Curriculum Vitae

I. Personal details

Name: Merve Öner
Born: 09.11.1989 – Konak, Izmir
Address: Department of Interior Architecture and Environmental Design, Bilkent University, 06800, Ankara, Turkey
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II. Research interests

Lighting design; Environmental physiology; Building physics; Cognitive behavior; Human-centric built environments; Lighting calculation methods; Occupant health and well-being; Visual perception; Daylighting; Eye tracking; Image-forming and non-image-forming effects of light

III. Education

2017-2021	Ph.D. research at University of Pisa - UniPi, Department of Energy Systems, Territory and Construction Engineering. Thesis entitled “Experimental studies on exploring the relationships between lighting quality factors and cognitive, ocular, and psychological changes”. Supervised by Prof. Dr. Francesco Leccese, Assoc. Prof. Giacomo Salvadori, Prof. Dr. Tuğçe Kazanasmaz
2015-2017	Master of Science in Architecture at Izmir Institute of Technology, Department of Architecture Thesis entitled “The influence of a new layout arrangement and a light shelf-reflective louver system on satisfying visual conditions in academic library reading rooms”. Supervised by Prof. Dr. Tuğçe Kazanasmaz
2007-2012	Bachelor’s in Architecture, Yasar University, Faculty of Architecture

IV. Work experience

2025-*ongoing*	Asst. Prof. at Bilkent University Department of Interior Architecture and Environmental Design, Turkey
2024-2025	Postdoctoral researcher at Penn State University on “Exploring the effects of evening indoor light exposure on children with autism spectrum disorder", PI - Asst. Prof. Alp Durmus.
2022-2023	Research fellow at Universita di Pisa on “Analysis and validation of the functioning of a low-cost system for monitoring the exposure of solar ultraviolet radiation (UVR) to outdoor workers”.

2015-2016	Assistant lecturer at Izmir University Department of Interior Architecture, Izmir, Turkey.
2012-2014	Technical office architect, Dogcan & Mehrnet Celik Construction Company, Refugee accommodation center project funded by the EU, Izmir, Turkey.

V. Publications

V.I. Journal articles

Öner, M., Lenker, K., & Durmus, D. (2025). Effects of evening indoor light exposure on sleep and circadian functioning in autistic people: A scoping review. *Building & Environment, 280*.

Leccese, F., Salvadori, G., Rocca, M., Oner M., Burattini, C., & Bisegna, F. (2021). Laptop displays performance: Compliance assessment with visual ergonomics requirements. *Displays, 60*.

Öner, M., Kazanasmaz, T., Leccese, F., & Salvadori, G. (2020). Analysis of the relationship between daylight illuminance and cognitive, affective and physiological changes in visual display terminal workers. *Building Services Engineering Research and Technology, 41*(2), pp. 167- 182.

Leccese, F., Salvadori, G., Oner. M., & Kazanasmaz, T. (2019). Exploring the impact of external shading system on cognitive task performance, alertness and visual comfort in a daylit workplace environment. *Indoor and Built Environment, 29*(7), pp. 942-955.

Öner, M. & Kazanasmaz, T. (2019). Illuminance and luminance based ratios in the scope of performance testing of a light shelf-reflective louver system in a library reading room. *Light and Engineering, 27*(3), pp. 39-46.

Kazanasmaz, T. Öner, M., & Bauer. C. (2017). Energy efficient building design using daylight redirecting components. Improving daylighting performance. Ege Mimarlik.

V.II. Conference proceedings

Öner, M. & Kazanasmaz, T. (2020). Changes in attention and mental rotation performance in relation to luminance variations in educational spaces. Proceedings of the 20J 0 IEEE International Conference on Environment and Electrical Engineering, Madrid, Spain, 1-5.

Öner, M. (2018). Measure of visual fatigue as a link between visual environment and visual and non-visual functions of VDT users: A review on what we have and what we need. *2018 IEEE International Conference on Environment and Electrical Engineering and 2018 IEEE Industrial and Commercial Power Systems Europe (EEEIC / I&CPS Europe)*, Palermo, Italy, 2018, pp. 1-6.

Arel, H. S. & Öner, M. (2016). Use of daylight in mosques: Meaning and practice in three different cases. *Islamic Heritage Architecture 2016 Conference Proceedings 1(3)*, pp. 421-429, Valencia, Spain.

VI. Seminars & Workshops

"Experimental studies on exploring the relationships between lighting quality factors and cognitive, ocular, and psychological changes", October 2022, Izmir Institute of Technology, Department of Architecture, Izmir, Turkey.

"Investigation of whether there is a direct relationship between exposure to varying daylight levels and cognitive, affective and physiological changes in VDT operators", October 2019, 5th VELUX Daylight Academic Forum, Paris, France.

"Implementing ocular signals in the visual and non-visual effects of daylight in VDT workstations", August 2018, LumeNet, Research methods workshop. Copenhagen, Denmark.

VII. Certificates

LEED Education, TMMOB Chamber of Architects, 2015, Izmir Turkey.

Healthcare architecture, Maurits Algra & Victor de Leeuw, 2013, IEU, Izmir, Turkey.

Use of timber as a construction material, Andre Jorissen, 2010, University of Sassari, Olbia, Italy.

VIII. Computer skills

MS Office; SPSS; Python (beginner); Adobe Photoshop; Adobe Indesign; DIALux; Velux; Relux; AutoCAD; ArchiCAD

IX. Language proficiency

Turkish (Mother tongue); English (Fluent); Italian (Pre-intermediate)