

## Assoc. Prof. AYLİN ÖZODABAŞ

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: IYS-9442-2023

ScopusID: 55801798600

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### Education Information

Doctorate, Sakarya University, Faculty Of Engineering, Department Of Civil Engineering, Turkey 2007 - 2014

Postgraduate, Sakarya University, Institute Of Science, İnşaat Mühendisliği (Dr), Turkey 2003 - 2007

Undergraduate, Suleyman Demirel University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, Turkey 1995 - 2000

### Dissertations

Doctorate, ALKALİLERLE AKTİVE EDİLMİŞ YÜKSEK FIRINCÜRUFLU HARÇLARIN PERFORMANSININGELİŞTİRİLMESİ, Sakarya University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2014

### Research Areas

Building materials

### Academic and Administrative Experience

Usak University, 2016 - 2017

Usak University, 2015 - 2017

### Courses

SİNAN MİMARLIĞINDA YAPI STRÜKTÜRÜNÜN ANALİTİK İNCELENMESİ I, Doctorate, 2021 - 2022

TARİHİ YAPI MALZEMELERİNDE OLUŞAN BOZULMALAR VE KORUMA YÖNTEMLERİ, Postgraduate, 2021 - 2022, 2016 - 2017, 2015 - 2016

GELENEKSEL KONUT MİMARİSİ, Undergraduate, 2021 - 2022

SİNAN MİMARLIĞINDA YAPI STRÜKTÜRÜNÜN ANALİTİK İNCELENMESİ II, Doctorate, 2021 - 2022

TARİHİ YAPILAR VE YAPIM TEKNİKLERİ, Postgraduate, 2021 - 2022, 2016 - 2017, 2015 - 2016

TEKNİK RESİM, Undergraduate, 2021 - 2022, 2016 - 2017

YAPI BİLGİSİ, Undergraduate, 2021 - 2022

YAPI İŞLETMESİ, Undergraduate, 2021 - 2022  
Sürdürülebilir Yapı Teknolojileri ve Yapı Malzemeleri, Doctorate, 2021 - 2022  
TARİHİ ÇEVRE KORUMA VE RESTORASYON, Undergraduate, 2021 - 2022  
TARİHİ YAPILARDA GÜÇLENDİRME TEKNİKLERİ, Undergraduate, 2019 - 2020  
YAPILARIN DENEYSEL ANALİZİ, Undergraduate, 2017 - 2018  
TÜRK KONUT MİMARİSİ, Undergraduate, 2016 - 2017  
İNŞAAT MÜHENDİSLİĞİNDE TASARIM UYGULAMALARI, Undergraduate, 2016 - 2017  
BİLGİSAYAR DESTEKLİ TEKNİK RESİM, Undergraduate, 2015 - 2016  
STATİK, Undergraduate, 2015 - 2016, 2014 - 2015  
MALZEME, Undergraduate, 2015 - 2016  
MALZEME BİLİMİ, Undergraduate, 2014 - 2015  
YAPI STATİĞİ, Undergraduate, 2007 - 2008  
TEKNİK RESİM, Associate Degree, 2007 - 2008  
ŞANTİYE TEKNİKLERİ, Associate Degree, 2006 - 2007  
BETONARME, Undergraduate, 2006 - 2007  
KAGİR YAPILAR, Associate Degree, 2005 - 2006

### Advising Theses

ÖZODABAŞ A., Horasan harcnm özelliklerinin doğal lifler ve puzolonik malzemeler ile geliştirilmesi, Postgraduate, N.KÖSA(Student), 2022  
ÖZODABAŞ A., Muş ilinde bulunan tarihi köprüler ve tarihi murat köprüsünün yapısal değerlendirmesi, Postgraduate, C.ARTAN(Student), 2021

### Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Reinforcement of cementitious mortars with hemp fibers and shives**  
ÖZODABAŞ A.  
Open Chemistry, vol.21, no.1, 2023 (SCI-Expanded)
- II. **The ductility performance of concrete using glass fiber mesh in beam specimens**  
ÖZODABAŞ A.  
Applied Rheology, vol.33, no.1, 2023 (SCI-Expanded)
- III. **Improvement of the performance of alkali activated blast furnace slag mortars with very finely ground pumice**  
Özodabaş A., Yılmaz K.  
Construction and Building Materials, vol.48, pp.26-34, 2013 (SCI-Expanded)

### Articles Published in Other Journals

- I. **Mermer, Granit ve Kompozit Kuvars Mutfak Tezgâhlarının Teknik Özelliklerinin Karşılaştırılması**  
ÖZODABAŞ A., YILDIZ B., TAYÇU A.  
Uluslararası Mühendislik Araştırma ve Geliştirme Dergisi, vol.16, no.2, pp.813-831, 2024 (Peer-Reviewed Journal)
- II. **Increased Bending Strength in Beam Samples Using Waste Textile Fibers**  
ÖZODABAŞ A.  
Journal of Civil Engineering and Construction, vol.11, no.4, pp.228-238, 2022 (Peer-Reviewed Journal)
- III. **An Example from Mudanya Historical Houses: Examination of Reconstruction Works**  
ÖZODABAŞ A., KIOUTSOUK MOUSTAFA M.  
Journal of humanities and tourism research (Online), vol.11, no.3, pp.452-466, 2021 (Peer-Reviewed Journal)

- IV. **Determination of Stress and Deformation Zones of Historical Mus Murat Bridge**  
ÖZODABAŞ A., ARTAN C.  
Bilecik Şeyh Edebali Üniversitesi Fen Bilimleri Dergisi, vol.8, no.1, pp.413-429, 2021 (Peer-Reviewed Journal)
- V. **LIGHTWEIGHT NATURAL PUMICE COMPOSITES FOR REHABILITATION OF HISTORICAL BUILDINGS AND LANDSCAPE WORKS**  
ÖZODABAŞ A., KARAKURT C.  
Eskişehir Technical University Journal of Science and and Technology A- Applied Sciences and Engineering, vol.21, no.2, pp.269-281, 2020 (Peer-Reviewed Journal)
- VI. **A Historical Building Functioned As A Museum Bursa Umurbey Bath**  
ÖZODABAŞ A.  
Afyon Kocatepe Üniversitesi Uluslararası Mühendislik Teknolojileri ve Uygulamalı Bilimler Dergisi, vol.2, no.2, pp.66-73, 2019 (Peer-Reviewed Journal)
- VII. **INVESTIGATION OF THE EFFECT OF BASALT FIBER ON SELF-COMPACTING CONCRETE**  
ÖZODABAŞ A.  
INTERNATIONAL JOURNAL OF RESEARCH - GRANTHAALAYAH, vol.6, no.12, pp.38-45, 2018 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Design Process of Natural and Waste Fiber-Based Exterior Wall Insulation Panels**  
ÖZODABAŞ A., DEMİRAL N. Ç.  
in: Popular Approaches to Engineering, CENGİZ MEHMET SAİT, Editor, Duvar Kitabevi, pp.4-22, 2024
- II. **TARİHİ UŞAK EVLERİ**  
Özodabaş A.  
in: Markalaşma Vizyonuyla Uşak Kenti, Dilşen ONSEKİZ, Editor, Nobel Yayın Dağıtım, Ankara, pp.1-304, 2022

