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Designation		Chairperson/Assistant Professor		
Department		Architecture		
Faculty		Engineering & Architecture (FoE&A)		
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		Mobile	+92 300 3131349	
Qualification				
Year	Degree/Certificate	Name of the Institute/ University	Field of study	
2021	PhD	University of Liège, Liège, Belgium	Architecture and Urban Planning	
2012	MS/M.Phil.	Universiti Teknologi Malaysia (UTM), Johor, Malaysia	Planning-Housing	
2009	Graduation	Mehran University of Engineering & Technology (MUET), Jamshoro, Pakistan	Architecture	
Publications in HEC Recognized Journals				
S. No.	Title of Paper	Name of Journal	National/ International	Publication date
1.	Urban Sprawl, Its Impact and Challenges: A Case Study of Quetta, Pakistan	Journal of Applied and Emerging Sciences	National	Accepted for Publication in Vol. 12 (2), 2022
2.	Parametric Performance Analysis of Cooling Potential of Earth-to-Air Heat Exchangers in the Hot and Humid Climates	Energies	International	2022
3.	Easy Movement Facilities for Users' Comfort in Shopping Malls in Clifton, Karachi, Pakistan	Journal of Xi'an Shiyu University, Natural Sciences Edition	International	2022
4.	LA MAISON DE VERRE (Myth of Transparency/Translucency and Light)	Journal of Xi'an University of Architecture & Technology	International	2022
5.	Factors That Influence Travelers' Willingness to Adopt Bus Rapid Transit (Green Line) Service in Karachi	Sustainability	International	2022
6.	How Tmrt Affects PET Assessment in Outdoor Environments: A Comparative Study	Journal of Art, Architecture and Built Environment	National	2022
7.	Architecture For "Other"? Building A Critical Account On Architecture "Othering" From Colonial To Post-Colonial Time (19th Century - Present Time)	Webology	International	2022
8.	Assessment of Human Outdoor Thermal Comfort in Palm Grove during the Date Palm Phenological Cycle	Atmosphere	International	2022
9.	Prediction of climate change effect on outdoor thermal comfort in arid region	Energies	International	2021

10.	Impact of passive energy efficiency measures on cooling energy demand in an architectural campus building in Karachi, Pakistan	Sustainability	International	2021
11.	Assessment of passive retrofitting scenarios in heritage residential buildings in hot, dry climates	Energies	International	2021
12.	Development of spatial distribution maps for energy demand and thermal comfort estimation in Algeria	Sustainability	International	2020
13.	Comparative analysis of indoor environmental quality of architectural campus buildings' lecture halls and its' perception by building users, in Karachi, Pakistan	Sustainability	International	2020
14.	Sensitivity analysis of passive design strategies for residential buildings in cold semi-arid climates	Sustainability	International	2020
15.	An investigation of thermal comfort of houses in dry and semi-arid climates of Quetta, Pakistan	Sustainability	International	2019

Papers Published in Conference Proceedings

S. No.	Title of Paper	Name of Conference	National/ International	Date
1.	The assessment of outdoor thermal comfort inside oasis settlements in North Africa - Algeria	Journal of Physics: Conference Series, IOP Publishing	International	2021
2.	Dynamics Sensitivity analysis of glazing parameters and operational schedules on energy consumption and life cycle cost	Building Simulation	International	2019
3.	Building energy efficiency policies and practices in Pakistan: A literature review	AIP Conference Proceedings, AIP Publishing LLC.	International	2019
4.	Renewable energy technologies in Balochistan: Practice, prospects, and challenges	EESD 2018, Jamshoro, Pakistan	International	2018

