

Assoc. Prof. BAŞAK GÜÇYETER

Personal Information

Email: bgucyeter@ogu.edu.tr

Web: <https://avesis.ogu.edu.tr/bgucyeter>

International Researcher IDs

ScholarID: SwkEQgUAAAAJ

ORCID: 0000-0002-5269-3174

Publons / Web Of Science ResearcherID: I-1814-2018

ScopusID: 55389042400

Yoksis Researcher ID: 130912

Education Information

Doctorate, Izmir Institute Of Technology, Institute Of Engineering And Natural Sciences, Mimarlık (Dr) (İngilizce), Turkey 2004 - 2010

Postgraduate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Yapı (YI) (Tezli), Turkey 2000 - 2004

Undergraduate, Dokuz Eylul University, Mimarlık Fakültesi, Mimarlık Bölümü, Turkey 1995 - 2000

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, A method on energy-efficient retrofitting for existing building envelopes, Izmir Institute Of Technology, Mühendislik Ve Fen Bilimleri Enstitüsü, Mimarlık (Dr) (İngilizce), 2010

Postgraduate, Değişebilen strüktürlerin yapısal özelliklerinin karşılaştırılmalı irdelenmesi, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Yapı (YI) (Tezli), 2004

Research Areas

Physical Urban Protection

Academic Titles / Tasks

Associate Professor, Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Mimarlık Bölümü, 2019 - Continues

Assistant Professor, Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Mimarlık Bölümü, 2014 - 2020

Lecturer PhD, Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Mimarlık Bölümü, 2011 - 2014

Research Assistant, Izmir Institute Of Technology, Faculty Of Architecture, Department Of Architecture (English), 2005 - 2010

Academic and Administrative Experience

Head of Department, 2013 - Continues

Courses

İleri Mimari Araştırma Yöntemleri, Postgraduate, 2017 - 2018
Building Economics and Cost Control 491, Undergraduate, 2017 - 2018, 2016 - 2017
Mimari Tasarım 401, Undergraduate, 2017 - 2018, 2016 - 2017
Building Physics 352, Undergraduate, 2017 - 2018, 2016 - 2017
Building Physics 351, Undergraduate, 2017 - 2018, 2016 - 2017
Mimari Tasarım 402, Undergraduate, 2017 - 2018, 2016 - 2017
Introduction to Building Performance Simulation 481, Undergraduate, 2017 - 2018, 2016 - 2017
Sustainable Architecture 381, Undergraduate, 2017 - 2018, 2016 - 2017
Uzmanlık Alan Dersi, Postgraduate, 2017 - 2018, 2016 - 2017
Building Performance Simulation 482, Undergraduate, 2016 - 2017
Mimari Proje VIII, Undergraduate, 2016 - 2017
Building Science and Technology 251, Undergraduate, 2016 - 2017

Advising Theses

Güçyeter B., Investigating the effects of photovoltaic integrated shading devices on energy efficiency and visual comfort, Postgraduate, B.AMANI(Student), Continues
Güçyeter B., Konut Yapılarında Kullanıcı Davranışının Enerji Performansı Üzerine Etkilerinin İrdelenmesi: Modelleme Çalışmaları, Postgraduate, M.KARACA(Student), Continues
Güçyeter B., Ofis Binalarının Enerji Tüketimi Üzerinde Kullanıcı Davranışının Etkisi, Postgraduate, S.GİRİŞEN(Student), Continues
Güçyeter B., Mimaride uyarlanabilirlik değerlendirme kriter setinin oluşturulması ve örnekler üzerinden okunması, Postgraduate, H.ÖZLER(Student), 2021
Güçyeter B., Biyomimikriye dayalı adaptif güneş kırıcı tasarımı, Postgraduate, M.ALNAJAR(Student), 2021
Güçyeter B., Konut dışı binalarda yapı kabuğu sızdırmazlığının saptanması: ESOGÜ mimarlık bölüm binası vaka çalışması, Postgraduate, İ.GÜLSOY(Student), 2021
Güçyeter B., Ofis mekanlarında dinamik cam ve güneş kırıcı kullanımının görsel konfor ve enerji performansı bakımından irdelenmesi, Postgraduate, S.ÖZYALIN(Student), 2021
Güçyeter B., Evaluating the daylight and energy performance of different adaptive facade systems for a hypothetical cell-type office unit, Postgraduate, M.KABIR(Student), 2021
Güçyeter B., Türkiye'de mimarların yapı bilgi modellemesine dair kullanım ve farkındalık düzeylerinin saptanması ve değerlendirilmesi, Postgraduate, A.HABIBZADEH(Student), 2021
Güçyeter B., Sürdürülebilirlik değerlendirme sistemleri bağlamında yerel yapı malzemesi kullanımının irdelenmesi, Postgraduate, Ö.ALACA(Student), 2018