## Refereed Congress / Symposium Publications in Proceedings

- I. **OSMANELİ AYA YORGİ KİLİSESİ İÇİN ALTERNATİF RESTORASYON ÖNERİLERİ**  
Özodabaş A.  
3. BİLSEL ULUSLARARASI SÜMELA BİLİMSEL ARAŞTIRMALAR KONGRESİ, Trabzon, Turkey, 6 - 07 April 2024, pp.1-15
- II. **Problems in the Construction Industry and Alternative Solutions**  
Özodabaş A.  
4. ULUSLARARASI EGE BİLİMSEL ARAŞTIRMALAR SEMPOZYUMU, İzmir, Turkey, 16 - 17 March 2024
- III. **Ahşap Çerçeve Tasarımlarının Günümüz Yapılarına Modifiye Edilmesi**  
Özodabaş A.  
4th International Symposium of Engineering Applications on Civil Engineering and Earth Sciences 2023, Karabük, Turkey, 31 May - 02 June 2023, pp.247-260
- IV. **THE EFFECT OF ORGANIC ADDITIVES ON THE PROPERTIES OF HORASAN MORTAR**  
ÖZODABAŞ A., KÖSA N.  
1st International Conference on Engineering and Applied Natural Sciences, Konya, Turkey, 10 - 12 May 2022, pp.1281-1288
- V. **YÜKSEK FIRIN CÜRUFU VE SÖNMÜŞ KİREÇ İLE ELDE EDİLEN PONZALI DUVAR ELEMANLARININ SIR İLE KAPLANMASI**  
ÖZODABAŞ A.  
INTERNATIONAL AEGEAN SCIENTIFIC RESEARCH SYMPOSIUM 2021, ONLINE, Turkey, 25 December 2021
- VI. **Synergistic Effect of Inert Filler Materials Used in Non-Cementitious Mortars**  
ÖZODABAŞ A.

INTERNATIONAL AEGEAN SCIENTIFIC RESEARCH SYMPOSIUM 2021, ONLINE, Turkey, 25 December 2021

- VII. **Investigation of Reconstruction Works of Historical Houses In Mudanya**  
ÖZODABAŞ A., KIOUTSOUK MOUSTAFA M.  
2. Turizmde Mimarlık ve Kültürel Miras Kongresi, Karabük, Turkey, 24 June 2021
- VIII. **Examination of Traditional Turkish Houses Osmaneli Houses as an Example**  
ÖZODABAŞ A.  
4 th International Conference on Engineering Technology and Applied Sciences, KİEV, Ukraine, 24 - 28 April 2019
- IX. **Historical Umurbey Turkish Bath Restoration Works And Functioning As A Museum**  
ÖZODABAŞ A., KIOUTSOUK M.  
5. TH INTERNATIONAL CONFERENCE ON COMPUTATIONAL AND EXPERIMENTAL SCIENCE AND ENGINEERING, Antalya, Turkey, 12 - 16 October 2018
- X. **OSMANELİ EVLERİNİN RESTORASYON ÇALIŞMALARI İLE İLGİLİ ÖRNEKLERİN İNCELENMESİ**  
ÖZODABAŞ A.  
I. ULUSLARARASI MİMARLIK SEMPOZYUMU, Diyarbakır, Turkey, 4 - 06 October 2018
- XI. **The History of Gediz Houses, Survey Work, and Restoration Projects**  
Özodabaş A., Onsekiz D.  
6 th International Conference on Heritage and Sustainable Development, Granada, Spain, 12 - 15 June 2018
- XII. **HISTORICAL GEDIZ HOUSES STRUCTURAL ANALYSIS OF THE BUILDING AND AN EXAMPLE OF THE RESTORATION WORK**  
Özodabaş A., Yüksel T.  
II. INTERNATIONAL CONFERENCE ON ENGINEERING TECHNOLOGY AND INNOVATION, Budapest, Hungary, 7 - 11 March 2018
- XIII. **Gazi Primary School Status After Fire, An Investigation On Performed Restoration And Reconstruction Works**  
ÖZODABAŞ A., ALP Ü.  
IASTEM INTERNATIONAL CONFERENCE ON CIVIL ARCHITECTURAL ENGINEERING, BARCELONA, Spain, 24 - 25 July 2017, pp.1-6
- XIV. **Bulak Houses**  
ÖZODABAŞ A.  
Cracow Landscape Conference 2016, 29 - 01 July 2016
- XV. **Performance improving of alkali activated blast furnace slag mortars with tile dust**  
Özodabaş A., Yılmaz K.  
The Third International Conference on Advances in Civil, Structural and Environmental Engineering - ACSEE 2015", Zürich, Switzerland, 10 - 11 October 2015
- XVI. **Bulak Köyü Geleneksel Türk Evlerinin Rölöve Çizimleri İle Mimari Yapısının İncelenmesi Üzerine Bir Çalışma**  
ÖZODABAŞ A.  
5. TARİHİ ESERLERİN GÜÇLENDİRİLMESİ VE GELECEĞE GÜVENLE DEVREDİLMESİ SEMPOZYUMU, Erzurum, Turkey, 1 - 03 October 2015

