

## Res. Asst. GİZEM ÖZEROL ÖZMAN

### Personal Information

**Email:** gizemozerol@gazi.edu.tr

**Web:** <https://avesis.gazi.edu.tr/11417>

### International Researcher IDs

ORCID: 0000-0003-4000-8536

Yoksis Researcher ID: 265622

### Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Turkey 2018 - Continues

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Turkey 2014 - 2018

Undergraduate, Anadolu University, Faculty Of Architecture And Design, Department Of Architecture, Turkey 2009 - 2014

### Dissertations

Postgraduate, Geleneksel Samsun evi örneğinde gerçeğin katmanlaşmasının kolektif belleğe etkisi, Istanbul Technical University, Fen Bilimleri Enstitüsü, 2018

### Academic Titles / Tasks

Research Assistant, Gazi University, Mimarlık Fakültesi, Mimarlık, 2018 - Continues

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

- I. **Image classification on Post-Earthquake damage assessment: A case of the 2023 Kahramanmaraş,earthquake**  
Özman G. Ö., ARSLAN SELÇUK S., ARSLAN A.  
ENGINEERING SCIENCE AND TECHNOLOGY-AN INTERNATIONAL JOURNAL-JESTECH, vol.56, 2024 (SCI-Expanded)
- II. **Transformation of Geometry from 2D to 3D: Revisiting Origami in a Digital Design Course**  
Özman G., Arslan Selçuk S.  
NEXUS NETWORK JOURNAL : ARCHITECTURE AND MATHEMATICS, vol.26, no.1, pp.197-212, 2024 (SCI-Expanded)
- III. **Exploring Interlocking Systems Through the Design of Joint-Based Pop-Up Structures**  
Özman G., Özdemir M., Arslan Selçuk S.  
NEXUS NETWORK JOURNAL, vol.26, pp.213-228, 2024 (SCI-Expanded)
- IV. **Hands-on Digital Design Course during the Pandemic: Moulding Design for Fabricating Small Objects**  
Özman G. Ö., Arslan Selçuk S.  
International Journal of Art and Design Education, vol.42, no.1, pp.86-107, 2023 (AHCI)

### Articles Published in Other Journals

- I. **Machine learning in the discipline of architecture: A review on the research trends between 2014 and 2020**  
Ozerol G., Arslan Selçuk S.  
INTERNATIONAL JOURNAL OF ARCHITECTURAL COMPUTING, vol.21, no.1, pp.23-41, 2023 (ESCI)
- II. **Bioclimatic Façade Design Based on Daylight Parameter and Optimization of Alternatives Through Genetic Algorithms: An Office Building in Ankara**  
Özerol Özman G., Arslan Selçuk S.  
PLANARCH - Design and Planning Research, vol.01, no.01, pp.1-8, 2023 (Peer-Reviewed Journal)
- III. **GENERATING MASS HOUSING PLANS THROUGH GANS - A CASE IN TOKI, TURKEY**  
ÖZEROL G., ARSLAN SELÇUK S.  
Architecture and Planning Journal, vol.28, no.3, pp.1-12, 2023 (Peer-Reviewed Journal)
- IV. **The Cultural Sustainability: Merzifon Anatolia College, Turkey**  
Özerol G., Akalın A.  
Modular Journal, vol.2, no.2, pp.22-45, 2019 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Hands-On Basics of Digital Design Education: Experiential Learning With Origami**  
ÖZDEMİR M., ÖZEROL G., ARSLAN SELÇUK S.  
in: Research and Evaluations in the Field of Architecture and Engineering, Caglar, Arzu, Editor, LAP LAMBERT Academic Publishing, pp.5-20, 2022
- II. **Generation of Architectural Drawings Through Generative Adversarial Networks (Gans): A Case on Apartment Plan Layouts**  
ÖZEROL G., ARSLAN SELÇUK S.  
in: Architectural Research: Current Studies And Future Trends,, Arslan Selçuk, Semra, Editor, Livre de Lyon, Lyon, pp.35-52, 2021

## Refereed Congress / Symposium Publications in Proceedings

- I. **Generating Mass Housing Plans Through Gans: A Case on Toki, Türkiye,**  
Özerol Özman G., Arslan Selçuk S.  
Hybrid Spaces of the Metaverse 10th ASCAAD 2022 , Bayrut, Lebanon, 12 October 2022
- II. **The Cultural Sustainability: Merzifon Anatolia College, Turkey**  
Özerol G., Akalın A.  
ICESBE (International Conference on Energy and Sustainable Built Environment), İstanbul, Turkey, 19 - 20 June 2019, pp.105-106
- III. **Bioclimatic Building Façade Design Based on Daylight Parameter an Optimization of Design Alternatives Using Genetic Algorithms: An Office Building in Ankara**  
Özerol G., Arslan Selçuk S.  
International (Bio)Climate Change Symposium 2022 – (BCCS 2022), Erzurum, Turkey, 24 - 25 March 2022
- IV. **Designing Facades Based On Daylight Parameter: A Proposal For The Production Of Complex Surface Panelization**  
Özerol G., Arslan Selçuk S.  
Architecture In The Age Of Disruptive Technologies – Transformation and Challenges, 9th International Conference of the Arab Society for Computer Aided Architectural Design (ASCAAD 2021), Cairo, Egypt, 2 - 04 March 2021

## Supported Projects

Arslan Selçuk S., Mutlu Avinç G., Coşkun A., Özdemir M., Özerol Özman G., Erasmus Project, GREENBRAIN: Empowering Youth Work Towards the European Green Deal (ERASMUS Gençlik Programı KA2 Stratejik Ortaklıklar AB Projesi), 2022 - 2024

## **Metrics**

Publication: 14

Citation (WoS): 7

Citation (Scopus): 14

H-Index (WoS): 1

H-Index (Scopus): 1