JOURNAL OF DESIGN FOR RESILIENCE
IN ARCHITECTURE & PLANNING

E-ISSN: 2757-6329

Editorial

Mehmet Topçu (Editor in-Chief)

JOURNAL of DESIGN for RESILIENCE in ARCHITECTURE and PLANNING (DRArch) has published Volume 2 Issue 2, which includes up-to-date research problems with qualified articles. As you have already known, DRArch is an open-access journal which means that all content is freely available without charge to users or institutions. Users can read, download, copy, distribute, print, search, or link to the full texts of the articles, or use them for any other lawful purpose, without asking prior permission from the publisher or the author. This is in accordance with the BOAI definition of open access. All publications in this journal are licensed by the Creative Commons Attribution 4.0 International License. Despite a very short period, DRArch journal has been indexed in the following abstracting, databases & indexing; EAAE (Architectural periodicals database), BASE (Bielefeld academic search engine), Dimensions (A comprehensive database), Google Scholar (Academic search engine), IdealOnline (Academic search engine), Microsoft Academic (Academic search engine), Open Archives (OAI-PMH registered data providers), PKP index (Public Knowledge Project index), Scilit ("scientific" and "literature" academic search engine), Worldcat-OCLC (The world's largest library catalog), ICI (Index Copernicus world of journals), OpenAIRE (Open Access Infrastructure for Research in Europe)

As the DRArch team, we have again good news in this issue. DRArch journal started to be indexed in the following new abstracting, databases & indexing as;

- CiteFactor– Directory Indexing of International Research Journals
- Core- Collection of open access research papers
- Sherpa Romeo- Presents journal open access policies
- Asos Indeks- A comprehensive database
- Norwegian Register- The register for scientific journals, series, and publishers

In the Volume 2 Issue 2, there are studies under three different groups, namely the theory of resilience, sample area and education. In keeping with our tradition, this issue also includes articles from different geographies and disciplines. We are honored to have published qualified articles in the fields of urban design, architecture, and education.

The visual on the cover is a reference to the perfection in details providing durability. The cover of this issue is a detail from the Greek Orphanage in the Princess Island in İstanbul, Europe's first and World's second-biggest wooden structure designed by architect Alexandre Vallaury and constructed in the late 19th Century. The photo was taken by architect and photographer Sena Özfiliz in 2006.

Volume 2 Issue 2 begins with the study by Ali A. Alraouf which entitled "Towards a holistic interpretation of resilient cities' concept: The case of Doha, Qatar". The study intends to identify the resilience and resilient cities in the current architecture and planning discourse. This study calls for a more holistic understanding of resilience and its impact on the way cities are designed, planned, and developed. Using the case of Doha, the paper illustrates a new conceptual understanding of cities' resilience providing a worthy case of resilience that allows the city to successfully cope with the consequences of all the major shocks, stress, and unforeseen challenges.

Another interesting conceptual paper is titled "Re-viewing the role of culture in architecture for sustainable development" comes from Neslihan Dostoğlu. The author explains the context of urban identity, spirit, cultural and natural heritage, effective and sustainable urban structure as the architectural approaches adopted after Modern Architecture, within the framework of economic, technological, and socio-cultural developments in the world.

The article "Typo-morphological assessment of Ludlow and Famagusta old town" by Nevter Zafer Cömert and Şebnem Hoşkara identifies the architectural and planning dimensions of urban morphology for Ludlow and Famagusta, which carry similar morphological characteristics on the planning level and different typological characteristics on the architectural level. The content of this study includes urban morphology based on the two pioneering morphological approaches, and then it will guide future interventions, design, and planning policies.

E-ISSN: 2757-6329

The fascinating piece of work comes from Damla Özinal and Onur Erman with the article titled “Housing flexibility in terms of changes, opportunities, and sustainability of goals and values”. This study, which focuses on housing flexibility, aims to determine the demands of the users regarding the flexible use of housing and to understand the internal dynamics of the process that determine the housing flexibility in this context. Within the scope of the study, it is thought that the housing flexibility is formed by evaluating the changing demands of the users within the framework of the sustainability of the goals and values and realizing them according to the existing capabilities.

