

## **Personal Information**

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## **International Researcher IDs**

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## **Education Information**

Undergraduate, Istanbul University, Open And Distance Education Faculty, Turkey 2020 - Continues

Doctorate, Eskişehir Technical University, Institute Of Graduate Programs, Turkey 2019 - Continues

Postgraduate, Anadolu University, Fen Bilimleri Enstitüsü, Mimarlık Anabilim Dalı, Turkey 2016 - 2019

Undergraduate, Cankaya University, Faculty Of Architecture, Department Of Architecture, Turkey 2011 - 2016

## **Research Areas**

Artificial Intelligence, Computer Learning and Pattern Recognition, Architectural Aesthetics, Building Design, Architectural Design

## **Academic Titles / Tasks**

Lecturer, Istanbul Gelisim University, ISTANBUL GELISIM VOCATIONAL SCHOOL, INTERIOR DESIGN, 2023 - Continues

Research Assistant, Istanbul Esenyurt University, Faculty Of Engineering-Architecture, Department Of Architecture, 2017 - 2023

## **Published journal articles indexed by SCI, SSCI, and AHCI**

- I. **Use of artificial neural networks in architecture: determining the architectural style of a building with a convolutional neural networks**  
CANTEMİR E., Kandemir O.  
Neural Computing and Applications, vol.36, no.11, pp.6195-6207, 2024 (SCI-Expanded)
- II. **Technological innovation in architecture and engineering education - an investigation on three generations from Turkey**  
Bayhan H. G., Karaca E.  
International Journal of Educational Technology in Higher Education, vol.17, no.1, 2020 (SSCI)

## **Articles Published in Other Journals**

- I. **USER EXPERIENCE DESIGN AND ARCHITECTURE – AN APPLICATION WITH ARDUINO**

CANTEMİR E., KANDEMİR Ö.

Eskişehir Technical University Journal of Science and and Technology A- Applied Sciences and Engineering, 2022  
(Peer-Reviewed Journal)

- II. **Etnik Kümelenmelerin Tarihsel Dönüşümünün Sosyal Sermayeye ve Mekânsal Üretime Yansıması: Yahudi ve Rum Mahalleleri Örneği**

BALDAN C., KARACA E., AKCAKAYA Y.

JOURNAL OF ARCHITECTURAL SCIENCES AND APPLICATIONS, vol.7, pp.160-180, 2022 (Peer-Reviewed Journal)

- III. **Teknoloji ve Hareketli Mekan**

KARACA E., KANDEMİR Ö.

Yapı, no.470, 2021 (Peer-Reviewed Journal)

- IV. **SWOT Analysis of Biomimicry for Sustainable Buildings – A Literature Review of the Importance of Kinetic Architecture Applications in Sustainable Construction Projects**

BAYHAN H. G., KARACA E.

IOP CONFERENCE SERIES: MATERIALS SCIENCE AND ENGINEERING, vol.471, pp.82047, 2019 (Scopus)

## Books & Book Chapters

- I. **SÜRDÜRÜLEBİLİR GELENEKSEL YAPI TASARIMI ÇERÇEVESİNDE KABUKTA KULLANILAN MALZEMENİN ISI PERFORMANSI**

PARSA A. R., KARACA E.

in: TEKSTİLDEN İNŞAATA MALZEME UYGULAMALARI, Şaşmaz Merivan, Editor, İksad Yayınevi, İstanbul, pp.31-54, 2022

- II. **ENDÜSTRİ 4.0'DAN TOPLUM 5.0'A SÜRDÜRÜLEBİLİRLİĞİN EĞİTİME YANSIMASI**

KARACA E., YAMAÇLI R.

in: EĞİTİM & BİLİM 2022 III, Karabatak, Songül, Editor, Efe Akademi Yayınları, İstanbul, pp.25-38, 2022

- III. **Morfogenetik Tasarım Sürecinin Biçime Dönüşmesi**

KARACA E.

in: Kavramdan Biçime Yolculuk, BİLGİÇ Didem ERTEN – PARSA Ali Rıza – ÖZTURAN Özgü, Editor, Efe Akademi, İstanbul, pp.87-96, 2020

## Refereed Congress / Symposium Publications in Proceedings

- I. **Kullanıcı Deneyimi Tasarımı ve Mimarlık-Arduino ile Uygulama**

KARACA E., KANDEMİR Ö.

MSTAS 2022 Mimarlıkta Sayısal Tasarım 16. Ulusal Sempozyumu, Eskişehir, Turkey, 22 June 2022

- II. **READING THE HISTORICAL TRANSFORMATION OF ETHNIC CLUSTERS ON THE PRODUCTION OF PUBLIC SPACE: THE CASE OF JEWISH AND GREEK NEIGHBORHOODS**

BALDAN C., KARACA E., AKCAKAYA Y.

IArcSAS" 1st International Architectural Sciences and Applications Symposium, Isparta, Turkey, 28 October 2021

- III. **THE DESIGN APPROACH CHANGING WITH THE COVID-19 PANDEMIC FROM INTERIOR ARCHITECTURE STUDENTS: CAFE DESIGN EXAMPLE**

KARACA E., SARIYAR A.

"IArcSAS" 1. Uluslararası Mimarlık Bilimleri ve Uygulamaları Sempozyumu, Turkey, 27 October 2021

- IV. **DOĞAL AFET SONRASINDA KULLANILAN GEÇİCİ BARINMA VE KONUT ALANLARI-ANALİZ ÇALIŞMASI**

KARACA E., YAMAÇLI R.

ReseArch 2020, 18 November 2020

- V. **TASARIMDA BİYOLOJİK SÜREÇLERİN MİMARLIK VE SANATA ETKİSİ**

KARACA E., YAMAÇLI R.

ReseArch2020, 18 November 2020

**VI. Technological Innovation in Architecture and Engineering Education - An Investigation on X, Y and Z Generations in Turkey**

BAYHAN H. G., KARACA E.

OTMC2019, Zagreb, Croatia, 4 - 07 September 2019