Papers Presented at Conferences

1.	Climate change, thermal comfort, and energy efficiency: Meeting the challenges of cities in the 21st century	Saving Our Cities: Looming Challenges and Data-driven Policy making, Lahore, PK	National	2022
2.	Building energy efficiency policies in Pakistan: Current Issues and Future Prospects	International Symposium on Architecture and Planning (ISAAP 2022), Lahore, PK	International	2022
3.	Study of Indoor Environmental Quality of Public-School Classrooms in Multan	2 nd ICEST 2022, D.G. Khan, Pakistan	International	2022
4.	Urban green spaces and their role in making cities sustainable: revisiting Multan city from 1988 to 2020	ICEST 2021, D.G. Khan, Pakistan	International	2021
5.	Indoor thermal comfort assessment of residential building stock in Quetta, Pakistan	ENHR 2018, Uppsala, Sweden	International	2018
6.	Structural defects in residential buildings: A study of Quetta, Pakistan	ICAET 2018, Quetta, Pakistan	International	2018
7.	Disaster mitigation strategies for adobe houses: A case study of District Awaran, Balochistan, Pakistan	ICAET 2018, Quetta, Pakistan	International	2018
8.	Methodology to determine housing characteristics in less developed areas in developing countries: A case study of Quetta, Pakistan	ENHR 2017, Tirana, Albania	International	2017

Scientific Posters

S. No.	Title of Poster	Organizer	National/ International	Date
1.	Methodology for the design of climate-responsive houses for optimized thermal comfort in Quetta, Pakistan	RAOS, Brussels, Belgium	International	2018
2.	Thermal comfort in residential building stock of Quetta, Pakistan	Université Libre de Bruxelles, Brussels, Belgium	International	2018

3.	Methodology for the design and development of a sustainable house concept for Quetta, Pakistan	University of Liège, Belgium	International	2017
Scientific Reports				
S. No.	Name of report		Publisher	ISBN
1.	Indoor thermal comfort assessment in residential building stock: A study of RCC houses in Quetta, Pakistan		SBD Lab, ULiège, Belgium	978-2-930909-14-1
2.	An overview of housing conditions, characteristics and existing infrastructure of energy, water & waste systems in Quetta, Pakistan		SBD Lab, ULiège, Belgium	978-2-930909-11-0
News Articles				
S. No.	Title of Article		Publisher	Date
1.	Thermal comfort, energy management scenario of Pakistan		Pakistan Observer	2019
Awards and Achievements				
S. No.	Awards & Recognition		Organization	Date
1.	Provincial Head/ Coordinator		National Platform for Housing Research (NPHR), Pakistan	Jul 2022
2.	Topic Editor - Frontiers in Built Environment (e-ISSN: 2297-3362) Special Edition on "Assessment of Users' Satisfaction in Public Spaces"		Frontiers Media, Switzerland	Jul 2022
3.	Conference Programme Committee (CPC) International Conference on Applied Education, Technology and Innovation (AETI 2022).		The Technological and Higher Education Institute of Hong Kong (THEi).	May 2022
4.	Doctoral Committee Member College of Arts and Architecture		The Pennsylvania State University, United States	Apr 2022
5.	Review Editor on the Editorial Board of Quantitative Sustainability Assessment (speciality section of Frontiers in Sustainability) (e-ISSN 2673-4524)		Frontiers Media, Switzerland	Mar 2022
6.	Vice Chairman		Institute of Architects, Pakistan (IAP) Quetta Chapter	Feb 2022
7.	Honorary Fellow		Philippine Institute of Architects (PIA), Philippines	Feb 2022
8.	Institutional Representative of BUIITEMS Quetta		National Platform for Housing Research (NPHR), Pakistan	Oct 2021
9.	First HEC Approved PhD Supervisor in Balochistan (Architecture and Urban Planning)		Higher Education Commission (HEC), Pakistan	Sep 2021
10.	Expert Member, Board of Studies-Master of Architecture (M.Arch.)		Institute of Southern Punjab (ISP), Multan	Aug 2021
11.	First PhD in Architecture and Urban Planning in Balochistan		BUIITEMS Quetta	May 2021
12.	Member, International Scientific Committee		CCES 2021, Chongqing, China	Apr 2021
13.	FSA End of Thesis Funding		Faculty of Applied Sciences, University of Liège, Belgium	Jun 2020
14.	National Scholarship Programme of the Slovak Republic		SAIA, Slovak Republic	Dec 2019
15.	Advisory Board Member		IDSP, Quetta, Pakistan	Jul 2018
16.	Most Global Minded Member		AIIESEC in Belgium	May 2016
17.	HEC Pakistan PhD Scholarship (HRDI-UESTP)		Higher Education Commission (HEC), Pakistan	Jun 2015
18.	Best Student Award (Gold Medal)		Universiti Teknologi Malaysia (UTM)	Sep 2012
19.	Junior of the Year Award		AIIESEC in Malaysia	2011
20.	Education Endowment Fund		Government of Sindh	2004

