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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. **Esenyurt Cumhuriyet Meydanının Kalite Açısından Değerlendirilmesi**

CANTEMİR E., İNCEOĞLU M.

10th International EMI Entrepreneurship & Social Sciences Congress, Romania, 10 - 13 September 2024, pp.427-428

II. **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

III. **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

IV. **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

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

KARACA E., YAMAÇLI R.

ReseArch 2020, 18 November 2020

VI. TASARIMDA BİYOLOJİK SÜREÇLERİN MİMARLIK VE SANATA ETKİSİ

KARACA E., YAMAÇLI R.

ReseArch2020, 18 November 2020

VII. 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