. S., Alshahrani, A., Lamit, H., & Azizui, M.	Exploring community perception in decision making processes towards adaptive reuse of Al-Saqaf Palace for built heritage sustainability	Journal of Advanced Research in Business and Management Studies	Selangor, Malaysia	2021	25(1), 59–65
Alshahrani, A. Y.	Interpretive investigation into the implementation of sustainable business models within the Saudi housing construction industry	University of Salford	Manchester, United Kingdom	2020	Doctoral dissertation
Alshahrani, A. Y. A.	Mountain dwelling: Accommodating the masses at Mina, Mecca – the Muslims' holiest land	Savannah College of Art and Design, Department of Urban Design	Savannah, USA	2014	Master's thesis

Activities in specialist bodies over the past 5 years:


Organization	Role	Period
Not applicable.	Not applicable.	Not applicable.

Professional Training Programs over the past 5 years:


Title	Organization	Period
Workshop: Performance Indicators and Their Impact on Improving the Hajj Experience	Hajj Conference and Exhibition - Ministry of Hajj and Umrah	1-2025
How to use Taylor and Francis Journal features to publish your research	Taylor and Francis Group	02-2024
Scoups from Umm Al-ura University	Umm Al-Qura University	
Attending a workshop entitled "Excellence in Transportation and Crowd Management"	Custodian of the Two Holy Mosques Institute for Hajj and Umrah Research	9-2024
Attending a workshop to prepare the initial detailed plan for the Hajj season 1446 AH	Pilgrim Experience Program	9-2024
Training Program: Training of Trainers	Professional Development Center for Supervision and Training	2-2023
Attending a Training of Trainers course	Personal Training Rehabilitation Center	5-2022


Curriculum Vitae of Faculty Members over the Past Five Years			
Name:	Yahya Muhammad A. Nabhan		
Position: <i>Teaching area and designation</i>	Assistant Professor of Architecture		
			
Academic Career:			
Degree	Specialization	Institution	Year
Ph.D.	Urban Design	Universiti Teknologi Malaysia Johor Bahru	2024
M.Sc.	Urban Design & Architecture	(SCAD) Savannah College of Art and Design	2015
B.Sc.	Architecture	King Abdulaziz University	2005
Employment:			
Position	Employer	Period	
Architect	Architect at Alwtwron office for architectural design and building construction	2005- 2006	
Architect	Architect Engineer at the Ministry of Education in Riyadh	2006- 2009	
Architect	Architect Engineer at the Ministry of Education in Jeddah	2009-2011	
Teaching Assistant	Teaching Assistant at Umm Al-Qura University	2001-2022	
Lecturer	Lecturer at Umm Al-Qura University	2022-2025	
Doctour	Assistant Professor at Umm Al-Qura University	2005	
Research and development projects over the past 5 years:			
Funding	Name of project or research focus	Partners (if applicable)	Year
Industry Collaborations over the past 5 years:			
Project Title		Partners	Year
Patents and Proprietary rights:			
None			Title Year
Important Publications (published papers and books over the past 5 years:			
The Digital Transformation for the Construction Industry			
Urban Growth Studies for the Holy City of Makkah, Saudi Arabia, through Literature Synthesis			
Preservation of Islamic Urban Heritage to Enhance the Users' Expectation in the Holy City of Makkah			
The Influence of the Public Open Space around the Sacred Mosque in Makkah on Allah " the most merciful" Guests			
View of Explore Community Perception in Decision-Making Processes towards Adaptive Reusing of Alsaqaf Palace for the Sustainability of the Built Heritage and Decision-Making Processes			
دور بيت الله الحرام في النمو العمراني لمدينة مكة المكرمة			
Activities in specialist bodies over the past 5 years:			
		Role	Organization Year
Important Professional Training Programs over the past 5 years:			
		Title	Organization Year

Curriculum Vitae of Faculty Members over the Past Five Years.

