

## Asst. Prof. ANIL ÖZDEMİR

### Personal Information

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### International Researcher IDs

ScholarID: XjWMOwoAAAAJ

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Publons / Web Of Science ResearcherID: AEP-8116-2022

ScopusID: 57192110243

Yoksis Researcher ID: 198933

### Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, -, Turkey 2016 - 2020

Postgraduate, Ege University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği (YI) (Tezli), Turkey 2013 - 2015

Undergraduate, Anadolu University, Faculty Of Economics, Department Of Economics, Turkey 2008 - 2014

Undergraduate, Kocaeli University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, Turkey 2007 - 2012

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, HASAR GÖRMÜŞ BOŞLUKLU PERDELERİN ONARILMA POTANSİYELİNİN DENEYSEL OLARAK ARAŞTIRILMASI, Gazi University, Fen Bilimleri Enstitüsü, -, 2020

Postgraduate, Hasarlı Betonarme Kolonların Mantolama Yöntemiyle Güçlendirilmesi ve Akustik Emisyon Yöntemiyle Deneysel Analizi, Ege University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği (YI) (Tezli), 2015

### Research Areas

Mechanical, Structure

### Academic Titles / Tasks

Researcher, University of Oxford, Department of Engineering Science, 2022 - Continues

Research Assistant PhD, Gazi University, Teknoloji Fakültesi, İnşaat Mühendisliği, 2014 - Continues

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

- I. **Determination of mechanical properties of concrete and steel materials taken from buildings in Antakya after the Kahramanmaraş , earthquakes**  
BOZDOĞAN Ö., Erdag A., ÖZDEMİR A.  
CASE STUDIES IN CONSTRUCTION MATERIALS, vol.21, 2024 (SCI-Expanded)
- II. **Damage to monumental masonry buildings in Hatay and Osmaniye following the 2023 Turkey earthquake sequence: The role of wall geometry, construction quality, and material properties**  
BOZYİĞİT B., ÖZDEMİR A., Donmez K., Dalgic K. D., Durgut E., Yesilyurt C., Dizgin Y., Yildeniz C., İspir Arslan M., Bedirhanoglu I., et al.  
Earthquake Spectra, vol.40, no.3, pp.1870-1904, 2024 (SCI-Expanded)
- III. **Experimental investigation of RC shear walls with openings under cyclic loading repaired with externally bonded CFRP strips**  
ÖZDEMİR A., KOPRAMAN Y.  
Archives of Civil and Mechanical Engineering, vol.24, no.1, 2024 (SCI-Expanded)
- IV. **Examining the Effect of Structural Characteristics of Antakya Building Stock on the Damage Level After the Kahramanmaraş Earthquakes**  
ÖZDEMİR A.  
Journal of Earthquake Engineering, 2024 (SCI-Expanded)
- V. **Prediction of capacity of reinforced concrete shear wall with multiple openings by using nonlinear finite element analysis**  
Erbaş Y., Anil Ö., Özdemir A., Kopraman Y.  
STRUCTURAL CONCRETE, vol.24, no.1, pp.680-702, 2023 (SCI-Expanded)
- VI. **Strength, ductility, and energy dissipation capacity of RC column strengthened with CFRP strip under axial load**  
Mercimek Ö., Ghoroubi R., Anil Ö., Çakmak C., Özdemir A., Kopraman Y.  
MECHANICS BASED DESIGN OF STRUCTURES AND MACHINES, vol.51, no.2, 2023 (SCI-Expanded)
- VII. **Experimental investigation of hysteretic behaviour of non-structural dry gypsum infill walls**  
Çakmak C., Kopraman Y., Özdemir A., Anil Ö., Gökdemir A.  
Proceedings of the Institution of Civil Engineers: Structures and Buildings, vol.175, no.10, pp.765-780, 2022 (SCI-Expanded)
- VIII. **Experimental investigation of bond-slip behavior of between-anchored steel strips to concrete surface**  
KOPRAMAN Y., Ozdemir A., ANIL Ö., Sakin S., Arman F.  
ARCHIVES OF CIVIL AND MECHANICAL ENGINEERING, vol.22, no.4, 2022 (SCI-Expanded)
- IX. **Punching behaviour of two-way RC slabs having different multiple opening locations and sizes strengthened with TRM**  
Mercimek Ö., Ghoroubi R., Özdemir A., Anil Ö., Baran M.  
Structures, vol.42, pp.531-549, 2022 (SCI-Expanded)
- X. **Investigation of strengthened low slenderness RC column by using textile reinforced mortar strip under axial load**  
Mercimek Ö., Ghoroubi R., Özdemir A., Anil Ö., Erbaş Y.  
ENGINEERING STRUCTURES, vol.259, 2022 (SCI-Expanded)
- XI. **Hysteretic behavior of retrofitted RC shear wall with different damage levels by using steel strips**  
Özdemir A., Kopraman Y., Anil Ö.  
JOURNAL OF BUILDING ENGINEERING, vol.44, 2021 (SCI-Expanded)
- XII. **Hysteretic load behavior of pre-casted reinforced concrete shear wall systems with high thermal resistance capability**  
Kebeli Y. E., ÖZDEMİR A., ÇAKMAK C., KOPRAMAN Y., ANIL Ö., Tapan M.  
STRUCTURAL CONCRETE, vol.22, pp.3042-3056, 2021 (SCI-Expanded)
- XIII. **Experimental investigation of damaged square short RC columns with low slenderness retrofitted by CFRP strips under axial load**  
Ghoroubi R., MERCİMEK Ö., ÖZDEMİR A., ANIL Ö.