Jury Memberships

Post Graduate, Post Graduate, Eskişehir Osmangazi Üniversitesi, February, 2022
Doctoral Examination, Doctoral Examination, Eskişehir Osmangazi Üniversitesi, January, 2022
Doctoral Examination, Doctoral Examination, Erzurum Teknik Üniversitesi, January, 2022
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Eskişehir Teknik Üniversitesi, January, 2022
Doctoral Examination, Doctoral Examination, Eskişehir Teknik Üniversitesi, June, 2021
Doctoral Examination, Doctoral Examination, Eskişehir Osmangazi Üniversitesi, May, 2021

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Effect of first-semester basic design studio on architecture students' creative skills: a pre-and post-test assessment**
KETİZMEN G., GÜÇYETER B.
International Journal of Technology and Design Education, 2024 (SCI-Expanded)
- II. **Planning the monitoring process and energy performance evaluation in historical buildings: The case of Tiryakizade Süleyman Ağa Mosque Tarihi yapılarda izleme sürecinin planlanması ve enerji performans değerlendirmesi: Tiryakizade Süleyman Ağa Cami örneği**
Sarıaydın E. U., GÜÇYETER B., Halaç H. H.
Journal of the Faculty of Engineering and Architecture of Gazi University, vol.39, no.2, pp.943-958, 2024 (SCI-Expanded)
- III. **Evaluating diverse patterns of occupant behavior regarding control-based activities in energy performance simulation**
GÜÇYETER B.
FRONTIERS OF ARCHITECTURAL RESEARCH, vol.7, no.2, pp.167-179, 2018 (AHCI)
- IV. **Optimization of an envelope retrofit strategy for an existing office building**
GÜÇYETER B., Gunaydin H. M.
ENERGY AND BUILDINGS, vol.55, pp.647-659, 2012 (SCI-Expanded)

Articles Published in Other Journals

- I. **Innovative Spatial Solutions in Agriculture Education: Designing the Faculty of Agriculture Building, Eskişehir Osmangazi University**
Öztürk A., Önal G., Güçyeter B., Keleş H.
Scholars Journal of Research in Agriculture and Biology, vol.3, no.1, pp.155-165, 2018 (Peer-Reviewed Journal)
- II. **The Place of Sustainability in Architectural Education Discussion and Suggestions**
GÜÇYETER B.
Athens Journal of Architecture, vol.2, no.3, pp.237-255, 2016 (Peer-Reviewed Journal)
- III. **Beden konfor ve mekan üzerine**
GÜÇYETER B.
Betonart, no.35, 2013 (Non Peer-Reviewed Journal)
- IV. **Yapı Kabuğu Tasarımında Enerji Etkin Teknolojiler Üzerine Bir İnceleme**
GÜÇYETER B.
Ege Mimarlık, vol.3, no.82, pp.22-27, 2012 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **KENTSEL KAVRAM VE BAĞLAM ÜZERİNE TARTIŞMALAR: ANKARA, KENTSEL TASARIM STÜDYOSU**
Güçyeter B., Önal G.
in: Mimarlık Okullarında Tasarım Stüdyoları: Farklı Denemeler, Prof. Dr. Aysen Celen Ozturk, Editor, YEM YAYIN, İstanbul, pp.120-132, 2019
- II. **Conclusion**
SERTYEŞİLİŞİK B., AL SHAMMAA A., SOURANI A., MANEWA A., KOCHENDOERFER B., ROIGK M., GÜÇYETER B., GÜNAYDIN H. M., TABESH T., BRADY L., et al.
in: The Sustainable Built Environment Technical Managerial Legal and Economic Aspects, Begum Sertyesilisik,

