



School of Architecture and Planning

**Research Outlook
(2023-24)**

Research Groups

Group Name	Members	Focus Of Research Group
Housing Research Dr. Fariha Tariq (Team Lead)	Ar. Saira Naeem Ar. Fahad Khan Plnr Amjad Ali	<ul style="list-style-type: none">● Low-income housing● Affordable Housing● Community Development
Heritage Conservation Dr. Saima Gulzar (Team Lead)	Ar. Faiqa Khilat Ar. Farah Jamil Ar. Madiha Ghafoor	<ul style="list-style-type: none">● Investigates methods to preserve and protect cultural landmarks● Ensuring their historical significance and structural integrity for future generations

Research Groups

Group Name	Members	Focus Of Research Group
Artificially Intelligent Architectures Dr. Danyal Ahmed (Team Lead)	Ar. Seemin Aslam Ar. Hira Binte Iftikhar Ar. Arsala Hashmi Ar. Aleena Sohail Engr. Beenish Mujahid	<ul style="list-style-type: none">History, Theory and Criticism of Artificially Intelligent Architectures
Climate Change Health and Wellbeing Dr. Omer Shujat Bhatti (Team Lead)	Ar. Saad Mujahid Ar. Fahad Khan Ar. Faiqa Khan Ar. Rameesha Khan Plnr. Rumana Sherwani	<ul style="list-style-type: none">Sustainable Cities and CommunitiesGood Health and Well Being

Research Groups

Group Name	Members	Focus Of Research Group
Technology Adoption, Renewable Energy Usage and Inclusive Cities Dr. Farrukh Baig (Team Lead)	Plnr. Amjad Ali Plnr. Amna Ali	<ul style="list-style-type: none">● Sustainable Cities and Communities● Affordable and Clean Energy● Good Health and Well Being
Materials and Structures Engr. Beenish Mujahid (Team Lead)	Ar. Kabir ud Din Naseer Ar. Rashid Ali Khan Ar. Sarmad Salahuddin	<ul style="list-style-type: none">● Exploration of materials and structure possibilities for interior and exterior

Faculty Publications

Publications

Author Name	Title of Publication	Relevant SDG	Category
Samirah Pervaiz, Dr. Fariha Tariq, Farah Jamil, Faiqa Khilat & Dr. Muhammad Amir Basheer	Placemaking for social cohesion and economic vitality: The role of urban design in transforming local markets in Pakistan.	SDG 11: Sustainable Cities and Communities	W
Dr. Farrukh Baig, Dr.Fariha Tariq	Adoption of Electric Motorcycles in Pakistan: A Technology Acceptance Model Perspective.	SDG 11: Sustainable Cities and Communities	W
Samirah Pervaiz, Dr. Fariha Tariq	Emerging Patterns in Roadside Landscape: A Case Study of Lahore Ring Road.	SDG 11: Sustainable Cities and Communities	Y
Dr. Saima Gulzar	Practices contributing to building sustainability: Investigating opinions of architecture students using partial least squares structural equation modeling	SDG 4: Quality Education	Y

Publications

Author Name	Title of Publication	Relevant SDG	Category
Bazla Manzoor, Dr. Saima Gulzar Faiqa Khan	A Study of Coronation Library Faisalabad- Focusing on Aesthetics	SDG 11: Sustainable Cities and Communities	Y
Dr. Saima Gulzar, Faiqa Khan	Construction Techniques and Material used in Subcontinent during British Era: A Case Study of Shikarpur Sindh	SDG 11: Sustainable Cities and Communities	Y
Tayaba Tanoli Khan, Dr. Omer Shujat Bhatti	From Current Deficiency to Design Intervention: Developing Psychiatric Hospital Architectural Design for Sustainable Holistic Mental Healthcare in Pakistan	SGD 3 - Good Health & Well Being	Y
Dr. Omer Shujat Bhatti	Conservation Plan and Architectural Documentation of Jani Khan's Tomb	SDG 11: Sustainable Cities and Communities	Y
Faiqa Khan, Dr. Omer Shujat Bhatti, Saad Mujahid, Rumana Khan	Exploring Architectural Ornamentation of Mughal Era Buildings of Lahore in the Era of Climate Change Challenges	SDG 11: Sustainable Cities and Communities	Y