Sevkiye Sence Turk is the author of the fifth article titled “Three key issues of urban renewal: Approaches for Turkey”. This study provides insight into policies that can help support urban renewal in the Turkish case of 'land assembly', 'recovery of urban infrastructure' and 'social sustainability' concepts, which are part of urban regeneration processes.

The authors, Javad Eiraji and Seyed Ahmad Reza Yekani Fard, aim to explain the control of the transition from tradition to modernity with culture and architecture, with Iranian architecture of the First Pahlavi Period. The authors mention a quick review on Iran during the first Pahlavi era and its contemporary social and political history and tradition and modernity in its architecture and they also analyze the architecture of two famous foreign architects, Nikolai Markov and Andre Godard who were invited by the government to bring reformation and modernization.

The last group of articles in Volume 2 Issue 2 of DRArch is about educational theories and practices. We hope that the experimental works of three different architectural schools with a contemporary understanding of education will be interesting for DRArch readers.

The first article of this group was prepared by İlkay Dinç Uyaroğlu with the title “Resilience in interior architecture education: Distance universal design learning in the COVID-19 pandemic”. This article is about the COVID-19 epidemic and urgent adaptation to the distance education process. This study is about the teaching and learning experiences of Universal Design (UD) course conducted in the Department of Interior Architecture and Environmental Design, Atılım University, of the experiences, limitations and potentials experienced in the distance education process.

Nilgün Kuloğlu and Ali Osman Asasoğlu discussed a unique subject in the context of design ideology and education in their article titled “Village institutes as a design approach”. In this study, besides examining the possible intellectual, architectural approach and design method preferences as architectural products in Village Institute buildings, their contributions to architectural project education were revealed through the area where Trabzon / Beşikdüzü Village Institute is located in the 2018-2019 Fall Term in the Department of Architecture at Karadeniz Technical University.

The last article of education part, which is titled “Designing a subway station for your campus: Case of transit architecture elective at AGÜ”, was written by Özgür Öztürk. As of 2019-2020 Fall Semester, Abdullah Gül University Department of Architecture has developed a critical perspective on current prescriptive design methods for transportation buildings and their environments in the elective course called ARCD 110 Transit Architecture. Discussions on the design method, starting from multimodal and micro-mobile transportation possibilities, follow the personal space as a design parameter. These arguments are followed by sustainability from the triple bottom line perspective and the possibilities of different technologies their effect on transportation-related buildings. In this study, a selection of examples from which simulation tools were also tested in order to test the design situations in different conditions are included.

We believe in the strong relationship between the concept of resilience and education, which is necessary when designing the places, cities, and lives of our future. We plan to include studies on education in our next issues. As the editor-in-chief of second issue DRArch, I would like to extend my deepest gratitude to all participants and all our readers for the support they provide to the Journal. And I would like to a special thanks to the referees. We look forward to your comments, contributions, suggestions, and criticisms.

Best regards...

E-ISSN: 2757-6329

Following names that provided valuable contribution as referees of articles in this issue are:

Alper Çabuk (Prof. Dr.), Eskisehir Technical University, Turkey

Ayşen Ciravoğlu (Prof. Dr.), Yıldız Technical University, Turkey

Burak Asiliskender (Prof. Dr.), Abdullah Gül University, Turkey

Derya Yorgancıoğlu (Assist. Prof. Dr.), Özyeğin University, Turkey

Elif Güneş (Assist. Prof. Dr.), Atilim University, Turkey

Erincik Edgü (Prof. Dr.), Maltepe University, Turkey

Fatma Ünsal (Prof. Dr.), Mimar Sinan University of Fine Arts, Turkey

Fehmi Doğan (Prof. Dr.), İzmir Institute of Technology, Turkey

Funda Baş Bütüner (Assoc. Prof. Dr.) Middle East Technical University, Turkey

Gizem Caner (PH.D.), Cyprus International University, N. Cyprus

Gülden Ayalp (Hasan Kalyoncu University, Turkey

Havva Alkan Bala (Prof. Dr.), Çukurova University, Turkey

Işıl Ruhi Sipahioğlu (PH.D.), TOOB ETÜ University of Economics & Technology, Turkey

