

## **Editorial**

*Mehmet Topçu (Editor in-Chief)*

JOURNAL of DESIGN for RESILIENCE in ARCHITECTURE and PLANNING (DRArch) is a multi-stakeholder independent organization with wide participation from different institutions. We are proud of to publish Volume 3 issue 1 with fresh ideas. The main topic of this issue is to discuss resilient design perspective, participatory design approach, ecological criteria, land value change, cultural landscape and archeological sites spanning from Anatolia to African Saha Desert.

Volume 3 Issue 1 begins with a study titled as “Mersin City-Lab: Co-creative and participatory design approach for a circular neighbourhood” a collaborative effort by seven different scientists. Nida Naycı, Ekim Tan, Hayriye Oya Saf, Mehmet Ali Mazmancı, Hüdaverdi Arslan, Hüdaverdi Arslan, Mehmet Ali Kurt focused on city laboratories in this study. City laboratories or urban living labs provide creative experimental platforms with participation of city actors to discuss urban sustainability issues before implementation of deep and structural urban changes for citizens. The paper starts with introduction of ‘city-gaming’ methodology and continues with discussions on stages of the case-study project through implementation of workshops. The paper concludes with impacts of City Labs approach and city-gaming methodology on decision-making process for real urban problems and urban settings.

The second article is multi-authored, and it is an adaptation of new conceptual approaches to fieldwork just like the first study. “Augmented experiences in archeological sites: Presentation of Alexandria Troas Podium Temple towards visitor experience” has been prepared by Hakan Anay, Ülkü Özten, Merve Ünal, Erhan Öztepe. Augmented Reality (AR) is a rapidly emerging but still quite a young field. This multidisciplinary study involves development and implementation of an AR application of a selected case: “Alexandria Troas Podium Temple,”. AR seems to have its own agenda, coming with unprecedented possibilities still to be appreciated and adopted, which in turn might help us to go beyond the conventional conceptions and modes of conservation of cultural heritage and presentation. Another conceptual approach is vulnerability assessments using the multi-Criteria Decision Making (MCDM) method. Selda Erdoğan and Fatih Terzi paper focuses on vulnerability assessments and presents a multi-criteria decision-making and earthquake-related vulnerability assessment method by using physical and socioeconomic parameters in the Historic Peninsula. The results of the method proposed in this study can be used as a basis for risk reduction studies. Another interesting paper titled as “Investigation of the Footprints of Ecological Criteria in The Historical Minority Mansion in Kayseri Talas” by comes from Zübeyde Özlem Parlak Bıçer. This research deals with the concepts of ecology and sustainability from a different perspective and traces the ecological architecture through a residential building belonging to minorities that can be qualified as a historical cultural heritage and located in the Yukarı Talas locality of Talas district of Kayseri.

The fascinating piece of work comes from Guerrout Chouaib and Bahar Baser Kalyoncuoglu with the article titled “Understanding the cultural landscape value of traditional agrarian landscapes of African Sahara Desert: case of Timimoun, Algeria”. The paper aims to identification of cultural landscapes in the oasis and analyses transformation and change in cultural landscape and traditional green infrastructure elements by relying on a historical analysis of spatial images based on quantitative analysis using ArcGIS.

Somaiyeh Nasrollahzadeh contributed to this issue with the following article; “Comparative analysis of building large-scale projects in developing countries by emphasizing on land value changes: Case study: Tehran- Iran Mall versus Istanbul-Third Airport”. Meanwhile, the Tehran (Iran) and Istanbul (Turkey) cities, due to their location, economic and political conditions, have always been challenged to attract capital. Therefore, in recent decades, they have started to make investment capacities by developing large-scale projects. This study aims to verify two of the most challenging large-scale projects in these two cities.

The term resilience has been examined in terms of ecological, economic, and cultural parameters specific to residential areas by Begüm Demiroğlu İzgi. In the first part of the research called “Resilience of rural settlement morphology dynamics: Example of Kargalı district (Village)”, the identity of the settlements and the resilience factor against change/transformation threats are explained according to the definitions in the literature. In the second part, the dynamics of rural settlement morphology are defined and the effect of rural resistance on the dynamics is presented. In the last part, a stratification analysis is made according to certain year intervals over the Kargalı district (village) of the Polatlı District of Ankara.

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The last article which is entitled “Retrofit suggestions from resilient design perspective in educational buildings lighting systems” is at the building scale. Kasım Çelik has discussed the lighting arrangements of educational buildings. Within the framework of resilient design, certain suggestions have been developed in light of the current lighting standards in effect regarding the processes to be followed before the retrofit works to be performed in the lighting arrangements of the school buildings.

As the DrArch editorial team, our motivation is increasing with the interest of readers. As the editor-in-chief of DRArch, I would like to extend my deepest gratitude the intense interest of researchers and the care of our referees. Enjoy your reading, best regards...

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

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## **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.

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