



International Journal of Architecture & Planning Volume 12, Issue 1, June 2024 DOI: 10.15320 / E-ISSN: 2147-9380

DOI: 10.15520 / E-155N: 2147-9560 Online: http://iconarp.ktun.edu.tr

Owner

Mehmet Çağlar Meşhur

KTUN, Dean of Faculty of Architecture and Design, TR

Editor-in-Chief

Selçuk Sayın

KTUN, Department of Architecture, TR

Co-Editors

Ceyhun Şekerci

KTUN, Department of Interior Architecture, TR

Cansu Korkmaz

KTUN, Department of Urban and Regional Planning, TR

Editorial Office

Yelda Korkmaz Aldemir

KTUN, Department of Architecture, TR

Kübra Karkın

KTUN, Department of Urban and Regional Planning, TR

Ceyhan Tazefidan

KTUN, Department of Architecture, TR

Ayşe Seda Çalışkan

KTUN, Department of Interior Architecture, TR

Nurcihan Şengül Erdoğan

KTUN, Department of Architecture, TR

Gizem Derinci

KTUN, Department of Urban and Regional Planning, TR

Vesile Simsekoğlu

KTUN, Department of Urban and Regional Planning, TR



International Editorial Board

Pieter De Wilde University of Strathclyde, United Kingdom

Fernando Diaz Orueta University of La Rioja, Spain

Andrew FurmanToronto Metropolitan University, CanadaRachel GrangerDe Montfort University, United KingdomKwanMyung KimUlsan National Institute of Science and

Technology, South Korea

Davide Ponzini Politecnico di Milano, Italy

Agatino RizzoLulea University of Technology, SwedenSevil SarıyıldızDelft University of Technology, Netherlands

Lionella Scazzosi Politecnico di Milano, Italy

Ewa Stachura Cracow University of Technology, Poland

Grazia Tucci University of Florence, Italy

Joshua Zeunert The University of New South Wales (UNSW),

Australia

Advisory Board

Havva Alkan Bala Çukurova University, Turkey

Ali Asasoğlu Karadeniz Technical University, Turkey

Gül Asatekin Bilgi University, Turkey

Burak AsıliskenderAbdullah Gül University, TurkeyElif Özlem AydınGebze Technical University, TurkeyTüzin BaycanIstanbul Technical University, TurkeyAyşen Ciravoğlu DemirdizenYıldız Technical University, Turkey

Nur Çağlar TOBB University, Turkey Gülser Çelebi Çankaya University, Turkey

Zeynep Enlil Yıldız Technical University, Turkey

Nevnihal ErdoğanKocaeli University, TurkeyNuran Zeren GülersoyIşık University, Turkey

Nuran Kara Pilehvarian Yıldız Technical University, Turkey

Aykut Karaman Altınbaş University, Turkey

Nilgün Kuloğlu Karadeniz Technical University, Turkey

Mehmet OcakçıIstanbul Arel University, TurkeyŞengül Öymen GürBeykent University, Turkey

Z. Hale Tokay Mimar Sinan Fine Arts University, Turkey

Hülya Turgut Özyeğin University, Turkey

Osman Tutal Eskişehir Technical University, Turkey
Uğur Tuztaşı Cumhuriyet University, Turkey
Şevkiye Şence Türk Istanbul Technical University, Turkey

Gediz Urak Çankaya University, Turkey Alper Ünlü Özyeğin University, Turkey



ICONARP INTERNATIONAL JOURNAL OF ARCHITECTURE & PLANNING

ICONARP as a free academic e-journal considers original research articles and viewpoints in peer-reviewed.

Architecture, Planning and Design are strongly affected by other disciplines such as fine arts, philosophy, engineering, geography, economics, politics, sociology, history, psychology, geology, information technology, ecology, law, security and management. However, there are not enough academic journals which specifically focus on the connections of architecture, planning and design with other fields of science. ICONARP aims to fill that gap. Our scope is to provide a suitable space for theoretical, methodological and empirical papers, which use global and local perspectives together, in architectural and urban studies.

ICONARP aims to be a reputable platform for the studies of Architecture, Planning and Design. ICONARP's objectives are:

- To question global and local interactions in the field of Architecture, Planning and Design,
- To discover the relationship between Architecture, Planning and Design,
- To increase the contribution of Architecture, Planning and Design to social and behavioral sciences,
- To discover the relationship of Architecture, Planning and Design with other fields of science that are affected and affect,
- To develop theoretical and methodological foundations of Architecture, Planning and Design,
- To discuss the role of architects, planners and designers today and in the future,
- To compare the differences between architecture, planning and design research, practices and education in different countries,
- To bring a scientific view of current issues and discussions in field of Architecture, Planning and Design,
- To discover innovative methods and techniques in the field of Architecture, Planning and Design.