İlkay Maşat Özdemir (Prof. Dr.), Karadeniz Technical University, Turkey

Kağan Günçe (Prof. Dr.), Eastern Mediterranean University, N. Cyprus

Navid Khaleghimoghaddam (Assist. Prof. Dr.), KGTU, Turkey

Özlem Şenyiğit (Assist. Prof. Dr.), Çukurova University,Turkey

Pelin Pınar Giritlioğlu (Assoc. Prof. Dr.), İstanbul University, Turkey

Semra Arslan Selçuk (Assoc. Prof. Dr.), Gazi University, Turkey

Şengül Öymen Gür (Prof. Dr.), Beykent University, Turkey



Cover photo: Image copyright © Sena Özfiliz, İstanbul, (2006). The image on the left is detail from the Greek Orphanage in the Princess Islands in Istanbul, Europe's first and World's second biggest wooden structure
Cover and logo design: Mojtaba Karimnezhad

E-ISSN: 2757-6329

DRArch's objectives are:

- to question how future building technologies are revolutionizing architectural design, city planning, urban design, landscape design, industrial design, interior design and education,

- to catalyze the processes that lean on interdisciplinary and collaborative design thinking, creating a resilient thinking culture,

- to improve the quality of built environment through encouraging greater sharing of academicians, analysts and specialists to share their experience and answer for issues in various areas, which distributes top-level work,

- to discover role of the designers and design disciplines -architecture, city planning, urban design, landscape design, industrial design, interior design, education and art in creating building and urban resilience,

- to retrofit the existing urban fabric to produce resilience appears and to support making and using technology within the building arts,

- to discuss academic issue about the digital life and its built-up environments, internet of space, digital in architecture, digital data in design, digital fabrication, software development in architecture, photogrammetry software, information technology in architecture, Archi-Walks, virtual design, cyber space, experiences through simulations, 3D technology in design, robotic construction, digital fabrication, parametric design and architecture, Building Information Management (BIM), extraterrestrial architecture, , artificial intelligence (AI) systems, Energy efficiency in buildings, digitization of human, the digitization of the construction, manufacturing, collaborative design, design integration, the accessibility of mobile devices and sensors, augmented reality apps, and GPS, emerging materials, new constructions techniques,

-to express new technology in architecture and planning for parametric urban design, real estate development and design, parametric smart planning (PSP), more human-centered products, sustainable development, sustainable cities, smart cities, vertical cities, urban morphology, urban aesthetics and townscape, urban structure and form, urban transformation, local and regional identity, design control and guidance, property development, practice and implementation.

E-ISSN: 2757-6329

Editorial Team

Editor-in-Chief
Mehmet Topçu *(Assoc. Prof. Dr.), Konya Technical University, Turkey*

Co-Editors
Havva Alkan Bala *(Prof. Dr.), Çukurova University, Turkey*
Ayşe Sema Kubat *(Prof. Dr.), İstanbul Technical University, Turkey*

International Editorial Board
Yasushi Asami *(Prof. Dr.), Tokyo University, Japan*
T. Nur Çağlar *(Prof. Dr.), TOOB ETÜ University of Economics & Technology, Turkey*
Nuran Zeren Gülersoy *(Prof. Dr.), Işık University, Turkey*
Hakan Gürsu *(Assoc. Prof. Dr.), Middle East Technical University, Turkey*
Mattias Kärrholm *(Prof. Dr.), Lund University, Sweden*
Stanislaw Korenik *(Prof. Dr.), Wroclaw Economy University, Poland*
Katarzyna Miszczak *(Assoc. Prof. Dr.), Wroclaw Economy University, Poland*
Akkelies van Nes *(Prof. Dr.), Western Norway University of Applied Sciences, Norway*
Taner Oc *(Prof. Dr.), University College London, UK*
Sevil Sarıyıldız *(Prof. Dr.), Delft University of Technology, NL*
Michael Southworth *(Prof. Dr.), University of California, Berkeley, USA*
Guiseppe Strappa *(Prof. Dr.), Roma University, Italy*