## Articles Published in Other Journals

- I. **EXAMINATION OF THE RELATIONSHIP BETWEEN THE LOCATION OF WIND PLANTS AND THE EARTHQUAKE RISK: CASE STUDY TÜRKİYE**  
ÖZDEMİR A., PINARLIK M.  
Gazi Üniversitesi Fen Bilimleri Dergisi Part C: Tasarım ve Teknoloji, vol.11, no.4, pp.1055-1067, 2023 (Peer-Reviewed Journal)
- II. **Strengthening of Columns with Different Innovative Composite Materials for RC Buildings without Sufficient Earthquake Resistance**  
Mercimek Ö., Ghoroubi R., Özdemir A., Anıl Ö.  
JOURNAL OF POLYTECHNIC-POLİTEKNİK DERGISİ, vol.25, no.4, pp.1463-1473, 2022 (ESCI)
- III. **Analysis of Offshore Wind Turbine Towers with Different Designs by Finite Elements Method**  
Yiğit M. E., Özdemir A., Şermet F., Pınarlık M.  
International Journal of Advanced Research in Engineering, vol.4, no.3, pp.1, 2018 (Peer-Reviewed Journal)
- IV. **Research On The Shear Behaviour Of Masonry Walls Strengthened With Steel Members**  
KOPRAMAN Y., Ozmen R. E., ÖZDEMİR A., ÖZGEDİK A.  
JOURNAL OF POLYTECHNIC-POLİTEKNİK DERGISİ, vol.21, no.2, pp.471-476, 2018 (ESCI)
- V. **Sürdürülebilir Binalar İçin Dünyada Uygulanan Devlet Teşvikleri ve Uygulamaların İncelenmesi**  
Özdemir A., Pınarlık M., Ercan E.  
TÜBAV Bilim Dergisi, vol.10, no.1, pp.52-60, 2017 (Peer-Reviewed Journal)
- VI. **Mantolama Yöntemiyle Güçlendirilmiş Betonarme Kolonların Akustik Emisyon Yöntemiyle Analizi**  
ÖZDEMİR A., ERCAN E.  
Politeknik Dergisi, vol.20, no.1, pp.17-23, 2017 (Peer-Reviewed Journal)
- VII. **Acoustic Emission Analysis Method of Reinforced Concrete Column with the Jacketing Methods**  
ÖZDEMİR A., ERCAN E.  
JOURNAL OF POLYTECHNIC-POLİTEKNİK DERGISİ, vol.20, no.1, pp.17-23, 2017 (ESCI)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Preliminary Experimental Investigation on Mechanical Properties of Historical Fibrous Plaster**  
Zuo J., Mayfield S., Özdemir A., Marrow T. J., Sheil B., Açıkgöz S.  
13th International Conference on Structural Analysis of Historical Constructions , Kyoto, Japan, 12 - 15 September 2023, pp.283-295
- II. **Determining the Young's Modulus of Lime Mortar Using the Virtual Fields Method**  
Sangirardi M., Judd M. R. W., Özdemir A., Açıkgöz S.  
13th International Conference on Structural Analysis of Historical Constructions, Kyoto, Japan, 12 - 15 September 2023, pp.423-435
- III. **AKŞEHİR GAZİ MUSTAFA KEMAL İLKOKULU BİNASI (PAPAZ EVİ) YAPI MALZEME ANALİZİ İLE RESTORASYON ÖNERİSİ**  
BÜLBÜL R., ÖZDEMİR A., GÖKDEMİR A., KOPRAMAN Y., İLGİN M., İLGİN M.  
KORKUT ATA BİLİMSEL ARAŞTIRMALAR KONGRESİ, Osmaniye, Turkey, 28 - 30 June 2022, pp.350-355
- IV. **Investigation of Shear Deficient RC Beams Repaired with FRP Strips**  
Koprman Y., Özdemir A., Kaya N.  
ACE 2020-2021 14th INTERNATIONAL CONGRESS ON ADVANCES IN CIVIL ENGINEERING, İstanbul, Turkey, 6 - 08 September 2021, pp.1214-1220
- V. **Strengthening of Columns with Different Innovative Composite Materials for RC Buildings without Sufficient Earthquake Resistance**