Publications

Author Name	Title of Publication	Relevant SDG	Category
Dr. Omer Shujat Bhatti, Saad Mujahid	Regional Progression Gardens of Lahore in Context of Design & Open Spaces with Historical Timeline : Pre and Post Partition.	SDG 11: Sustainable Cities and Communities	Y
Faiqa Khan, Dr. Omer Shujat Bhatti, Saad Mujahid	Sustainable Building Envelopes: A Solution for Energy Crisis in Buildings Pakistan.	SDG 11: Sustainable Cities and Communities	Y
Dr. Omer Shujat Bhatti	Integrating Remote Sensing and Geographical Information Systems for Urban Flash Flood Susceptibility Mapping in Rawalpindi and Islamabad, Pakistan.	SDG 13: Climate Action, SDG 11: Sustainable Cities and Communities	W
Dr. Omer Shujat Bhatti	Optimizing Green Design: Evaluating Environmental Satisfaction of End Users in Bhimber's DHQ Outpatient Department for Sustainable Future Usage & Optimum Functionality.	SGD 3 - Good Health & Well Being	Y

Publications

Author Name	Title of Publication	Relevant SDG	Category
Dr. Omer Shujat Bhatti, Saad Mujahid	Therapeutic Transformation through Healing Environment. Evaluation of Post Surgical Facilities Optimization in Selected Tertiary Healthcare Facilities in Post Covid-19 Kpk, Pakistan.	SGD 3 - Good Health & Well Being	Y
Dr. Omer Shujat Bhatti	Optimizing Urban Cooling: A Comparative Analysis of Green Infrastructure in Peshawar.	SDG 11: Sustainable Cities and Communities	Y
Dr. Omer Shujat Bhatti	Transformation of Passive Design Elements for Achieving Thermal Comfort in Residential Buildings of Mansehra City, Pakistan from 1990 to 2019	SDG 13: Climate Action, SDG 11: Sustainable Cities and Communities	Y
Dr. Omer Shujat Bhatti, Saad Mujahid	Unveiling Climate Consciousness: Assessing Perceptions based on Social Media and Mass Communication Strategies among Balochistan University Students.	SDG 11: Sustainable Cities and Communities	Y

Publications

Author Name	Title of Publication	Relevant SDG	Category
Dr. Omer Shujat Bhatti	Unveiling the potential of Epidemic-Resilient Architecture through cultural integration & responsiveness for developing countries: A Virtual Reality Exploration in Pakistan with focus on enduser participation in healthcare facilities sustainability.	SGD 3 - Good Health & Well Being	X
Dr. Omer Shujat Bhatti	Turning Threats into Opportunities: Revamping the Gaps in Hospital Waste Management Through Documentation, Awareness, and Sensitization for Public	SGD 3 - Good Health & Well Being, SDG 13: Climate Action	Y
Dr. Omer Shujat Bhatti	Crafting Environmental Prioritization for End Users: Revamping the Thermal Comfort at Shifa Gyne Hospital, Rawalpindi.	SGD 3 - Good Health & Well Being	Y
Dr. Omer Shujat Bhatti	Assessing the Ignored Potential: Employing and Assessing Art Design Installations to Revitalize Islamabad's Urban Open Spaces.	SDG 11: Sustainable Cities and Communities	Y

