

Res. Asst. PhD EGEMEN KAYMAZ

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAH-2751-2021

ScopusID: 57211806735

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Education Information

Doctorate, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, Mimarlık (Dr), Turkey 2014 - 2023

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Çevre Kontrolü Ve Yapı Teknolojisi (YI) (Tezli), Turkey 2009 - 2012

Undergraduate, Istanbul Technical University, Mimarlık Fakültesi, Mimarlık Bölümü, Turkey 2004 - 2009

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Konutlarda ısı ve görsel konfor koşullarının sağlanmasına yönelik enerji optimizasyonu üzerine bir tasarım destek modeli, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, 2023

Postgraduate, Bina kabuğunun dış duvarları ve ara kesitlerinde ısı ve nemsel performansın kızılötesi termografi ile değerlendirilmesi üzerine bir alan çalışması, Istanbul Technical University, Fen Bilimleri Enstitüsü, Mimarlık, 2012

Research Areas

Architecture, Building Information

Academic Titles / Tasks

Research Assistant PhD, Bursa Uludağ University, MİMARLIK FAKÜLTESİ, MİMARLIK, 2015 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

1. A proposal on residential lighting design considering visual requirements, circadian factors and energy performance of lighting

Kaymaz E., Manav B.

JOURNAL OF ASIAN ARCHITECTURE AND BUILDING ENGINEERING, vol.22, no.5, pp.2851-2866, 2023 (SCI-Expanded)

Articles Published in Other Journals

- I. **Facade Lighting Proposal for Industrial Heritage Buildings: The Case Tirilye Olive Oil Factory**
Kaymaz E., Acar Bilgin E.
ONLINE JOURNAL OF ART AND DESIGN, vol.11, no.5, pp.72-81, 2023 (Peer-Reviewed Journal)
- II. **A Study of the Daylight Analysis and Shading Device Proposal for Retrofitting a Classroom**
KAYMAZ E.
International Journal of Advances in Mechanical and Civil Engineering (IJAMCE), vol.5, no.5, pp.20-25, 2018 (Peer-Reviewed Journal)
- III. **User Satisfaction Assessment of Indoor Environmental Quality in Today's Mosques: The Case of Nilufer, Bursa**
Kaymaz E., Şenkal Sezer F.
International Refereed Journal of Design and Architecture, vol.12, pp.75-97, 2017 (Peer-Reviewed Journal)
- IV. **The User s Perception of Indoor Comfort Conditions in Historical Mosques: The Case of Bursa, Turkey**
Şenkal Sezer F., Kaymaz E.
INTERNATIONAL JOURNAL OF HUMANITIES AND SOCIAL SCIENCE, vol.6, no.9, pp.43-54, 2016 (Peer-Reviewed Journal)
- V. **Thermal Performance Assessment of Existing Buildings A Case Study from Turkey**
Kaymaz E., Şenkal Sezer F.
SSRN OIDA International Journal of Sustainable Development, vol.8, no.09, pp.97-112, 2015 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Calculating Cost-Optimal Energy Efficiency Levels for Opening Elements on an Exemplar Residential Building**
KAYMAZ E., ŞENKAL SEZER F.
in: *Advancements in Architectural, Engineering, and Construction Research and Practice: Integrating Disruptive Technologies and Innovation for Future Excellence*, , Editor, Springer, Cham, pp.113-123, 2024
- II. **EVALUATION OF THE ENVIRONMENTAL COMFORT CONDITIONS IN HISTORICAL AND PRESENT-DAY MOSQUES: A USER PERCEPTION SURVEY**
KAYMAZ E., ŞENKAL SEZER F.
in: *Cities and Cultural Landscapes: Recognition, Celebration, Preservation and Experience*, Greg Bailey, Francesco Defilippis, Azra Korjenic and Amir Čaušević, Editor, Cambridge Scholars Publishing, pp.211-225, 2020
- III. **Monitoring Thermal Bridges by Infrared Thermography**
Kaymaz E.
in: *Advanced Studies in Energy Efficiency and Built Environment for Developing Countries*, Chaham Alalouch, Hassan Abdalla, Emmanuel Bozonnet, George Elvin, Oscar Carracedo, Editor, Springer, London/Berlin , Berlin, pp.107-115, 2019
- IV. **The public's perception of physical space quality in light railway station buildings**
ŞENKAL SEZER F., ERBİL Y., KAYMAZ E.
in: *Cittaslow Turkey-Leave No One Behind: Sustainable Development GoalsLocal Governments*, Kaya Ozan, Yurtseven H. Rıdvan, Editor, Detay Yayıncılık, Ankara, pp.137-155, 2019