International Advisory Board
Hakan Anay *(Prof. Dr.), Eskişehir Osmangazi University, Turkey*
Kerem Yavuz Arslanlı *(Assoc. Prof. Dr.), İstanbul Technical University, Turkey*
Burak Asiliskender *(Prof. Dr.), Abdullah Gül University, Turkey*
Suzie Attiwill *(Assoc. Prof. Dr.), RMIT University, Australia*
Tüzin Baycan *(Prof. Dr.), İstanbul Technical University, Turkey*
Suha Berberoğlu *(Prof. Dr.), Çukurova University, Turkey*
Alper Çabuk *(Prof. Dr.), Eskisehir Technical University, Turkey*
Olgu Çalışkan *(Assoc. Prof. Dr.) Middle East Technical University, Turkey*
Fehmi Doğan *(Prof. Dr.), İzmir Institute of Technology, Turkey*
Ervin Garip *(Assoc. Prof. Dr.), İstanbul Technical University, Turkey*
Kağan Günçe *(Prof. Dr.), Eastern Mediterranean University, N. Cyprus*
H. Emre Ilgın *(Dr.), Tampere University, Finland*
Yasemin İnce Güney *(Assoc. Prof. Dr.), Balıkesir University, Turkey*
Feray Koca *(Assoc. Prof. Dr.), Mugla Sıtkı Kocaman University, Turkey*
Esra Kurul *(Dr.), Oxford Brookes University, UK*
Ozan Önder Özener *(Assoc. Prof. Dr.), İstanbul Technical University, Turkey*
Maria Rita Pais *(Prof. Dr.), Universidade Lusofana Humanidades e Tecnologias, Portugal*
Nikolas Patsavos *(Assoc. Prof. Dr.), University of Ioannina, Greece*
Ali A. Raouf *(Prof. Dr.), HBK University, Qatar*
Fazilet Duygu Saban *(Prof. Dr.), Çukurova University, Turkey*
Tasleem Shakur *(Dr.), Edge Hill University, UK*
Todor Stojanovski *(Dr.), KTH Royal Institute of Technology, Sweden*
Asuman Türkün *(Prof. Dr.), Yıldız Technical University, Turkey*
Tolga Ünlü *(Prof. Dr.), Çukurova University, Turkey*
Derya Yorgancıoğlu *(Assist. Prof. Dr.), Özyeğin University, Turkey*

Assistant Editor
İrem Kurtuluş, *İstanbul Technical University, Turkey*

Publishing Coordinator
Abdulkadir Saday, *Selcuk University, Turkey*

Graphic Designer
Mojtaba Karimnezhad, *Eastern Mediterranean University, N. Cyprus*

**sorted by last name*

JOURNAL OF DESIGN FOR RESILIENCE
IN ARCHITECTURE & PLANNING

E-ISSN: 2757-6329

Table of Contents

Research Articles	Pages
Editorial and Contents	i-vi
Towards a holistic interpretation of resilient cities' concept: The case of Doha, Qatar Ali A. Alraouf	139-156
Re-viewing the role of culture in architecture for sustainable development Neslihan Dostoğlu	157-169
Typo-morphological assessment of Ludlow and Famagusta Old Town Nevter Zafer Cömert, Şebnem Hoşkara	170-186
Housing flexibility in terms of changes, opportunities, and sustainability of goals and values Damla Özinal, Onur Erman	187-205
Three key issues of urban renewal: Approaches for Turkey Sevkiye Sence Turk	206-221
An evaluation of Iran architecture during first Pahlavi Era: A transition from tradition to modernity Javad Eiraji, Seyed Ahmad Reza Yekani Fard	222-233
Resilience in interior architecture education: Distance universal design learning in the COVID-19 pandemic İlkay Dinç Uyaroğlu	234-249
Village institutes as a design approach Nilgün Kuloğlu, Ali Osman Asasoğlu	250-265
Designing a subway station for your campus: Case of transit architecture elective at AGÜ Özgür Öztürk	266-279