Work Experience				
S. No	From (year)	To (year)	Name of the Institution/ Organization	Position held
1.	Feb 2021	To date	BUIITEMS Quetta, Pakistan	Chairperson
2.	Aug 2013	To date	BUIITEMS Quetta, Pakistan	Assistant Professor
3.	Jan 2013	Aug 2013	BUIITEMS Quetta, Pakistan	Lecturer
4.	Jul 2012	Dec 2012	PPKKTAJBJ, Johor, Malaysia	Manager of Housing & Residential Care Facilities
5.	Jun 2011	Aug 2011	Universiti Tunku Abdul Rahman (UTAR), Setapak, Kuala Lumpur, Malaysia	Internee, Department of Built Environment
6.	Jun 2010	Jun 2012	The Global Architects, Hyderabad, Pakistan	Design Consultant/Advisor
7.	Feb 2010	Jun 2010	Mehran University of Engineering & Technology (MUET) Jamshoro, Pakistan	Internee, Department of Architecture
8.	Jan 2009	Jun 2010	The Global Architects, Hyderabad, Pakistan	Architect
9.	Jun 2006	Dec 2008	The Global Architects, Hyderabad, Pakistan	Internee
Area of specialization			Sustainable Architecture & Urbanism, Thermal Comfort, Building Performance Simulation (BPS)	
Research Interest			Climate-Responsive Design, Design Decision-Support, Indoor Environmental Quality (IEQ), Housing, Building Defects & Rework	
Future Research Plans			Improvement of Thermal Comfort, IEQ and Energy Efficiency in Buildings	
HEC Approved supervisor			Yes	
If yes, provide HEC URL			https://www.hec.gov.pk/english/scholarshipsgrants/ASA/Pages/APS-EPORTAL.aspx	
Research Projects			<ol style="list-style-type: none"> 1. Thermal Comfort, Energy Management and Renewable Energy Technologies in Pakistan: Practice, Prospects and Challenges 2. Housing Performance Characterisation and Thermal Comfort in Pakistan 3. Indoor Environmental Quality (IEQ) and Energy Performance of Educational Buildings in Pakistan 	
Additional Information				
<u>Professional Memberships</u>				
<ol style="list-style-type: none"> 1. Member, Pakistan Council of Architects and Town Planners (PCATP) A-3012 2. Associate Member, Institute of Architects, Pakistan (IAP) 3. Associate Member, Pakistan Institute of Interior Designers (PIID) 4. Member, International Council on Monuments and Sites (ICOMOS) 5. Member, International Committee on Intangible Cultural Heritage (ICICH) 				
<u>Profiles</u>				
<ol style="list-style-type: none"> 1. LinkedIn: https://www.linkedin.com/in/architectwaqas/ 2. Google Scholar: https://scholar.google.com/citations?user=y_AErVkAAAAJ&hl=en 3. Researchgate: https://www.researchgate.net/profile/Waqas-Mahar 4. Web of Science: https://www.webofscience.com/wos/author/record/578038 5. ORCID: https://orcid.org/0000-0003-1478-6246 6. Web: https://www.architectwaqas.com 				