ABSTRACTING AND INDEXING

ICONARP is an Open Access Journal which presents its content freely for online researches with the aim of contributing to the global exchange of knowledge. ICONARP believes that providing free online access ensures a wider spectrum of research base and reading rate to develop the related literature.

"The abstracting, database and indexing services that ICONARP is included are:
Emerging Sources Citation Index (ESCI) (Web of Science ESCI), DOAJ, Tubitak Ulakbim TR
Dizin, Iconda Bibliographic (The International Construction Database), Avery Index to
Architectural Periodicals, Erihplus, EbscoHost, Ulrichsweb, NSD Norwegian Register for
Scientific Journals, OpenAIRE, OCLC WorldCat, BASE (Bielefeld Academic Search Engine),
Scilit, ROAD (Directory of Open Access)"

Cover Photo: Sony Center, Berlin, Germany (2014), Cover Owner: Selçuk Sayın, Cover Design: Ceyhan Tazefidan.

ACKNOWLEDGEMENT

We would like to thank the former editors who contributed to the publication of this issue; Mehmet Topçu, Murat Oral and Hale Öncel.

CONTENTS

Articles	Pages
Caner Yetis, Merve Tuna Kayılı Improving Indoor Air Quality with Natural Ventilation Methods: A Simulation Study	1-23
Fazilet Tuğrul Okbaz, Simay Aydinç, Ferhat Pakdamar Utilization of Intelligent Facade Technologies in High-rise Office Buildings: A Comparative Study	24-45
Hande Eyüboğlu, Serap Faiz Büyükçam Tracing the Evolution of Sustainable Architecture: An Analysis Spanning Five Decades	46-74
Beste Şimşek, Esin Kömez Dağlıoğlı, Pelin Yoncacı Arslan The Site Narrative: Mimarlik 1990-2020	75-94
Vurucular Kesimci, Ayşen Ciravoğlu The Transfer of Spatial Memory with Collective Practices Among the Generations of Lausanne Exchangees in Bursa	95-124
Tolga Cürgül, Şengül Yalçınkaya The Place of the Concept of Value in Architectural Space in User Perception: Cafe Example	125-143
Begüm Aköz Çevrimli, Ceyhan Tazefidan, Hande Büşra Geyikli The Role of Architecture Documentaries in The Adoption of Contemporary Design Approaches in Mosque Architecture: A Research on Architecture Students	144-161
Begüm Demiroğlu İzgi Layering Analysis of Typomorphology Dynamics in Rural Settlements Using the AHP Method	162-188
Seda Saylan, Tan Kâmil Gürer Typomorphology: A Methodological Approach to Context Analysis in Architectural Design Education	189-210
Mahya Ghouchani, Horreh Todeh Kharman Optimizing Passive Strategies for Energy Demand Reduction in Cold Climate Residential Buildings: A Case Study in Tabriz, Iran	211-233
Hande Apak, Gökçe Tuna Taygun A Conceptual Approach to Abandoned Industrial Sites within the Scope of Brownfield in the Context of Regenerative Design	234-254
Gizem Özer Baş, İpek Demir A Comparative Analysis of the Change of Kula Traditional Turkish Housing Architecture in The Last 50 Years	255-286
Sibel Özden Omuzlu, Bülent Onur Turan Utilizing Orthophoto Through Adaptive Re-Use Courses in Architecture Education	287-315



Serap Sevgi Cultural Heritage Across Borders: A Comprehensive Examination of the Restoration of the St. Nicholas Memorial Museum (2021-2023)	316-338
Sevilay Akalp, İdil Ayçam Evaluation of Urban Renewal Projects in the Historical Texture Within the Framework of Passive Design Strategies; A Case of Diyarbakır-Suriçi Alipaşa-Lalebey Neighborhood	339-367
Gamze Öztürk, Ayşe Şentürer A Strategy for Spatializing Degrowth at Home: Commoning of Housing	368-390
Hatice Gül Önder, Göktuğ Şahin, Aslı Özdarıcı Ok The Impact of Covid-19 on Real Estate Demand Based on Green Spaces: Case Study of Türkiye (Ankara)	391-416
Halil Burak Akdeniz, Sinan Levend, Şaban İnam Determination of Drinking Water Basin Protection Zones: Case of Beyşehir Basin, Türkiye	417-443
Umut Erdem, Sibel Ecemiş Kılıç Spatial Trends of Capital Concentration in Türkiye: An Analysis of the Top 1000 Industrial Firms	444-462
Hüdai Sırrı Şenalp, Can Şakir Binan Transformation of Transitional Elements with Muqarnas from Early Ottoman Period to Classical Ottoman Period	463-503