Publications

Author Name	Title of Publication	Relevant SDG	Category
Saira Naeem	Geo-sustainable Practices in Urban Agriculture: A Study of Sustainable Land Use and Natural Resource Conservation at Household Level	SDG 11: Sustainable Cities and Communities	Y
Madiha Ghafoor, Saira Naeem	Analytical Study of Inclusivity in Design of University Campuses in Lahore	SGD 3 - Good Health & Well Being, SDG 11: Sustainable Cities and Communities	X
Seemi Aslam, Arsala Hashmi, Saira Naeem	Design Guidelines for Implementation of Daylighting Strategies in Buildings of Pakistan	SDG 11: Sustainable Cities and Communities	Y
Madiha Ghafoor, Saira Naeem	An Inquiry into Universal Design and Accessibility for Ambulatory Disabilities in Commercial Spaces of DHA Neighborhood of Lahore	SDG 11: Sustainable Cities and Communities	Y

Publications

Author Name	Title of Publication	Relevant SDG	Category
Rummana khan Sherwani, Arsala Hashmi, Faiqa Khan	A Study of Implementation and Success of Building Bye-Laws in Lahore Corresponding Author	SDG 13: Climate Action, SDG 15: Life on land	Y
Arsala Hashmi	Green Spaces in Urban Environments: Enhancing Children's Health and Cognitive Development	SGD 3 - Good Health & Well Being	X
Rummana Khan Sherwani, Seemin Aslam	Traditional Courtyard Planning for Sustainable Architecture Solutions.	SDG 11: Sustainable Cities and Communities	Y
Hira Binte Iftikhar, Aleena Sohail, Faiqa Khan	Effects of Commercialization on Microclimate of Lahore: Contextual Investigation of Karim Block, Allama Iqbal Town, Lahore.	SDG 13: Climate Action, SDG 15: Life on land	Y

Publications

Author Name	Title of Publication	Relevant SDG	Category
Amna Ali	Assessing smog risk perception in Lahore metropolitan: A survey-based analysis	SDG 13: Climate Action, SDG 15: Life on land	W
Faiqa Khan	Urban Morphology: A thorough Comparison of Modernist and Postmodernist Town Planning, Unveiling Systematic Neglect of Social and Human Factors	SDG 11: Sustainable Cities and Communities	Y
Faiqa khan, Ahmed Nadeem, Syed Hassan Jafri	A Socio-Economic and Environmental Interpretation of Barkat Market Lahore through Urban Acupuncture	SDG 11: Sustainable Cities and Communities	Y
Faiqa Khan	Building Peace in Swat Valley: A Qualitative Study of Multi-Stakeholder Involvement in Sustaining Peace	SDG 11: Sustainable Cities and Communities	Y

Publications

Author Name	Title of Publication	Relevant SDG	Category
Rummana Khan Sherwani, Faiqa Khan	Comparing Carbon Emission of Planned and Unplanned Areas of Lahore	SDG 11: Sustainable Cities and Communities	X
Faiqa Khan, Saad Mujahid	Redefining Urban Public Square as Piazza through Metamorphosis in Architecture	SDG 11: Sustainable Cities and Communities	X
Madiha Ghafoor	Terrorism and the Urban Environment of Lahore	SDG 16: Peace, Justice & Strong Institutions	Y
Faiqa Khilat	Origin and Semantics of Mihrab in Islamic Funerary Architecture	SDG 16: Peace, Justice & Strong Institutions	Y

Publications

Author Name	Title of Publication	Relevant SDG	Category
Faiqa Khilat, Beenish Mujahid, Farah Jamil	Assessing the Effectiveness of Bloom's Taxonomy in Architectural Design Studios: A Study on Implementing Outcome-Based Education in Pakistan	SDG 4: Quality Education	Y
Abdul Mahad Kamal, Muhammad Ilyas Malik, Farah Jamil , Seemin Aslam	Creating a Sense of Place: A Proposal for Shopping Street of MM Alam Road, Lahore, Pakistan	SDG 11: Sustainable Cities and Communities	Y
Seemin Aslam	Simulated and measured versus user's satisfaction based daylighting evaluations, and Conformity Rectifications: A Case of Academic building in Lahore	SDG 11: Sustainable Cities and Communities	Y