Ahmed Al Shamma'a, Editor, PALGRAVE, pp.149-152, 2016

- III. **Cost Modeling for Sustainability**
KOCHENDOERFER B., ROIGK M., GÜÇYETER B., GÜNAYDIN H. M., TABESH T.
in: The Sustainable Built Environment Technical Managerial Legal and Economic Aspects, Begum Sertyesilisik, Ahmed Al Shamma'a, Editor, PALGRAVE, pp.29-42, 2016
- IV. **İzmir'xxde Greenpeace Türkiye Merkezi**
GÜÇYETER B., İŞBİLEN E.
in: CODEX 4 Mimarlık Kitaplığı, Levent Şentürk, Editor, Eskişehir Osmangazi Üniversitesi Basımevi, Eskişehir, pp.66-107, 2016
- V. **Introduction to the Sustainable Built Environment**
SERTYEŞİLİŞİK B., AL SHAMMAA A., SOURANI A., MANEWA A., KOCHENDOERFER B., ROIGK M., GÜÇYETER B., GÜNAYDIN H. M., TABESH T., BRADY L., et al.
in: The Sustainable Built Environment Technical Managerial Legal and Economic Aspects, Begum Sertyesilisik, Ahmed Al Shamma'a, Editor, PALGRAVE, pp.1-3, 2016
- VI. **GRC Facade Panels Used at Foster Partners'xx Masdar Institute Mimics the Patterns of the Desert Sand**
GÜÇYETER B.
in: Making of Architectural Objects, Cemal Emden, Başak Güçyeter, Editor, Mas Matbaası, İstanbul, pp.82-83, 2012
- VII. **Local Bamboo Defines a Sustainable Vision at Ibuku'xxs Green School**
GÜÇYETER B.
in: Making of Architectural Objects, Cemal Emden, Başak Güçyeter, Editor, Mas Matbaası, İstanbul, pp.20-21, 2012
- VIII. **Tadao Ando Makes Use of Inherent Qualities of Exposed Architectural Concrete in Fukutake Hall**
GÜÇYETER B.
in: Making of Architectural Objects, Cemal Emden, Başak Güçyeter, Editor, Mas Matbaası, İstanbul, pp.60-61, 2012
- IX. **Fluid Forms Achieved Through the Use of Thermoformed Glass in Zaha Hadid'xxs Nordpark Cable Railway**
GÜÇYETER B.
in: Making of Architectural Objects, Cemal Emden, Başak Güçyeter, Editor, Mas Matbaası, İstanbul, pp.192-193, 2012
- X. **Labics' Use of PMMA Provides Visual Access in Introducing New Functions to an Existing Building**
GÜÇYETER B.
in: Making of Architectural Objects, Cemal Emden, Başak Güçyeter, Editor, Mas Matbaası, İstanbul, pp.126-127, 2012
- XI. **Eisenman'xxs Use of Stone Reflects Culture Through Material in City of Culture of Galicia Arvhive and Library**
GÜÇYETER B.
in: Making of Architectural Objects, Cemal Emden, Başak Güçyeter, Editor, Mas Matbaası, İstanbul, pp.172-173, 2012
- XII. **Ancient Tile Revitalized in Kengo Kuma'xxs XinJin Zhi Museum**
GÜÇYETER B.
in: Making of Architectural Objects, Cemal Emden, Başak Güçyeter, Editor, Mas Matbaası, İstanbul, pp.218-219, 2012
- XIII. **Emphasis of Native Landscape via California Plants on Renzo Piano'xxs Living Roof**
GÜÇYETER B.
in: Making of Architectural Objects, Cemal Emden, Başak Güçyeter, Editor, Mas Matbaası, İstanbul, pp.104-105, 2012
- XIV. **Recycled Structural Steel Maintains an Environmental Approach in Arolat and Tabalıoğlu'xxs Zorlu Center**
GÜÇYETER B.
in: Making of Architectural Objects, Cemal Emden, Başak Güçyeter, Editor, Mas Matbaası, İstanbul, pp.144-145, 2012