Refereed Congress / Symposium Publications in Proceedings

- I. **A Multi-Variable Analysis for Heating Energy Performance and Thermal Comfort in Residential Buildings**
KAYMAZ E., ŞENKAL SEZER F.
14th Annual International Conference on Architecture, Atina, Greece, 8 - 11 July 2024, pp.52-53
- II. **ANALYSIS OF LIGHTING ENERGY CONSUMPTION THROUGH COST-OPTIMAL INVESTMENTS FOR RESIDENCES: A CASE STUDY IN TURKEY**
KAYMAZ E., MANAV B.
The 30th Quadrennial Session of the CIE: Innovative Lighting Technologies, Ljubljana, Slovenia, 15 - 22 September 2023, pp.422-432
- III. **Konutlarda Farklı Yalıtım Malzemeleri ve Kalınlıkları için Maliyet Optimum Enerji Verimliliği Seviyesinin Hesaplanması: Bursa Örneği**
KAYMAZ E., ŞENKAL SEZER F.
3rd International Symposium of Scientific Research and Innovative Studies (ISSRIS'23), Balıkesir, Turkey, 15 March 2023, pp.533-534
- IV. **Konutlarda İnsan Odaklı Aydınlatma Tasarımına İlişkin Bir Öneri**
KAYMAZ E., MANAV B.
ELECO 2022: ELEKTRİK-ELEKTRONİK ve BİYOMEDİKAL MÜHENDİSLİĞİ KONFERANSI, Bursa, Turkey, 24 November 2022
- V. **Calculating Cost Optimal Energy Efficiency Levels for Opening Elements on an Exemplar Residential Building**
Kaymaz E., Şenkal Sezer F.
Parallelism in Architecture, Engineering & Computing Techniques - 4th Edition, London, England, 17 October 2022, pp.38-40
- VI. **Home as the New Office: Considerations of Interior Lighting Including Occupancy Scenarios of Ongoing Covid-19**
MANAV B., KAYMAZ E.
LUX Europa 2022, 14th European Lighting Conference, PRAG, Czech Republic, 20 September 2022, pp.209-215
- VII. **ANALYSES ON OCCUPANT PATTERNS AND ENERGY CONSUMPTION IN RESIDENTIAL BUILDINGS INCLUDING THE COVID-19 PANDEMIC**
Manav B., Kaymaz E.
CIE MIDTERM MEETING AND CONFERENCE "Light for Life - Living with Light", Kuala-Lumpur, Malaysia, 27 September 2021, pp.92-93
- VIII. **"SIMULATION BASED EVALUATION OF VISUAL COMFORT, DAYLIGHTING AND ENERGY EFFICIENCY IN A GATED COMMUNITY"**
Kaymaz E., Göymen Ç., Durusan M., Şenkal Sezer F.
15th International Conference "Standardization, Prototypes and Quality": A Means of Balkan Countries' Collaboration, Edirne, Turkey, 24 - 25 October 2019
- IX. **A Lighting Proposal for A Library Project in Terms of Energy Efficiency**
KAYMAZ E., EDİZ Ö. M., MANAV B.
Second Balkan Junior Conference on Lighting, BalkanLight Junior 2019, Plovdiv, Bulgaria, 19 - 21 September 2019
- X. **Kapalı Konut Sitelerinde Görsel Konfor ve Aydınlatmaya Bağlı Enerji Tüketiminin Değerlendirilmesi: Bursa Balat Örneği**
KAYMAZ E., MANAV B.
12. ULUSAL AYDINLATMA KONGRESİ, İstanbul, Turkey, 18 - 19 September 2019, pp.218-226
- XI. **A Cultural Route Proposal for Early Republican Architectural Heritage of Bursa**
ACAR BİLGİN E., KAYMAZ E.
International Conference on Conservation of 20th Century Heritage from Architecture to Landscape, TAHRAN, Iran, 23 - 24 April 2019, pp.117-132
- XII. **Façade Illumination for Industrial Heritage Buildings: A Case Study of Olive Oil Factory in Tirilye**

