

## Asst. Prof. Zeynep BİRGÖNÜL

### Personal Information

**Email:** zeynep.birgonul@yildiz.edu.tr

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### International Researcher IDs

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### Education Information

Doctorate, Spain 2016 - 2020

Postgraduate, Spain 2014 - 2015

Postgraduate, Universidad Politecnica de Cataluna, Institute for Advanced Architecture of Catalunya, Masters of Advanced Architecture, Spain 2012 - 2013

Undergraduate, Ihsan Dogramaci Bilkent University, Sanat ve Tasarım Fakültesi, İç Mimarlık ve Çevre Tasarımı, Turkey 2007 - 2011

### Foreign Languages

English, C1 Advanced

German, A1 Beginner

Spanish, B2 Upper Intermediate

### Certificates, Courses and Trainings

Vocational Training, Revit / Dynamo, Üçüncü Binyıl, 2019

Vocational Training, Revit, Formaschool, 2016

Vocational Training, 3Ds Max, MİMTEK, 2011

Vocational Training, Designing the Shopping Experience, Domus Academy, 2010

### Dissertations

Doctorate, Symbiotic Data Platform: a receptive-responsive tool for customizing thermal comfort & maximizing energy efficiency, 2020

Postgraduate, Re-generation or Re-location ?, 2014

### Research Areas

Communication Design, Interactive Media Design, Performing Design, Interior Architecture and Environmental Design, Art and Design, Design Studies, Human Computer Interaction, Informatics in Construction Management, Architectural Design

## Academic Titles / Tasks

Assistant Professor, Yildiz Technical University, Faculty Of Art & Design, Department Of Communication Design, 2024 - Continues

## Academic and Administrative Experience

Adaptation/Exemption Committee Member, Yildiz Technical University, Faculty Of Art & Design, Department Of Communication Design, 2024 - Continues

## Courses

Temel Tasarım 1, Undergraduate, 2024 - 2025

Tasarım Teorisi, Undergraduate, 2024 - 2025

Mekan Tasarımı, Undergraduate, 2024 - 2025

İnteraktif Tasarım Kuramı, Postgraduate, 2024 - 2025

Proje 4, Undergraduate, 2024 - 2025

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

- I. **Exploring the Critical Risk Factors of Public–Private Partnership City Hospital Projects in Turkey**  
Dogan Erdem T., Birgonul Z., Bilgin G., Akcay E. C.  
Buildings, vol.14, no.2, 2024 (SCI-Expanded)
- II. **Development of a Taxonomy for Causes of Changes in Construction Projects**  
Birgonul Z., BUDAYAN C., KOÇ K.  
Buildings, vol.14, no.1, 2024 (SCI-Expanded)