Publications

Author Name	Title of Publication	Relevant SDG	Category
Omer Shujat Bhatti, Non Umt	REFORM PRIMARY HEALTHCARE CRITICAL ENVIRONMENTAL NEEDS: AN EVALUATION OF BASIC HEALTH UNITS IN BARKHAN, BALOCHISTAN.	SGD 3 - Good Health & Well Being	X
Omer Shujat Bhatti, Zakra Ahmed	INTERACTIVE SPATIAL EVALUATION FOR ENVIRONMENTAL ENHANCEMENT: CROSS COMPARISON OF SELECTED OLD AGE HOMES FOR SUSTAINABLE USAGE	SDG 11: Sustainable Cities and Communities	X
Tayaba Tanoli Khan, Omer Shujat Bhatti	FROM CURRENT DEFICIENCY TO DESIGN INTERVENTION: DEVELOPING PSYCHIATRIC HOSPITAL ARCHITECTURAL DESIGN FOR SUSTAINABLE HOLISTIC MENTAL HEALTHCARE IN PAKISTAN.	SGD 3 - Good Health & Well Being	Y

Publications

Author Name	Title of Publication	Relevant SDG	Category
Non-UMT, Omer Shujat Bhatti	Why BIM not standardized by LDA, for Submission documentation? A review.	SDG 9 - Industry, Innovation & Infrastructure	Y
Non- Umt, Omer Shujat Bhatti	Evaluation Of LEED Certification Potential For Built Environment Pedagogy At Undergraduate Level In Pakistan. Case For Architecture & Design Domains.	SDG 11: Sustainable Cities and Communities	Y
Non-UMT, Omer Shujat Bhatti	Towards Sustainable Villa Architecture Design: A Case Study Of Selected Areas In Kuwait's Mishrif Region	SDG 13: Climate Action, SDG 15: Life on land	Y

Publications

Author Name	Title of Publication	Relevant SDG	Category
Non-UMT, Omer Shujat Bhatti	Navigating the Dual Crisis: High-Performance Housing as a Solution for Climate and Socio-Economic Challenges in Multan, Pakistan	SDG 13: Climate Action, SDG 15: Life on land	Y
Non- Umt, Omer Shujat Bhatti	Bridging Climate Awareness and Architecture: The Impact of Climate Change Perceptions on KPK's Architectural Practices	SDG 13: Climate Action, SDG 11: Sustainable Cities and Communities	Y
Non- Umt, Omer Shujat Bhatti	Architecture Transformation Of Slums: A Case Study Of Slum Bela Korona Nowshera Region In Khyber Pakhtunkhwa.	SDG 11: Sustainable Cities and Communities	Y

Publications

Author Name	Title of Publication	Relevant SDG	Category
Non-UMT, Omer Shujat Bhatti	Designing resilience: Reconstruction of flood affected Areas in Sindh Pakistan: a case of rotary smart villages	SDG 13: Climate Action, SDG 15: Life on land	Y
Non-UMT, Omer Shujat Bhatti	Analysis of Socio-Economic Conditions of Working Women and the Role of Built Environment to Enhance Quality of Life in Islamabad.	SDG 5 - Gender Equality	Y
Non-UMT, Omer Shujat Bhatti, Saad Mujahid	Regional Progression Gardens of Lahore in Context of Design & Open Spaces with Historical Timeline : Pre and Post Partition	SDG 11: Sustainable Cities and Communities	Y
Zakra Ahmad, Omer Shujat Bhatti	Unlocking the Metaverse Potential: Evaluation of Public and Private Higher Educational Institutions in Pakistan on adoption to Futuristic Technologies.	SDG 4: Quality Education	Y

Publications

Author Name	Title of Publication	Relevant SDG	Category
Faiqa Khilat, Beenish Mujahid, Farah Jamil	Assessing the Effectiveness of Bloom's Taxonomy in Architectural Design Studios: A Study on Implementing Outcome-Based Education in Pakistan	SDG 4: Quality Education	Y
Fatima tuz Zahra, Dr. Fariha Tariq, Farah Jamil	A Study on Climate Resilient Housing in Pakistan; Identifying Critical Indicators for Sustainable Development.	SDG 11: Sustainable Cities and Communities	W
Fatima tuz Zahra, Dr. Fariha Tariq.	Developing Climate-Resilient and Sustainable Housing in Pakistan: Challenges and Opportunities.	SDG 11: Sustainable Cities and Communities	Y

