



AHMET BIRCAN ATMACA

RES. ASST.

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International Researcher IDs

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Publons / Web Of Science ResearcherID: ABA-8470-2021

ScopusID: 57208644223

Learning Knowledge

Doctorate 2017 - Continues	Yildiz Technical University, Faculty Of Architecture, Department Of Architecture, Turkey
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Postgraduate 2015 - 2017	Yildiz Technical University, Faculty Of Architecture, Department Of Architecture, Turkey
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Undergraduate 2009 - 2013	Trakya University, Mimarlık Fakültesi, Mimarlık Bölümü, Turkey
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Foreign Languages

English, B2 Upper Intermediate

Dissertations

Postgraduate, DİNİ YAPILARIN ISIL KONFOR VE ENERJİ TÜKETİMİ AÇISINDAN İNCELENMESİ VE DEĞERLENDİRİLMESİ: MARMARA İLAHİYAT CAMİ VE HZ. ALİ CAMİ ÖRNEKLERİ, Yıldız Teknik Üniversitesi, Faculty of Architecture, Yapı Fiziği Bilim Dalı, 2017

Academic Titles / Tasks

Research Assistant 2015 - Continues	Yildiz Technical University, Faculty Of Architecture, Department Of Architecture
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Researcher 2021 - 2021	Universitad Karlsruhe, Faculty of Architecture
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Awards

1. Atmaca A. B. , Yayın Teşvik Ödülü, Yıldız Teknik Üniversitesi, March 2022

Scholarships

2214-A International Research Fellowship (for the PhD Students), TUBITAK, 2021 - 2021

Published journal articles indexed by SCI, SSCI, and AHCI

1. **A method for determining and improving the visual comfort change in strengthened buildings: educational building- the example of classroom**
Atmaca A. B. , Zoroğlu Çağlar F., Ünver F. R. , Zorer Gedik G.
Journal Of The Faculty Of Engineering And Architecture Of Gazi University, vol.37, no.4, pp.1915-1930, 2022
(Journal Indexed in SCI Expanded)
2. **Determination of optimum envelope of religious buildings in terms of thermal comfort and energy consumption: Mosque cases**
ATMACA A. B. , ZORER GEDİK G., Wagner A.
Energies, vol.14, no.20, 2021 (Journal Indexed in SCI)
3. **Determination of thermal comfort of religious buildings by measurement and survey methods: Examples of mosques in a temperate-humid climate**
Atmaca A. B. , Zorer Gedik G.
Journal of Building Engineering, vol.30, 2020 (Journal Indexed in SCI)
4. **Evaluation of mosques in terms of thermal comfort and energy consumption in a temperate-humid climate**
Atmaca A. B. , Zorer Gedik G.
Energy and Buildings, vol.195, pp.195-204, 2019 (Journal Indexed in SCI)

Articles Published in Other Journals

1. **Determination of Thermal Comfort Conditions of An Educational Building in Temperate - Humid Climate**
Zoroğlu Çağlar F., Hasmaden F., Atmaca A. B. , Zorer Gedik G.
Modular Journal, vol.2, no.2, pp.46-57, 2019 (International Refereed University Journal)
2. **Child-Centered Disaster Management**
LİMONCU S., ATMACA A. B.
MEGARON, vol.13, no.1, pp.132-143, 2018 (Journal Indexed in ESCI)

Books & Book Chapters

1. **The Impact of Transparency Ratio on Visual Comfort: A Field Study on Educational Building**
Zoroğlu Çağlar F., Atmaca A. B. , Zorer Gedik G.
in: New Approaches in Contemporary Architecture and Urbanism, Hourakhsh Ahmad Nia, Editor, Cinius Yayınları,