Mercimek Ö., Ghoroubi R., Özdemir A., Anıl Ö.

International Conference on Advanced Materials Science & Engineering and High Tech Devices Applications, Ankara, Turkey, 2 - 04 October 2020, pp.1-10

- VI. **Experimental Investigation of Shear Stress Slip Displacement Behaviour of Between Anchored Steel Strip to Concrete Surface**  
Armakan F., ÖZDEMİR A., KOPRAMAN Y., ANIL Ö.  
2nd International Turkish World Engineering and Science Congress, 7 - 10 November 2019
- VII. **Evaluation of Tensile Strength of Different Mortar and Adhesive Specimens Used in Masonry Wall Construction**  
Kopraman Y., Çakmak C., Özdemir A.  
4rd International Sustainable Buildings Symposium - ISBS 2019, Texas, United States Of America, 18 - 20 July 2019, pp.697-707
- VIII. **ANALYSIS OF OFFSHORE WIND TURBINE TOWERS WITH DIFFERENT DESIGNS BY FINITE ELEMENTS METHOD**  
YİĞİT M. E., ÖZDEMİR A., ŞERMET F., PINARLIK M.  
9th International Conference on Engineering, Technology, Management and Science - ICETMS 2018, 1 - 02 July 2018
- IX. **Dynamic Analysis of a Reinforced-Concrete Post Tensioned Wind Turbine Tower**  
ERCAN E., HÖKELEKLİ E., ÖZDEMİR A.  
3rd International Sustainable Buildings Symposium (ISBS), U ARAB EMIRATES, 15 - 17 March 2017, vol.6, pp.674-688
- X. **Analysis of Strengthened Composite Beams Under Flexural Stress**  
ERCAN E., ARISOY B., DEMİR A., ÖZDEMİR A.  
3rd International Sustainable Buildings Symposium (ISBS), U ARAB EMIRATES, 15 - 17 March 2017, vol.7, pp.506-518
- XI. **Comparison of Dry Gypsum Wall Systems in Scope of National and International Standard and Codes**  
Kopraman Y., Özdemir A., Çakmak C.  
I. Uluslararası Türk Dünyası Mühendislik ve Fen Bilimleri Kongresi, Antalya, Turkey, 7 - 10 December 2017, pp.457-462
- XII. **TAŞIYICI OLMAYAN KURU ALÇI DUVAR SİSTEMLERİNİN DEPREM PERFORMANSLARININ DENEYSEL OLARAK İNCELENMESİ**  
KOPRAMAN Y., ÖZDEMİR A., ANIL Ö.  
4. Uluslararası Deprem Mühendisliği ve Sismoloji Konferansı - UDMSK, Turkey, 11 - 13 October 2017
- XIII. **STATIC ANALYSIS OF DIFFERENT TYPE OF WIND TURBINE TOWERS**  
Özdemir A., Şermet F., Yiğit M. E., Arısoy B., Ercan E.  
The International Conference On Wind Energy Harvesting 2017 - WINERCOST 2017, Coimbra, Portugal, 20 - 21 April 2017, pp.206-210
- XIV. **SİSMİK YÜKLER ALTINDA KAZIKLI ve BLOK TİPİ RIHTIM YAPISININ DAVRANIŞININ İRDELENMESİ**  
ÖZTÜRK KARDOĞAN P. S., PINARLIK M., ÖZDEMİR A., KILIÇ DEMİRCAN R.  
1st International Mediterranean Science and Engineering Congress - IMSEC 2016, Adana, Turkey, 26 - 28 October 2016, pp.759-766
- XV. **BOŞLUK BARINDIRAN TAŞIYICI VE DOLGU DUVARLARIN DÜZLEM İÇİ DAVRANIŞININ İRDELENMESİ**  
KOPRAMAN Y., ÖZDEMİR A.  
1st International Mediterranean Science and Engineering Congress - IMSEC 2016, Adana, Turkey, 26 - 28 October 2016, pp.794-799
- XVI. **TARİHİ YAPILARIN SÜRDÜRÜLEBİLİRLİĞİ KAPSAMINDA TAŞIMA YÖNTEMLERİNİN İRDELENMESİ**  
KILIÇ DEMİRCAN R., ÖZDEMİR A., ÖZTÜRK KARDOĞAN P. S., PINARLIK M.  
1st International Mediterranean Science and Engineering Congress - IMSEC 2016, Adana, Turkey, 26 - 28 October 2016, pp.800-808
- XVII. **ACOUSTIC EMISSION ANALYSIS OF DAMAGED REINFORCED CONCRETE COLUMNS STRENGTHENING BY JACKETING METHOD**