- XV. **Dichromatic Coating Represents Northern Lights Scenery in Henning Larsen Architects'xx Reykjavik Concert Hall and Conference Center**
GÜÇYETER B.
in: Making of Architectural Objects, Cemal Emden, Başak Gücyeter, Editor, Mas Matbaası, İstanbul, pp.38-39, 2012

Refereed Congress / Symposium Publications in Proceedings

- I. **Optimizing Energy Use in Complex Buildings: A Thematic Analysis of Research Trends**
NİĞDELIOĞLU A., GÜÇYETER B.
LIVENARCH VIII - Livable Environments & Architecture, 8th International Congress - RE/DE/GENERATION(S) IN ARCHITECTURE, Trabzon, Turkey, 27 - 29 September 2023, vol.2, pp.603-618
- II. **OFİS BİNALARINDA ENERJİ TÜKETİMİNE YÖNELİK KULLANICI DAVRANIŞLARININ BELİRLENMESİ VE MODELLENMESİ: SİSTEMATİK İRDELEME**
GİRİŞEN S., GÜÇYETER B.
8. ULUSLARARASI MİMARLIK VE TASARIM KONGRESİ, İstanbul, Turkey, 26 November 2022
- III. **Mimaride Uyarlanabilirlik Stratejilerinin ve Stratejiler Arası İlişkilerin Ortaya Konması**
ÖZLER H., GÜÇYETER B.
12. Uluslararası Bilimsel Araştırmalar Kongresi, 17-18 Aralık 2021 Ankara (UBAK), Ankara, Turkey, 17 - 18 December 2021
- IV. **ADAPTABLE EDUCATION BUILDINGS FOR ALTERNATIVE INSTRUCTION APPROACHES: REVIEW AND SUGGESTIONS**
ÖZLER H., GÜÇYETER B.
LIVENARCH VI: Replacing Architecture / 6th International Congress September 25-28 / 2019 Trabzon - Turkey, Trabzon, Turkey, 25 September 2019, vol.1, pp.425-440
- V. **An Investigation of the Effects of Indoor Air Quality and Thermal Comfort in Eskisehir Osmangazi University Faculty of Architecture Classrooms**
GÜÇYETER B., ALPTEKİN O.
8th Annual International Conference on Architecture, 9 - 12 July 2018
- VI. **CALIBRATION OF A BUILDING ENERGY PERFORMANCE SIMULATION MODEL VIA MONITORING DATA**
GÜÇYETER B.
Building Performance Analysis Conference and SimBuild, Louisiana, United States Of America, 26 - 28 September 2018, pp.542-549
- VII. **Thermal Comfort in Public Buildings: A Field Study of Eskisehir Osmangazi University Faculty of Engineering and Architecture Deans Building**
ALPTEKİN O., GÜÇYETER B.
3rd International Conference on Environmental Science and Technology ICOEST 2017, Budapest, Hungary, 19 - 23 October 2017, pp.163
- VIII. **An Investigation of the Effect of Occupant Behaviour on Indoor Thermal Environment and Building Energy Performance Gap**
GÜÇYETER B., ALPTEKİN O.
Icoest 2017 - 3rd International Conference on Environmental Science and Technology, Budapest, Hungary, 19 - 23 October 2017, pp.112
- IX. **An Investigation of the Effect of Occupant Behavior on Indoor Thermal Environment and Building Energy Performance Gap**
GÜÇYETER B., ALPTEKİN O.
3rd International Conference on Environmental Science and Technology, ICOEST 2017, Budapest, Hungary, 19 - 23 October 2017, pp.112
- X. **Thermal Comfort in Public Building: A Field Study of Eskisehir Osmangazi University Faculty of Engineering and Architecture Dean's Building**
ALPTEKİN O., GÜÇYETER B.