## Articles Published in Other Journals

- I. **A User-Centric Analysis and Survey-Based Approach for Early Design Decision-Making Criteria of the Symbiotic Data Platform**  
BİRGÖNÜL Z.  
Journal of Construction Engineering, Management & Innovation (Online), 2024 (Peer-Reviewed Journal)
- II. **An analytical approach to identify design criteria for reducing earthquake risks in residential interiors**  
Garip S. B., Garip E., Birgönül Z., Güzelci H.  
A/Z ITU Journal of the Faculty of Architecture, vol.20, no.1, pp.247-264, 2023 (Scopus)
- III. **Mindfulness (Bilinçli Farkındalık) Metodu Kullanarak İleri Temsil Teknikleri Geliştirilmesine Yönelik Bir Çalışma**  
BİRGÖNÜL Z., ÖKSÜZ M.  
JCode: Journal of Computational Design, 2023 (Peer-Reviewed Journal)
- IV. **A receptive-responsive tool for customizing occupant's thermal comfort and maximizing energy efficiency by blending BIM data with real-time information**  
Birgonul Z.  
Smart and Sustainable Built Environment, vol.10, no.3, pp.504-535, 2021 (ESCI)
- V. **The adoption of multidimensional exploration methodology to the design-driven innovation and production practices in AEC industry**  
BİRGÖNÜL Z., Carrasco O.  
Journal of Construction Engineering, Management & Innovation (Online), vol.4, pp.92-105, 2021 (Peer-Reviewed)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Exploring Urban Resilience: A Socio-spatial Perspective of the Adaptive Reuse Projects in İstanbul, Turkey**  
BİRGÖNÜL Z.  
IPCMC 8th International Project and Construction Management Conference, İstanbul, Turkey, 30 January 2024
- II. **Konut İç Mekanlarında Deprem Risklerini Azaltmaya Yönelik Tasarım Kriterlerinin Belirlenmesi Üzerine Bir Araştırma**  
GARİP S. B., GARİP E., GÜZELCİ H., BİRGÖNÜL Z., GÜZELCİ O. Z., GÖKDEMİR G., EROL SOYÖZ G.  
8. Uluslararası Tasarım ve Mimarlık Kongresi, Turkey, 30 December 2022
- III. **Constructing the Added Value for AEC Industry: An Interdisciplinary Learning Style; 'The Multidimensional Exploration Methodology'**  
BİRGÖNÜL Z., Carrasco O.  
IPCMC 7th International Project and Construction Management Conference, Turkey, 20 - 22 October 2022
- IV. **The Multidimensional Exploration Methodology For Architectural Design Studio Education: An Innovative Teaching Methodology Proposal**  
BİRGÖNÜL Z., Carrasco O.  
SPACE International Conference 2022 on Architecture and Design Education. London: SPACE Studies., London, Canada, 10 - 12 July 2022
- V. **The Adoption of Multidimensional Exploration Methodology to The Design-driven Innovation and Production Practices in AEC Industry**  
BİRGÖNÜL Z., Carrasco O.  
IPCMC 6th International Project and Construction Management Conference, Turkey, 20 October 2020
- VI. **Symbiotic Data Platform: Prototype I And Prototype II. 5th International Project and Construction Management Conference**  
BİRGÖNÜL Z., Cocho-Bermejo A.  
IPCMC 5th International Project and Construction Management Conference, Cyprus (Kktc), 22 October 2018
- VII. **Adaptive & Morphogenetic City Research Laboratory**  
BİRGÖNÜL Z., Cocho-Bermejo A., Navarro-Mateu D.  
eCAADe 2018 Computing for a Better Tomorrow: Proceedings of the 36th International Conference on Education and Research in Computer Aided Architectural Design in Europe, Poland, 20 September 2018
- VIII. **Symbiotic Data Platform: A Receptive-Responsive Tool for Building Thermal Comfort Optimization**  
BİRGÖNÜL Z., Cocho-Bermejo A.  
EURAU 2018, Spain, 10 September 2018
- IX. **Symbiotic Data Platform: Advancing BIM to an Interactive Stage for Occupants Comfort Optimization**  
BİRGÖNÜL Z.  
SIMAUD 2018: Symposium on Simulation for Architecture and Urban Design, Netherlands, 10 June 2018
- X. **Adaptive & Morphogenetic City Research Laboratory**  
Cocho-Bermejo A., Birgonul Z., Navarro-Mateu D.  
36th International Conference on Education and Research in Computer Aided Architectural Design in Europe, eCAADe 2018, Łódź, Poland, 19 - 21 September 2018, vol.2, pp.659-668
- XI. **Symbiotic Data Platform**  
BİRGÖNÜL Z.  
Responsive Cities: Active Public Space 2017, Barselona, Spain, 13 - 14 November 2017, vol.1, pp.80-97
- XII. **Barcelona and Antalya. Cartographic Analysis of Two Mediterranean Cities**  
BİRGÖNÜL Z., Millan-Gomez A.  
EGA 2016. Congreso Internacional de Expresión Gráfica Arquitectónica, Spain, 12 June 2016
- XIII. **"Regeneration or relocation" A critical analysis and an alternative for sustainable urban**

## **development in Istanbul**

Birgonul Z., Mendoza-Arroyo M. D. C.

6th Euro-American Congress on Construction Pathology, Rehabilitation Technology and Heritage Management, REHABEND 2016, Burgos, Spain, 24 - 27 May 2016, vol.2016-May, pp.278-285

## **Metrics**

Publication: 23

Citation (Scopus): 16

H-Index (Scopus): 2

## **Awards**

Birgönül Z., Cum Laude, Universitat Internacional De Catalunya, January 2020

Birgönül Z., En iyi bildiri ödülü, İstanbul Teknik Üniversitesi, January 2020

Birgönül Z., Phd Project Scholarship, Universidad Politecnico De Porto, January 2019