Name:	Mohammad Abdullah Almahdi				
Position:	Assistant Professor of Architecture and Urban Design				
Academic Career:					
Degree	Specialization	Institution	Year		
PhD	Architecture and Urban Design	University of Strathclyde	2022		
Master's	Urban Design	University of Colorado Denver	2014		
Bachelor's	Architecture	King Abdulaziz University	2009		
Employment:					
Position	Employer		Period		
Faculty Member	College of Engineering and Islamic Architecture, Umm Al-Qura University		August 2010 Present		
Architect	Makkah and Madinah Development Authority and Holy Sites		December 2009 August 2010		
Architectural Researcher	Sabbagh Engineering Consultants & Associates		July 2009 November 2009		
Research and development projects over the past 5 years:					
Name of project or research focus	Period	Partners (if applicable)	Amount of funding		
Industry Collaborations over the past 5 years:					
Project Title		Partners	Year		
Patents and Proprietary rights:					
Title			Year		
Publications (published papers and books over the past 5 years:					
Total numbers:					
Authors	Title	Publisher	Place of Publication	Date of Publication	Volume, issue, page number
Activities in specialist bodies over the past 5 years:					
Organization		Role	Period		
Professional Training Programs over the past 5 years:					
Title		Organization	Period		

Curriculum Vitae of Faculty Members over the Past Five Years.


Name:	Mohanad Ahmad Alfelali				
Position:	Assistant Professor				
Academic Career:					
Degree	Specialization	Institution	Year		
Ph.D.	Architecture	Newcastle University	2024		
M.Sc.	Sustainable Design	Philadelphia University	2016		
B. Arch.	Architecture	Umm Al-Qura University	2011		
Employment:					
Position	Employer	Period			
Assistant Professor	College of Engineering and Architecture - Umm Al-Qura University	2024-Now			
Lecturer	College of Engineering and Architecture - Umm Al-Qura University	2022-2024			
Assistant Lecturer	College of Engineering and Architecture - Umm Al-Qura University	2017-2022			
Assistant Lecturer	College of Engineering - Taif University	2012-2017			
Research and development projects over the past 5 years:					
Name of project or research focus	Period	Partners (if applicable)	Amount of funding		
Industry Collaborations over the past 5 years:					
Project Title	Partners	Year			
Patents and Proprietary rights:					
Title	Year				
Publications (published papers and books over the past 5 years:					
Total numbers:					
Authors	Title	Publisher	Place of Publication	Date of Publication	Volume, issue, page number
MOHANAD A. ALFELALI & JOSEP-MARIA GARCIA-FUENTES	THE GROWTH OF THE HOLY MOSQUE IN MECCA AND THE FIRST LEGISLATION OF HERITAGE CONSERVATION IN SAUDI ARABIA (1955-2010)	WIT Press	Spain	2020	Volume 197, PP. 65-76
Activities in specialist bodies over the past 5 years:					
Organization	Role			Period	
Professional Training Programs over the past 5 years:					
Title	Organization			Period	

Curriculum Vitae of Faculty Members over the Past Five Years			
Name:	Ebaa Khalid Khan		
Position: <i>Teaching area and designation</i>	Assistant professor		
			
Academic Career:			
Degree	Specialization	Institution	Year
Ph.D.	Architecture	University of Liverpool – United Kingdom	2025
M.Sc.	Architecture	University of Liverpool – United Kingdom	2020
B.Sc.	Architecture	Umm Al-Qura University – Saudi Arabia	2011
Employment:			
Position	Employer		Period
Lecturer	Umm Al Qura University		2012
Teaching assistant	Umm Al Qura University		2025
Research and development projects over the past 5 years:			
Funding	Name of project or research focus	Partners (if applicable)	Year
Industry Collaborations over the past 5 years:			
Patents and Proprietary rights:			
None			
		Title	Year
Important Publications (published papers and books over the past 5 years:			
Khan, E., Sharples, S., & Mohammadpourkarbasi, H. (2022). Adopting Passivhaus principles in residential buildings in the extremely hot and dry climate of Saudi Arabia. In 3rd International Conference on Comfort at the Extremes (pp. 11 pages). Edinburgh.			
Activities in specialist bodies over the past 5 years:			
Role	Organization		Year
Important Professional Training Programs over the past 5 years:			
Title	Organization		Year
1-Training of Trainers (TOT) Course	General Organization for Technical and Vocational Training		2025
2-Training of the Design Builder software course	University of Liverpool		2023
3- Passive House Planning Package Course	Passive House Institute		2022




