

Waqas Ahmed Mahar

Professor

School of Art, Design And Architecture

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Contact:

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About

Dr. Waqas Ahmed Mahar is working as Professor in the School of Art, Design And Architecture. Dr. Waqas Ahmed Mahar has a PhD in Architecture and Urban Planning. Dr. Waqas Ahmed Mahar has published 24 research articles & conference papers having a citation count of 198, carried out 0 projects and filed 0 intellectual property.

Qualifications

PhD in Architecture and Urban Planning Université de Liège , Belgium	2017 - 2021
MSc in Planning-Housing Universiti Teknologi Malaysia , Malaysia	2010 - 2012
B.Arch in Architecture Mehran University of Engineering & Technology , Pakistan	2004 - 2009

Experience

Professor School of Art, Design And Architecture	2025- Present
Associate Professor (BPS-20 Equivalent) Aror University of Art, Architecture, Design and Heritage, Sukkur, Sindh, Pakistan , RCW Rohri Bypass, Sukkur, Pakistan	2024 - 2025
Chairman, Architecture Aror University of Art, Architecture, Design and Heritage, Sukkur, Sindh, Pakistan , RCW Rohri Bypass, Sukkur, Pakistan	2023 - 2025
Professor (Ad-hoc) Aror University of Art, Architecture, Design and Heritage, Sukkur, Sindh, Pakistan , RCW Rohri Bypass, Sukkur, Pakistan	2023 - 2024
Chairperson, Department of Architecture Balochistan University of Information Technology, Engineering, and Management Sciences (BUIEMS), Quetta, Pakistan , Baleli, Airport Road, Quetta, Pakistan	2022 - 2023
Assistant Professor Balochistan University of Information Technology, Engineering, and Management Sciences (BUIEMS), Quetta, Pakistan , Baleli, Airport Road, Quetta, Pakistan	2013 - 2023
Lecturer Balochistan University of Information Technology, Engineering, and Management Sciences (BUIEMS), Quetta, Pakistan , Baleli, Airport Road, Quetta, Pakistan	2013 - 2013
Manager of Housing and Residential Care Facilities PPKKTABJJ, Johor, Malaysia , Saleng, Senai, Johor, Malaysia	2012 - 2012
Intern Universiti Tunku Abdul Rahman (UTAR), Malaysia , Kuala Lumpur, Malaysia	2011 - 2011
Design Consultant THE GLOBAL ARCHITECTS, Hyderabad, Pakistan , Hyderabad, Pakistan	2010 - 2012
Intern Mehran University of Engineering and Technology (MUET), Jamshoro, Pakistan , Jamshoro, Pakistan	2010 - 2010
Architect THE GLOBAL ARCHITECTS, Hyderabad, Pakistan , Hyderabad, Pakistan	2009 - 2010

