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International Researcher IDs

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Education Information

- I. Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Mimarlık, Turkey 2012 - 2014
- II. Undergraduate, Istanbul Technical University, Mimarlık, Mimarlık, Turkey 2007 - 2012

Foreign Languages

- I. English, C1 Advanced

Dissertations

- I. Postgraduate, Sıcak-Kuru İklim Bölgelerinde Enerji Korunumu-Yerleşme Dokusu-Form Etkileşimi: Geleneksel Diyarbakır Evleri Örneği, İstanbul Technical University, Fen Bilimleri Enstitüsü, Mimarlık Anabilim Dalı, 2014

Research Areas

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

Academic Titles / Tasks

- I. Research Assistant, İstanbul Technical University, Mimarlık, Mimarlık, 2014 - Continues

Courses

- I. Environmental control studio, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017
- II. Graduation Project, Undergraduate, 2018 - 2019
- III. Energy efficient housing, Undergraduate, 2019 - 2020, 2017 - 2018, 2016 - 2017
- IV. Uygulama projesi, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **The impact of urban form on building energy and cost efficiency in temperate-humid zones**
Mangan S. D., Koçlar Oral G., Erdemir Kocagil İ., Sozen I.
Journal of Building Engineering, vol.33, 2021 (SCI-Expanded)
- II. **Evaluation of settlement textures in terms of building energy, economic performance, and outdoor thermal comfort**
Mangan S. D., Koçlar Oral G., Sozen I., Erdemir Kocagil İ.
Sustainable Cities and Society, vol.56, 2020 (SCI-Expanded)
- III. **The Effect of Building Form and Settlement Texture on Energy Efficiency for Hot Dry Climate Zone in Turkey**
Erdemir Kocagil İ., Koçlar Oral G.
Energy Procedia, no.78, pp.1835-1840, 2015 (SCI-Expanded)

Articles Published in Other Journals

- I. **The effect of solar heat gain on climate responsive courtyard buildings**
Erdemir Kocagil İ., Koçlar Oral G.
A/Z ITU Journal of the Faculty of Architecture, vol.13, no.2, pp.39-46, 2016 (Scopus)

Books & Book Chapters

- I. **Sıcak Kuru İklim Bölgelerinde Enerji-Form-Yerleşme Dokusu Etkileşimi**
ERDEMİR İ., KOÇLAR ORAL G.
LAMBERT Academic Publishing by OmniScriptum, Saarbrücken, 2017

Refereed Congress / Symposium Publications in Proceedings

- I. **Impact of urban textures on residential building performances in terms of energy and cost efficiency**
MANGAN S. D., KOÇLAR ORAL G., ERDEMİR İ.
Clima 2019, 26 - 19 May 2019, vol.111, no.2019, pp.6025
- II. **THE IMPACT OF SOLAR GAIN AND DAYLIGHT AVAILABILITY ON BUILDING ENERGY LOADS RELATED TO URBAN GEOMETRY**
ERDEMİR İ., KOÇLAR ORAL G.
SOLAR-TR 2018, 29 - 30 November 2018, pp.190-199
- III. **Effect of Urban Texture on Building Energy Performance**
MANGAN S. D., KOÇLAR ORAL G., ERDEMİR İ.
7th International Building Physics Conference, IBPC2018, 23 - 26 September 2018, vol.1, pp.569-574
- IV. **Kentsel Geometri-Bina Enerji Performansı Etkileşimi:Kurtuluş Örneği**
ERDEMİR İ., KOÇLAR ORAL G.
3.Uluslararası Yapı Fiziği ve Çevre Kontrolü Kongresi, İstanbul, Turkey, 10 - 11 May 2018, vol.1, pp.277-286
- V. **The Effect of Building Envelope and Form on Cooling Performance in Hot-Dry Climate Zone**
ERDEMİR İ., KOÇLAR ORAL G.
ICBEST 2017, International Conference on Building Envelope Systems and Technologies, 15 - 18 May 2017, vol.1
- VI. **AVLULU YAPILARDA GÜNEŞ İŞİNİMİ KAZANÇLARININ ISITMA-SOĞUTMA YÜKLERİNE ETKİSİ**
ERDEMİR İ., KOÇLAR ORAL G.
2. Ulusal Yapı Fiziği ve Çevre Kontrolü Kongresi, Turkey, 4 - 06 May 2016
- VII. **Sıcak-kuru iklim bölgelerinde yerleşme dokusu-form-enerji etkileşimi**
ERDEMİR İ., KOÇLAR ORAL G.

Memberships / Tasks in Scientific Organizations

- I. Yapı Fiziği Derneği, Principal Member, 2014 - Continues

Scientific Refereeing

- I. SUSTAINABLE CITIES AND SOCIETY, SCI Journal, July 2020

Tasks In Event Organizations

- I. Erdemir Kocagil İ., 3. Ulusal Yapı Fiziği ve Çevre Kontrolü Kongresi, Scientific Congress, İstanbul, Turkey, Mayıs 2018
- II. Erdemir Kocagil İ., Koçlar Oral G., 3. Ulusal Yapı Fiziği ve Çevre Kontrolü Kongresi, Scientific Congress, İstanbul, Turkey, Mayıs 2018
- III. Erdemir Kocagil İ., Koçlar Oral G., 2. Ulusal Yapı Fiziği ve Çevre Kontrolü Kongresi, Scientific Congress, İstanbul, Turkey, Mayıs 2016
- IV. Erdemir Kocagil İ., 2. Ulusal Yapı Fiziği ve Çevre Kontrolü Kongresi, Scientific Congress, İstanbul, Turkey, Mayıs 2016

Metrics

Publication: 12
Citation (WoS): 1
Citation (Scopus): 1
H-Index (WoS): 1
H-Index (Scopus): 1

Coaching Duties

Refereeing Duties