Faculty Curriculum Vitae (Lectures)


2025-2026

Curriculum Vitae of Faculty Members over the Past Five Years			
Name:	Mohammad Altaher M. H. Aljifri		
Position:	Lecturer		
			
Academic Career:			
Degree	Specialization	Institution	Year
Master of Philosophy in Architecture (MPhil.)	Construction Management	University of Liverpool, UK	2004
Master of Architecture (March.)	Construction Management	University of Liverpool, UK	1999
Bachelor of Architecture (BArch.)	Architecture	Umm Al-Qura University	1996
Employment:			
Position	Employer	Period	
Architect	Bin-Laden Group	1995-1996	
Architect	King Abdul-Aziz University	1996-1997	
Teacher Assistant	Umm Al-Qura University	1997-2013	
Lecturer	Umm Al-Qura University	2013-Present	
Research and development projects over the past 5 years:			
Funding	Name of project or research focus	Partners (if applicable)	Year
Industry Collaborations over the past 5 years:			
Project Title	Partners		Year
Patents and Proprietary rights:			
Title			Year
None			
Important Publications (published papers and books over the past 5 years):			
Risk Management approaches in Property Development Industry in the UK			
The Accuracy of Calculating Cost Flow Curves for Contractors by Using Individual Cost Element			
Activities in specialist bodies over the past 5 years:			
Role	Organization	Year	
Membership	Saudi Council of Engineering	2017-Present	
Important Professional Training Programs over the past 5 years:			
Title	Organization	Year	
Efficient Leadership	Jeddah Chamber of Commerce and Industry KSA	2024	
Academic Supervision Course	Umm Al-Qura University	2025	

Curriculum Vitae of Faculty Members over the Past Five Years.

Name:	Mohammed Dakhilallah S Alharthi				
Position:	Lecturer				
Academic Career:					
Degree	Specialization	Institution	Year		
Bachelor of Islamic Architecture	Islamic Architecture	Umm Al-Qura University	2010		
Master of Arts in Architecture	Architecture	University of Liverpool	2019		
Employment:					
Position	Employer	Period			
Architect	Alharthi consulting engineers	2009-2011			
Architect	Omranियoun Urban Planning Co.	2011			
Teaching Assistant	Umm Al Qura University	2014-2024			
Lecturer	Umm Al Qura University	2024-until now			
Research and development projects over the past 5 years:					
Name of project or research focus	Period	Partners (if applicable)	Amount of funding		
Not applicable.					
Industry Collaborations over the past 5 years:					
Project Title	Partners	Year			
Not applicable.					
Patents and Proprietary rights:					
Title	Year				
Not applicable.					
Publications (published papers and books over the past 5 years:					
Total numbers: 1					
Authors	Title	Publisher	Place of Publication	Date of Publication	Volume, issue, page number
Alharthi, M, Sharples, S	Modelling and testing extendable shading devices to mitigate thermal discomfort in a hot arid climate	PLEA 2020 A CORUÑA. Planning Post Carbon Cities	A CORUÑA, SPAIN	9,2020	Volume 1, 35th, P 654

Curriculum Vitae of Faculty Members over the Past Five Years.