- Refining climate zoning in North Africa: A 30-Year analysis of heating and cooling degree days for energy planning and adaptation** 2025
Mohamed Elhadi Matallah Andreas Matzarakis Aissa Boulkaibet Atef Ahriz Dyna Chourouk Zitouni Fatima Zahra Ben Ratmia Waqas Ahmed Mahar Faten Ghanemi Shady Attia
Energy and Buildings , Volume 342, Article Number 115852
Impact Factor: 7.100 | **Quartile:** 1
DOI: 10.1016/j.enbuild.2025.115852
- An Investigation of Microclimatic Influences on Pedestrian Perception and Walking Experience in Contrasting Urban Fabrics: The Case of the Old Town and the Lower City of Béjaïa, Algeria** 2025
Yacine Mansouri Mohamed Elhadi Matallah Abdelghani Attar Waqas Ahmed Mahar Shady Attia
Urban Science , Volume 9(7), Article Number 243
Impact Factor: 2.900 | **Quartile:** 1
DOI: 10.3390/urbansci9070243
- Bridging Urban Renewal and Cultural Regeneration: The Case of Meezan Chowk in Quetta, Pakistan** 2025
Abdal Khan Tareen Sarina Tareen Abdul Waheed Memon Naveed Iqbal Waqas Ahmed Mahar
Architecture , Volume 5(3), Article Number 41
Impact Factor: 1.400 | **Quartile:** 3
DOI: <https://doi.org/10.3390/architecture5030041>
- Multi-objective optimization of insulation materials for building energy and comfort improvements in hot and arid regions** 2025
Ihsan Ali Changhai Peng Habib Ullah Jingfeng Deng Waqas Ahmed Mahar Aunta Bibi
Building Research and Information , Pages 1-20
Impact Factor: 3.400 | **Quartile:** 2
DOI: 10.1080/09613218.2025.2506052
- Barriers to Adopting Green Building Practices: A Case Study of Quetta, Pakistan** 2024
Maska Khan Muhammad Irfan Muhammad Habib Waqas Ahmed Mahar Asma Batool
The Sciencetech , Volume 5, Issue 3, Pages 180-196
Impact Factor: N/A
- Measuring community disaster resilience in Southern Punjab: a study of 2022 floods in Pakistan** 2024
Anum Aleha Syeda Mahwish Zahra Abdul Waheed Memon Waqas Ahmed Mahar
Natural and Applied Sciences International Journal (NASIJ) , Volume 5, No. 1, Pages 113-129
Impact Factor: N/A
DOI: <https://doi.org/10.47264/idea.nasij/5.1.8>
- Buffer Zone Policy and its Impact on the Land Value and the Quality of the Built Environment in World Heritage Sites: The Case of Kampung Jawa, Melaka, Malaysia** 2024
Sayed Mohammad Mousavi Shariyeh Hosseininasab Waqas Ahmed Mahar
Architecture and Engineering , Volume 9(1), Pages 91-102
Impact Factor: N/A | **Quartile:** 3
DOI: <https://doi.org/10.23968/2500-0055-2024-9-1-91-102>
- Experimental Investigation of Mechanical Properties of Concrete Mix with Lightweight Expanded Polystyrene and Steel Fibers** 2024
Syed Jahanzaib Shah Asad Naeem Farzad Hejazi Waqas Ahmed Mahar Abdul Haseeb
CivilEng , Volume:5, Issue:1, Pages 209-223
Impact Factor: N/A | **Citations:** 5
DOI: <https://doi.org/10.3390/civileng5010011>
- Effect of Street Asymmetry, Albedo, and Shading on Pedestrian Outdoor Thermal Comfort in Hot Desert Climates** 2024
Hakima Necira Mohamed Elhadi Matallah Soumia Bouzaher Waqas Ahmed Mahar Atef Ahriz
Sustainability , Volume:16, Issue:3, Article Number 1291
Impact Factor: 3.300 | **Quartile:** 2 | **Citations:** 8
DOI: <https://doi.org/10.3390/su16031291>
- Street Design Strategies Based on Spatial Configurations and Building External Envelopes in Relation to Outdoor Thermal Comfort in Arid Climates** 2023
Fatima Zahra Ben Ratmia Atef Ahriz Giovanni Santi Soumia Bouzaher Waqas Ahmed Mahar Mohamed Akram Eddine Ben Ratmia Mohamed Elhadi