Icoest 2017 - 3rd International Conference on Environmental Science and Technology, Budapest, Hungary, 19 - 23 October 2017, pp.163

- XI. **Enhancing the Transdisciplinary Perception of Sustainability Concepts in Architectural Education**
GÜÇYETER B.
7th Annual International Conference on Architecture, Atina, Greece, 3 - 06 July 2017, pp.42-43
- XII. **An Evidence Based Approach in Constructing a Sustainable Architecture Curriculum**
GÜÇYETER B.
International Conference Arquitectonica Network: Mind, Land and Society, Barcelona, Spain, 1 - 03 June 2016
- XIII. **An Evaluation of the Effect of Occupancy Profiles in Energy Performance Simulation**
GÜÇYETER B.
ARCHDESIGN'16, 3rd International Architectural Design Conference on Design and Nature, İstanbul, Turkey, 17 - 18 June 2016, pp.292-303
- XIV. **Building Energy Performance Gap Between Design and Operation A Systematic Review**
GÜÇYETER B.
ARCHDESIGN'16, 3rd International Architectural Design Conference on Design and Nature, İstanbul, Turkey, 17 - 18 June 2016, pp.376-388
- XV. **The Place of Sustainability in Architectural Education Discussion and Suggestions**
GÜÇYETER B.
5th Annual International Conference on Architecture, Atina, Greece, 6 - 09 July 2015
- XVI. **The Place of Sustainable Technologies in Architectural Education Discussion and Suggestions**
GÜÇYETER B.
5th Annual International Conference on Architecture, Atina, 6 - 09 July 2015
- XVII. **Optimization of an Envelope Retrofit Strategy Case Study for an Existing Office Building**
GÜÇYETER B.
Low Carbon Buildings and Communities in the Sustainable Built Environment British Council Researcher Links Programme Nottingham Trent University and Istanbul Technical University, İstanbul, Turkey, 23 - 26 February 2015, pp.18-26
- XVIII. **Prediction of Heating Energy Consumption of a Building with Artificial Neural Networks**
GÜÇYETER B., GÜNAYDIN H. M.
Clima 2010, 9 - 12 May 2010, pp.335
- XIX. **İYTE Kampüs Yerleşkesinde Binaların Enerji Performanslarının Karşılaştırılmalı Değerlendirilmesi Enerji Denetimi İle İlgili Öneriler**
GÜÇYETER B.
IX. Ulusal Tesisat Mühendisliği Kongresi, İzmir, Turkey, 6 - 09 May 2009, pp.477-493
- XX. **Thermal Effect of Orientation Differentiations in a University Building in Izmir Turkey**
GÜÇYETER B., Terim B., DURMUŞ ARSAN Z.
2nd Palenc, 28th AIVC Conference on Building Low Energy Cooling and Advanced Ventilation Technologies in the 21st Century, Girit, Greece, 27 - 29 September 2007, vol.1, pp.406-410
- XXI. **A research on energy efficient glass types for retrofitting applications in Turkey**
GÜÇYETER B., DURMUŞ ARSAN Z.
SET 2006 5th International Conference on Sustainable Energy Technologies, Vicenza, Italy, 30 August - 01 September 2006, vol.30, pp.147-152