Name:	Lewaa Mohammad Kabli				
Position:	Teaching Assistant				
Academic Career:					
Degree	Specialization	Institution	Year		
Bachelor's degree	Architecture	Umm Al Qura University	2009		
Master's degree	Master of Architecture	Curtin University	2023		
Employment:					
Position	Employer	Period			
Teaching Assistant	Umm Al Qura University	2010- until now			
Research and development projects over the past 5 years:					
Name of project or research focus	Period	Partners (if applicable)	Amount of funding		
Industry Collaborations over the past 5 years:					
Project Title	Partners	Year			
Patents and Proprietary rights:					
Title	Year				
Publications (published papers and books over the past 5 years:					
Total numbers:					
Authors	Title	Publisher	Place of Publication	Date of Publication	Volume, issue, page number
Activities in specialist bodies over the past 5 years:					
Organization	Role	Period			
Professional Training Programs over the past 5 years:					
Title	Organization	Period			


Curriculum Vitae of Faculty Members over the Past Five Years			
Name:	Husam Ahmed Murad		
Position: <i>Teaching area and designation</i>	Architecture Lecturer		
			
Academic Career:			
Degree	Specialization	Institution	Year
Ph.D.			
M.Sc.	Architecture	Woodbury University - Burbank	2016
B.Sc.	Architecture	Umm Al-Qura University	2009
Employment:			
Position	Employer		Period
Architecture lecturer	Umm Al-Qura University		06/2016 – Current
Teacher Assistant	Umm Al-Qura University		04/2010 – 06/2016
Research and development projects over the past 5 years:			
Funding	Name of project or research focus	Partners (if applicable)	Year
Industry Collaborations over the past 5 years:			
Project Title		Partners	Year
Patents and Proprietary rights:			
None			
		Title	Year
Important Publications (published papers and books over the past 5 years):			
<p>1-Generative Artificial Intelligence as a source of inspiration for a modern and authentic architectural identity for Makkah city. Reference: Journal of Architecture and Planning, Vol. 36 (3), pp. 359-379, Riyadh (2024/1446H).</p> <p>2-Architectural and functional characteristics of the local mosque in the Holy City of Makkah (Arabic). Reference: Umm Al-Qura University Journal of Engineering & Architecture, 2020, Vol 11, Issue 2, p88</p>			
Activities in specialist bodies over the past 5 years:			
	Role	Organization	Year
Important Professional Training Programs over the past 5 years:			
	Title	Organization	Year



Faculty Curriculum Vitae (Demonstrators)

2025-2026

Curriculum Vitae of Faculty Members over the Past Five Years.

Name:	Saleh Farook S Salamah		
Position:	Teaching Assistant		
Academic Career:			
Degree	Specialization	Institution	Year
Bachelor of Islamic Architecture	Islamic Architecture	Umm Al-Qura University	2013 until now
Employment:			
Position	Employer	Period	
Architect	Architecture & Engineering Office (Dr. Engineer : Yahya Hamza Koshak) Makkah Branch	2013-2015	
Teaching Assistant	Umm Al-Qura University	2015 until now	
Research and development projects over the past 5 years:			
Name of project or research focus	Period	Partners (if applicable)	Amount of funding
The problem of sustainable housing in makkah between need and identity	2022	Mohamed Abouliela, Khaled Sami, Saleh Salamah	-
Industry Collaborations over the past 5 years:			
Project Title	Partners	Year	
Not applicable.			
Patents and Proprietary rights:			
Title			Year
Not applicable.			
Publications (published papers and books over the past 5 years:			
Not applicable.			
Activities in specialist bodies over the past 5 years:			
Organization	Role	Period	
Not applicable.	Not applicable.	Not applicable.	
Professional Training Programs over the past 5 years:			
Title	Organization	Period	
Differentiated education and learning styles	Umm Al Qura University	Two Hours (online), 31/12/2024	
Investing in digital education technologies and artificial intelligence via Blackboard	Umm Al Qura University	Two Hours (online), 21/01/2025	
Review program reports and courses	Umm Al Qura University	Two Hours (online), 27/04/2025	

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