Matallah	
<i>Sustainability</i> , Volume:16, Issue:1, Article Number 221	
Impact Factor: 3.300 Quartile: 2 Citations: 5	
DOI: https://doi.org/10.3390/su16010221	
Assessment of Transit Congestion for Sustainable Urban Transport Management in Quetta, Pakistan	2023
Muhammad Amjad Khan Naveed ur Rehman Anwar Abdul Waheed Memon Gohram Khan Malghani Reena Majid Memon Waqas Ahmed Mahar	
<i>The Sciencetech</i> , Volume 4, Issue 3, Pages 35-54	
Impact Factor: N/A	
Urban Sprawl, Its Impact and Challenges: A Case Study of Quetta, Pakistan	2022
Naveed ur Rehman Anwar Waqas Ahmed Mahar Sabeen Qureshi Sohrab Ahmed Marri Gohram Khan Malghani Muhammad Amjad Khan	
<i>Journal of Applied and Emerging Sciences (JAES)</i> , Volume 12, Issue 02, Pages 99-108	
Impact Factor: N/A	
DOI: http://dx.doi.org/10.36785/jaes.122450	
Parametric Performance Analysis of the Cooling Potential of Earth-to-Air Heat Exchangers in Hot and Humid Climates	2022
Mushk Bughio Swati Bahale Waqas Ahmed Mahar Thorsten Schuetze	
<i>Energies</i> , Volume:15, Issue:19, Article Number 7054	
Impact Factor: 3.200 Quartile: 3 Citations: 6	
DOI: https://doi.org/10.3390/en15197054	
Factors That Influence Travelers' Willingness to Adopt Bus Rapid Transit (Green Line) Service in Karachi	2022
Rabia Soomro Irfan Ahmed Memon Agha Faisal Habib Pathan Waqas Ahmed Mahar Noman Sahito Zulfiqar Ali Lashari	
<i>Sustainability</i> , Volume:14, Issue:16, Article Number 10184	
Impact Factor: 3.900 Quartile: 2 Citations: 7	
DOI: https://doi.org/10.3390/su141610184	
How Tmrt Affects PET Assessment in Outdoor Environments: A Comparative Study	2022
Kahina Labdaoui Waqas Ahmed Mahar Sabeen Qureshi Sohrab Ahmed Marri	
<i>Journal of Art, Architecture and Built Environment (JAABE)</i> , Volume 5(1), Pages 121-138	
Impact Factor: N/A	
DOI: https://doi.org/10.32350/jaabe.51.06	
Architecture For “Other”? Building A Critical Account On Architecture “Othering” From Colonial To Post-Colonial Time (19th Century - Present Time)	2022
Sohrab Ahmed Marri Waqas Ahmed Mahar Sabeen Qureshi Reena Majid Memon	
<i>Webology</i> , Volume 19, No. 2, Pages 7923-7935	
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Assessment of Human Outdoor Thermal Comfort in a Palm Grove during the Date Palm Phenological Cycle	2022
Mohamed Elhadi Matallah Hicham Fawzi Arrar Mohammed Faci Waqas Ahmed Mahar Fatima Zahra Ben Ratmia Shady Attia	
<i>Atmosphere</i> , Volume 13, Issue 3, Article Number 379	
Impact Factor: 2.900 Quartile: 3 Citations: 3	
DOI: https://doi.org/10.3390/atmos13030379	
Prediction of climate change effect on outdoor thermal comfort in arid region	2021
Mohamed Elhadi Matallah Waqas Ahmed Mahar Mushk Bughio Djamel Alkama Atef Ahriz Soumia Bouzaher	
<i>Energies</i> , Volume:14, Issue:16, Article Number 4730	
Impact Factor: 3.252 Quartile: 3 Citations: 9	
DOI: https://doi.org/10.3390/en14164730	
Impact of passive energy efficiency measures on cooling energy demand in an architectural campus building in karachi, pakistan	2021
Mushk Bughio Muhammad Shoaib Khan Waqas Ahmed Mahar Thorsten Schuetze	
<i>Sustainability (Switzerland)</i> , Volume:13, Issue:13, Article Number 7251	
Impact Factor: 3.889 Quartile: 2 Citations: 23	
DOI: https://doi.org/10.3390/su13137251	
Assessment of passive retrofitting scenarios in heritage residential buildings in hot, dry climates	2021
Hanan S.S. Ibrahim Ahmed Z. Khan Waqas Ahmed Mahar Shady Attia Yehya Serag	
<i>Energies</i> , Volume:14, Issue:11, Article Number 3359	

Impact Factor: 3.252 | **Quartile:** 3 | **Citations:** 13

DOI: <https://doi.org/10.3390/en14113359>

Development of spatial distribution maps for energy demand and thermal comfort estimation in Algeria

2020

Samir Semahi Mohammed Amin Benbouras Waqas Ahmed Mahar Nouredine Zemmouri Shady Attia

Sustainability (Switzerland) , Volume:12, Issue:15, Article Number 6066

Impact Factor: 3.251 | **Quartile:** 2 | **Citations:** 23

DOI: <https://doi.org/10.3390/su12156066>

Comparative analysis of indoor environmental quality of architectural campus buildings' lecture halls and its' perception by building users, in Karachi, Pakistan

2020

Mushk Bughio Thorsten Schuetze Waqas Ahmed Mahar

Sustainability , Volume 12, Issue 7, Article Number 2995

Impact Factor: 3.251 | **Quartile:** 2 | **Citations:** 23

DOI: <https://doi.org/10.3390/su12072995>

Sensitivity analysis of passive design strategies for residential buildings in cold semi-arid climates

2020

Waqas Ahmed Mahar Griet Verbeeck Sigrid Reiter Shady Attia

Sustainability (Switzerland) , Volume:12, Issue:3, Article Number 1091

Impact Factor: 3.251 | **Quartile:** 2 | **Citations:** 45

DOI: <https://doi.org/10.3390/su12031091>

An investigation of thermal comfort of houses in dry and semi-arid climates of Quetta, Pakistan

2019

Waqas Ahmed Mahar Griet Verbeeck Manoj Kumar Singh Shady Attia

Sustainability , Volume 11, Issue 19, Article Number 5203

Impact Factor: 2.576 | **Quartile:** 2 | **Citations:** 28

DOI: <https://doi.org/10.3390/su11195203>