Supported Projects

ALPTEKİN O., REYHAN K., GÜÇYETER B., Project Supported by Higher Education Institutions, Eskişehir Osmangazi Üniversitesi Dış Hastanesi Polikliniklerinde İç Ortam Hava Kalitesinin Belirlenmesi, 2016 - Continues
Öztürk A., Güçyeter B., Yetkin E., Ketizmen G., Technopark, ÜNİVERSİTE YERLEŞKELERİNDE YER ALAN TEKNOPARKLARIN SÜRDÜRÜLEBİLİRLİK VE YÜKSEK KULLANICI MEMNUNİYETİ KRİTERLERİYLE TASARLANMASINA YÖNELİK BİR MODEL ÖNERİŞİ: ESOĞU TEKNOPARK TASARIMI ÖRNEĞİ (TEKNOĞÜ), 2023 - 2024

GÜÇYETER B., ÜNVER H., ALPTEKİN O., Project Supported by Higher Education Institutions, Enerji Performans İyileştirmesinde Kullanılan Bina Enerji Modellerinin Kalibrasyonu: Bir Eğitim Yapısı Örneği, 2019 - 2022

GÜÇYETER B., ALPTEKİN O., REYHAN K., Project Supported by Higher Education Institutions, Kamu Yapılarında Enerji Etkin İyileştirme Önlemlerinin Optimizasyonu: Eskişehir Osmangazi Üniversitesi Mühendislik-Mimarlık Fakültesi Dekanlık Binası Alan Çalışması, 2015 - 2017

REYHAN K., GÜÇYETER B., ALPTEKİN O., Project Supported by Higher Education Institutions, Kamu Yapılarında Enerji Etkin İyileştirme Önlemlerinin Optimizasyonu Eskişehir Osmangazi Üniversitesi Mühendislik Mimarlık Fakültesi Dekanlık Binası Alan Çalışması, 2015 - 2017

GÜÇYETER B., Project Supported by Higher Education Institutions, İzmir Yüksek Teknoloji Enstitüsü Kampüs Yapılarının Enerji Verimliliğinin İzlenmesi ve İyileştirme Önerileri: Sağlık Kültür Spor Daire Başkanlığı Binası Alan Çalışması, 2009 - 2010

GÜÇYETER B., Project Supported by Higher Education Institutions, Kamu kullanımına açık binaların enerji-verimli hale dönüştürülmesi, 2007 - 2009

Activities in Scientific Journals

Frontiers in Built Environment, Committee Member, 2018 - Continues

Scientific Refereeing

Athens Journal of Architecture, Other Indexed Journal, November 2021

TUBITAK Project, 1005 - National New Ideas and Products Research Support Program, Gazi University, Turkey, July 2021

Journal of Architectural Engineering Technology (JAET) / Source-Work ID: f6b50e2d-1be1-4dc4-a26f-b27e10fe105f, Other Indexed Journal, June 2020

Journal Of Architectural Engineering Technology (JAET) / Source-Work ID: dd144cd8-2ec0-413e-acda-4b6b70ba347c, Other Indexed Journal, May 2020

Frontiers in Built Environment , Other Indexed Journal, May 2020

Frontiers in Built Environment, Other Indexed Journal, May 2020

ENERGY EFFICIENCY, SCI Journal, March 2020

ENERGY AND BUILDINGS, Journal Indexed in SCI-E, March 2020

Journal Of Architectural Engineering Technology (JAET) / Source-Work ID: 0b313b49-35ae-4fe3-9743-56d5773620dd, Other Indexed Journal, March 2020

ENERGY EFFICIENCY, SCI Journal, February 2020

ERGONOMİ DERGİSİ, National Scientific Refreed Journal, February 2020

Journal Of Architectural Engineering Technology (JAET) / Source-Work ID: 137a4857-a914-4593-b0f6-f38038f70194, Other Indexed Journal, January 2020

Frontiers in Built Environment, Other Indexed Journal, October 2019

Frontiers in Built Environment, Other Indexed Journal, September 2019

Metrics

Publication: 44

Citation (WoS): 88

Citation (Scopus): 84

H-Index (WoS): 3

H-Index (Scopus): 2

Non Academic Experience

RSG İç Mimarlık, Alsancak/İzmir

Tantürk Mimarlık, Alsancak/İzmir

Mehmet Çipoğlu Mimarlık, Alsancak/İzmir