Research Publications

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Papers / Citations	2021	2022	2023	2024	Total
Scopus Recognized Journal Papers per Faculty (total / no. of faculty members)	0.32	0.09	0.23	0.38	0.64
Journal Papers per Faculty (total / no. of faculty members)	0.73	0.59	0.68	1.63	2.00
Citations per Faculty (total citations / no. of faculty members)	7.14	8.18	10.86	34.87	26.18

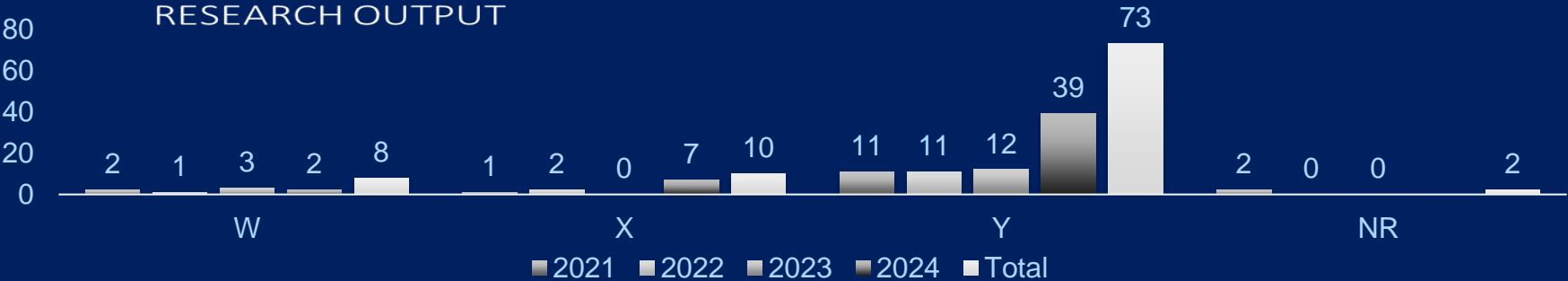
Research Publications



Research Output

Publications	2021	2022	2023	2024	Total
W	2	1	3	2	8
X	1	2	-	7	10
Y	11	11	12	39	73
NR	2	-	-		2
Conference	2	1	5	-	8
Total	18	15	20	48	101
Citations	157	180	239	837	1413

RESEARCH OUTPUT



M.Arch Students Research

M.Arch Students Research

Supervisor	Student	Research Project Title	Related SDG
Dr. Saima Gulzar	Muhammad Ali Ahsan	“Bioclimatic design strategies” - Climate responsive design, guidelines for practitioners	SDG 11: Sustainable Cities and Communities
Ar. Saad Mujahid	Rafia Gulzar	Reimagining Sheikhpura’s public realm: strategic landscape intervention plan for enhanced urban vitality	SDG 11: Sustainable Cities and Communities
Engr. Beenish Mujahid	Amna Ashraf	Impact of daylight in classrooms of educational facilities-Lahore	SDG 3 - Good Health & Well Being
Ar. Saad Mujahid	Khadija Shafaqat	Beyond bricks: Re-imagining Lahore zoo through Innovative Landscaping and urbanism strategies	SDG 10 - Reduced Inequalities

M.Arch Students Research

Supervisor	Student	Research Project Title	Related SDG
Dr. Danyal Ahmed	Amna Jabbar	How Smart are the Smart Homes of Lahore? An inquiry into the Smart Characteristics of Smart Homes of Lahore	SDG 11: Sustainable Cities and Communities
Ar. Saad Mujahid	Farhana Naz	Analysis of selected neighborhood parks for user's well-being in Lahore.	SDG 3 - Good Health & Well Being
Dr. Saima Gulzar	Amna Waheed Butt	Architectural interventions through urban regeneration process for Amdabad temples in the vicinity of Thokar Niaz Baig	SDG 11: Sustainable Cities and Communities
Dr. Saima Gulzar	Sijal Ejaz	Establishing the significance of Barhmanabad baoli for heritage conservation	SDG 11: Sustainable Cities and Communities