Refereed Congress / Symposium Publications in Proceedings

- 1. The Impact of Transparency Ratio on Visual Comfort: The Case Study of an Educational Building in Istanbul**
Zoroğlu Çağlar F., Atmaca A. B. , Zorer Gedik G.
International Conference of Contemporary Affairs in Architecture and Urbanism (ICCAUA-2020), Antalya, Turkey, 6 - 08 May 2020, pp.5
- 2. Determination of Thermal Comfort Conditions of An Educational Building in Temperate - Humid Climate**
Zoroğlu Çağlar F., Hasmaden F., Atmaca A. B. , Zorer Gedik G.
International Conference on Energy and Sustainable Built Environment(ICESBE 2019), İstanbul, Turkey, 19 - 20 June 2019, pp.29-30
- 3. Çevresel Sürdürülebilirlik Kapsamında Konutta Isıl Konforun Sağlanması ve Enerji Tüketiminin Azaltılması**
Zoroğlu F., Atmaca A. B. , Zorer Gedik G.
İstanbul I. Konut Kurultayı, İstanbul, Turkey, 10 - 11 May 2018, pp.1702-1713
- 4. Eğitim Binalarında İşitsel, Görsel ve Isıl Konfor Açısından Yapı Kabuğu Değerlendirmesi: Bir Ortaöğretim Okulu Örneği**
ATMACA A. B. , AKDAĞ N., ÜNVER F. R. , ZORER GEDİK G.
3. Ulusal Yapı Fiziği ve Çevre Kontrolü Kongresi, İstanbul, Turkey, 10 - 11 May 2018, pp.15-24
- 5. Determining Heat Losses and Heat Gains Through The Building Envelope of The Mosques**
ATMACA A. B. , ZORER GEDİK G.
International Research Conference on Sustainable Energy, Engineering, Materials and Environment Conference, Newcastle, United Kingdom, 26 July 2017, pp.270-277
- 6. Dini Yapıların Isıl Konforunun İncelenmesi: Marmara İlahiyat Cami ve Hz. Ali Cami Örneklemeleri**
ZORER GEDİK G., ATMACA A. B.
13. Ulusal Tesisat Mühendisliği Kongresi, İzmir, Turkey, 19 April 2017, vol.1, pp.1253-1262

Expert Reports

- 1. TECHNICAL REPORT FOR CHECKING CONDENSATION OF EXTERNAL WALLS OF THE GENERAL MANAGEMENT (GM-BUILDING 1) and ÇİNİLİ HAN (CH-BUILDING 3) CONSTRUCTIONS**
Zorer Gedik G., Atmaca A. B.
Peninsula Otel İşletmeciliği A.Ş., pp.15, İstanbul, 2019

Artistic Activity

Yağmur Ş., İlgürel M. N. , Göksu A. U. , Zoroğlu Çağlar F., Yüksel S., Atmaca A. B. , bauhaus 100. yılında tasarım festivali, Festival, November 2019

Academic and Administrative Experience

2021 - Continues	Internship Committee Member	Yildiz Technical University, Faculty Of Architecture, Department Of Architecture
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2021 - 2022	Yapı Bilgisi Anabilim Dalı, Yapı Fiziği Uzmanlık Birimi	Yildiz Technical University, Faculty Of Architecture, Department Of Architecture
2021 - 2022	Koordinatörü Yapı Bilgisi Anabilim Dalı Koordinatörü	Yildiz Technical University, Faculty Of Architecture, Department Of Architecture
2015 - 2018	Yapı Bilgisi Anabilim Dalı Koordinatörü	Yildiz Technical University, Faculty Of Architecture, Department Of Architecture

Scientific Refereeing

Journal Of Architectural Engineering, Other Indexed Journal, March 2022

Scientific Research / Working Group Memberships

Sürdürülebilir Çevre Yönetimi Teknolojileri Ekosistemler ve Sürdürülebilir Yapılı Çevre Grubu, YILDIZ TEKNİK ÜNİVERSİTESİ, Türkiye, sustainablecitiesytu@gmail.com, 2017 - Continues

Metrics

Publication: 15
Citation (WoS): 22
Citation (Scopus): 26
H-Index (WoS): 2
H-Index (Scopus): 2

Research Areas

Architecture, Building Information, Physical Urban Protection, Engineering and Technology