



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
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
Dr. Farrukh Baig, Dr.Fariha Tariq	Adoption of Electric Motorcycles in Pakistan: A Technology Acceptance Model Perspective.	SDG 11: Sustainable Cities and Communities
Samirah Pervaiz, Dr. Fariha Tariq	Emerging Patterns in Roadside Landscape: A Case Study of Lahore Ring Road.	SDG 11: Sustainable Cities and Communities
Dr. Saima Gulzar	Practices contributing to building sustainability: Investigating opinions of architecture students using partial least squares structural equation modeling	SDG 4: Quality Education

Publications

Author Name	Title of Publication	Relevant SDG
Bazla Manzoor, Dr. Saima Gulzar Faiqa Khan	A Study of Coronation Library Faisalabad-Focusing on Aesthetics	SDG 11: Sustainable Cities and Communities
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
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
Dr. Omer Shujat Bhatti	Conservation Plan and Architectural Documentation of Jani Khan's Tomb	SDG 11: Sustainable Cities and Communities
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

Publications

Author Name	Title of Publication	Relevant SDG
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
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
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
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

Publications

Author Name	Title of Publication	Relevant SDG
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
Dr. Omer Shujat Bhatti	Optimizing Urban Cooling: A Comparative Analysis of Green Infrastructure in Peshawar.	SDG 11: Sustainable Cities and Communities
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
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

Publications

Author Name	Title of Publication	Relevant SDG
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
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
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
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

Publications

Author Name	Title of Publication	Relevant SDG
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
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
Seemi Aslam, Arsala Hashmi, Saira Naeem	Design Guidelines for Implementation of Daylighting Strategies in Buildings of Pakistan	SDG 11: Sustainable Cities and Communities
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

Publications

Author Name	Title of Publication	Relevant SDG
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
Arsala Hashmi	Green Spaces in Urban Environments: Enhancing Children's Health and Cognitive Development	SGD 3 - Good Health & Well Being
Rummana Khan Sherwani, Seemin Aslam	Traditional Courtyard Planning for Sustainable Architecture Solutions.	SDG 11: Sustainable Cities and Communities
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

Publications

Author Name	Title of Publication	Relevant SDG
Amna Ali	Assessing smog risk perception in Lahore metropolitan: A survey-based analysis	SDG 13: Climate Action, SDG 15: Life on land
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
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
Faiqa Khan	Building Peace in Swat Valley: A Qualitative Study of Multi-Stakeholder Involvement in Sustaining Peace	SDG 11: Sustainable Cities and Communities

Publications

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

Publications

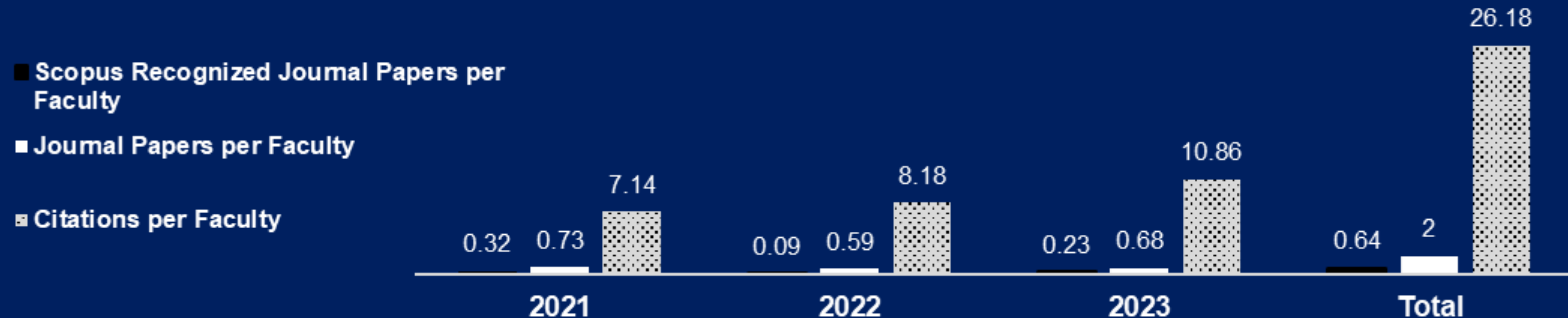
Author Name	Title of Publication	Relevant SDG
Faiqa Khilat, Beenish Mujahid, Farah Jamil	Assessing the Effectiveness of Bloom's Taxonomy in Architectural Design Studios: A Study on Implementing Outcome-Based Education in Pakistan	SDG 4: Quality Education
Abdul Mahad Kamal, Muhammad Ilyas Malik, Farah 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
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

Research Publications

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

Research Publications



Research Output

Publications	2021	2022	2023	Total
W	2	1	3	6
X	1	2	-	3
Y	11	11	12	34
NR	2	-	-	2
Conference	2	1	5	8
Total	18	15	20	53
Citations	157	180	239	577

Research Output