M.Arch Students Research

Supervisor	Student	Research Project Title	Related SDG
Engr. Beenish Mujahid	Saffa Khan	Sustainable practices in building design; unveiling the potential of energy efficient strategies	SDG 11: Sustainable Cities and Communities
Dr. Saima Gulzar	Rameesha Khan	Transforming D Ground: A comprehensive Approach to Urban regeneration in Faisalabad's Commercial Hub	SDG 11: Sustainable Cities and Communities
Engr. Beenish Mujahid	Abdul Moez	Pedestrianization of Kohinoor Market, Faisalabad: Enhancing Public Spaces through Architectural Interventions	SDG 13: Climate Action, SDG 15: Life on land
Ilyas Malik	Asra Shakeel	How Organic and Inorganic Street Patterns Impact on Lifestyle?	SDG 15: Life on land

M.Arch Students Research

Supervisor	Student	Research Project Title	Related SDG
Dr. Fariha Tariq	Zakaria Abdirahman Ali	Affordable Housing in Africa, Bridging the Gap Between Design Innovation and Socio-Economic Realities	SDG 13: Climate Action, SDG 15: Life on land
Dr. Saima Gulzar	Sundus Abid	Healing Architecture for Therapeutic and Rehabilitation of Schizophrenia: A Case Study of Design Strategies for Mental Health Facilities	SDG 3 - Good Health & Well Being
Ar. Faiqa Khilat	Javeria Jalil	Analysis of Sense of Place in Architecture: A Case Study of Lower Mall, Lahore.	SDG 11: Sustainable Cities and Communities
Ar. Faiqa Khilat	Asma Aslam	Transformation of Residential Architecture of Lahore by 2050	SDG 11: Sustainable Cities and Communities

PhD Students Research

PhD Students Research

Supervisor	Student	Research Project Title	Related SDG
Dr. Fariha Tariq	Fatima Tuz Zahra	Analysis of Climate Resilient Housing Strategies through Post-Occupancy Evaluation; Policy implications for Sustainable Development	SDG 11: Sustainable Cities and Communities
Dr. Fariha Tariq	Samirah Pervaiz	Sustainable Impact of Urban Green Spaces along Transportation Corridors	SDG 11: Sustainable Cities and Communities
Dr. Fariha Tariq	Rida Zahra	Envisioning the Future of Healthcare Architectural Transformation in Post Pandemic Pakistan.	SDG 3 - Good Health & Well Being
Dr. Fariha Tariq	Sobia Razzak	City Identity Crisis: Exploring Cultural shifts in Architecture of Pakistan, A case of Lahore.	SDG 11: Sustainable Cities and Communities

PhD Students Research

Supervisor	Student	Research Project Title	Related SDG
Dr. Saima Gulzar	Fatima Nasir Alvi	Analysing the Transforming Concept of Enclosed Open Space in the Residential Architecture of Lahore, Pakistan.	SDG 11: Sustainable Cities and Communities, SDG 15: Life on land
Dr. Saima Gulzar	Mir Wali Shah	Disaster Risk strategies for Buddhist Built Heritage at District Swat and Mardan Division in Province of Khyber Pakhthunkhwa Pakistan.	SDG 11: Sustainable Cities and Communities
Dr. Saima Gulzar	Ayaz Mahmood	A study for Architectural Regeneration of Historical Bazars of Sultanate Period in the Settlements of Southern Punjab, Pakistan.	SDG 11: Sustainable Cities and Communities
Dr. Saima Gulzar	Bazla Manzoor	Development of Matrix for Estimating the Contribution of Urban Parks in Climate Change Adaptation: A Case Study of Punjab, Pakistan.	SDG 11: Sustainable Cities and Communities