## Supported Projects

Özodabaş A., Yıldız B., Tayçu A., TUBITAK Project, Kuvars tane boyut ve farklı atıkların kuvars mutfak tezgâhları üzerindeki etkisinin araştırılması; çift tabakalı kompozit tezgahların geliştirilmesi, 2023 - 2024

Özodabaş A., Project Supported by Higher Education Institutions, ÇİMENTOLU HARÇLARA ALTERNATİF GEOPOLİMER HORASAN HARÇLARIN ÜRETİLMESİ, 2022 - 2023

URAL N., ÖZODABAŞ A., Project Supported by Higher Education Institutions, POMZA VE YÜKSEK FIRIN CÜRUF İÇERİĞİ İLE ÜRETİLEN KİREÇ BAZLI NUMUNELERİN FARKLI KARIŞIM ORANLARINDA DAYANIM DEĞERLERİNİN BELİRLENMESİ, 2018 - 2019

## Scientific Refereeing

Osmaniye Korkut Ata Üniversitesi Fen Bilimleri Enstitüsü Dergisi (Online), National Scientific Refreed Journal, November 2023

JOURNAL OF ARCHITECTURAL SCIENCES AND APPLICATIONS, National Scientific Refreed Journal, November 2023

Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, National Scientific Refreed Journal, June 2023

Bitlis Eren Üniversitesi Fen Bilimleri Dergisi, National Scientific Refreed Journal, June 2023

Bilecik Şeyh Edebali Üniversitesi Fen Bilimleri Dergisi, National Scientific Refreed Journal, June 2023

Osmaniye Korkut Ata Üniversitesi Fen Bilimleri Enstitüsü Dergisi (Online), National Scientific Refreed Journal, June 2023

Uludağ Üniversitesi Mühendislik Fakültesi Dergisi, National Scientific Refreed Journal, April 2023

Osmaniye Korkut Ata Üniversitesi Fen Bilimleri Enstitüsü Dergisi (Online), National Scientific Refreed Journal, December 2022

PERIODICA POLYTECHNICA. CIVIL ENGINEERING, SCI Journal, November 2022

Journal of Innovative Science and Engineering (JISE), National Scientific Refreed Journal, September 2022

GAZI UNIVERSITY JOURNAL OF SCIENCE, National Scientific Refreed Journal, June 2022

Eskişehir Osmangazi Üniversitesi mühendislik ve mimarlık fakültesi dergisi (online), National Scientific Refreed Journal, October 2021

Bilecik Şeyh Edebali Üniversitesi Fen Bilimleri Dergisi, National Scientific Refreed Journal, July 2021

Bilecik Şeyh Edebali Üniversitesi Fen Bilimleri Dergisi, National Scientific Refreed Journal, May 2021

Bilecik Şeyh Edebali Üniversitesi Fen Bilimleri Dergisi, National Scientific Refreed Journal, December 2020

Bilecik Şeyh Edebali Üniversitesi Fen Bilimleri Dergisi, National Scientific Refreed Journal, July 2020

Bilecik Şeyh Edebali Üniversitesi Fen Bilimleri Dergisi, National Scientific Refreed Journal, July 2020

SAKARYA UNIVERSITY JOURNAL OF SCIENCE, National Scientific Refreed Journal, June 2020

## Awards

Özodabaş A., Bilimsel/Sanatsal Etkinliklere Katılımı Destekleme , Tübitak 2214A, June 2019