ÖZDEMİR A., ERCAN E.

1st International Mediterranean Science and Engineering Congress - IMSEC 2016, Adana, Turkey, 26 - 28 October 2016, pp.809-819

**XVIII. INVESTIGATION OF PUNCHING BEHAVIOR OF STEEL AND POLYPROPYLENE FIBRE REINFORCED CONCRETE SLABS UNDER CYCLIC LOADS**

ŞERMET F., ÖZDEMİR A.

International Congress on Natural and Engineering Sciences - ICNES 2016, Üsküp, Macedonia, 1 - 05 October 2016

**XIX. Investigation of Punching Behaviour of Steel and Polypropylene Fibre Reinforced Concrete Slabs Under Normal Load**

Seiniet F., ÖZDEMİR A.

World Multidisciplinary Civil Engineering-Architecture-Urban Planning Symposium (WMCAUS), Prague, Czech Republic, 13 - 17 June 2016, vol.161, pp.458-465

**XX. DÜNYADA SÜRDÜRÜLEBİLİR YAPILARLA İLGİLİ DEVLET TEŞVİKLERİ VE UYGULAMALARININ İNCELENMESİ**

ÖZDEMİR A., PINARLIK M., ERCAN E.

2nd International Sustainable Buildings Symposium - ISBS 2015, Ankara, Turkey, 28 - 30 May 2015

## Supported Projects

GÖKDEMİR A., BÜLBÜL R., ÖZDEMİR A., İLGİN M. F., KOPRAMAN Y., Project Supported by Higher Education Institutions, AKŞEHİR MUSTAFA KEMAL İLKOKULUNDA KULLANILAN TAŞ TUĞLA HARÇ VE AHŞAP MALZEMELERİN MEKANİK ÖZELLİKLERİNİN İNCELENMESİ VE RESTORASYON UYGULAMALARINDA YENİ ONARIM METODUNUN GELİŞTİRİLMESİ, 2021 - 2022

Anil Ö., Koprman Y., TÜBİTAK Project, EŞ/DIŞ MERKEZLİ ÇEKME ETKİSİNDEKİ BETON-ÇELİK YAPIŞMA ARAYÜZEYİNİN DENEYSEL OLARAK İNCELENMESİ, 2020 - 2021

Kaya N., Özdemir A., Koprman Y., Project Supported by Higher Education Institutions, Investigation Of Shear Deficient Reinforced Concrete Beams Repaired With FRP Strips, 2019 - 2021

Koprman Y., Özdemir A., Project Supported by Higher Education Institutions, HASAR GÖRMÜŞ BOŞLUKLU PERDELERİN ONARILMA POTANSİYELİNİN DENEYSEL OLARAK ARAŞTIRILMASI, 2019 - 2021

Özdemir A., Çakmak C., Koprman Y., Project Supported by Higher Education Institutions, MODERN VE GELENEKSEL BÖLME DUVAR ELEMANLARININ MALZEME ÖZELLİKLERİNİN DENEYSEL OLARAK ARAŞTIRILMASI, 2018 - 2019

Gökdemir A., Erdal M., Büyükkaragöz A., Yıldız K., Koprman Y., Şimşek O., Işık N. S., Özdemir A., Fırat S., Project Supported by Higher Education Institutions, İNŞAAT MÜHENDİSLİĞİNDE UYGULAMALI EĞİTİME YÖNELİK ALTYAPI ve LABORATUVAR İMKANLARININ GELİŞTİRİLMESİ, 2015 - 2017

## Metrics

Publication: 40

Citation (WoS): 63

Citation (Scopus): 74

H-Index (WoS): 5

H-Index (Scopus): 6

## Non Academic Experience

YDA İnşaat Sanayi ve Ticaret A.Ş.