District, Bursa

KAYMAZ E., ACAR BİLGİN E.

International Conference on Conservation of 20th Century Heritage from Architecture to Landscape, TAHRAN, Iran, 23 - 24 April 2019, pp.84-94

- XIII. **The Public's Perception of Physical Space Quality In Light Railway Station Buildings: Bursa, Turkey**
ŞENKAL SEZER F., ERBİL Y., KAYMAZ E.
Cittaslow Turkey International Symposium, 12 - 13 October 2018
- XIV. **A Study of the Daylight Analysis and Shading Device Proposal for Retrofitting a Classroom**
KAYMAZ E.
IASTEM International Conference on Civil and Architectural Engineering, 22 - 23 July 2018, pp.1-6
- XV. **Monitoring Thermal Bridges by Infrared Thermography**
KAYMAZ E.
AREQ Alternative Renewable Energy Quest - Symposium, SELANİK, Greece, 27 - 29 November 2017
- XVI. **Evaluation of the Environmental Comfort Conditions in Historical and Present-day Mosques: A User Perception Survey**
KAYMAZ E., ŞENKAL SEZER F.
4th International Conference the Importance of Place Cities and Cultural Landscapes: Between Recognition, Preservation and Usage, Sarajevo, Bosnia And Herzegovina, 20 - 23 October 2017
- XVII. **Thermographic Inspection and Heating Energy Audit of Residential Buildings**
KAYMAZ E.
41st IAHS World Congress: Sustainability and Innovation for the Future, ALBUFEIRA, Portugal, 13 - 16 September 2016
- XVIII. **Bursa Reşat Oyal Kültürparkı**
KAYMAZ E.
DOCOMOMO - Türkiye Mimarlığında Modernizmin Yerel Açılımları, Bolu, Turkey, 18 - 19 December 2015
- XIX. **Thermal Performance Assessment of Existing Buildings A Case Study from Turkey**
KAYMAZ E., ŞENKAL SEZER F.
International Conference on Sustainable Development 2015 Athens, Greece., Athens, Greece, 2 - 03 September 2014, pp.73-74

Supported Projects

Kaymaz E., Sarıbay S. A., Yılmaz B. Ç., Aydemir M. T., Manav B., TUBITAK Project, Çalışma Mekanlarında Görsel Konfor Değişkenlerinin İnsan Odaklı Aydınlatma ve Enerji Performans Gereksinimlerine Bağlı Belirlenmesi, 2023 - 2026
Şenkal Sezer F., Kaymaz E., Project Supported by Higher Education Institutions, DDP(MM)-2019/6 Konutlarda Isıl ve Görsel Konfor Koşullarının Sağlanması ve Enerji Optimizasyonu Üzerine Bir Tasarım Destek Modeli, 2019 - 2023
Kuş H., TUBITAK Project, Pomza Taşı Agregalı Beton Bloklarla Yapılan Dış Duvarların Isıl ve Nemsel Performansı Yaşam Dönemi Boyunca Enerji ve Ekonomik Etkinliği , 2008 - 2010

Metrics

Publication: 29

Citation (WoS): 4

Citation (Scopus): 4

H-Index (WoS): 2

H-Index (Scopus): 1

Non Academic Experience

IKEA, Bursa
SARITABAK Mimarlık
Yeni Dođan Mimarlık