

Asst. Prof. HAKAN ERDOĞAN



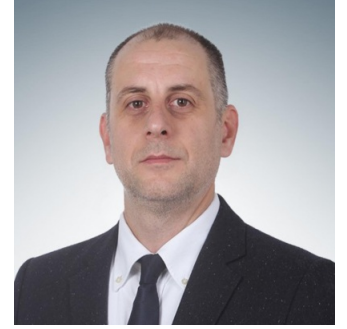
## Personal Information

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## International Researcher IDs

ScholarID: 7AjsiZEAAAJ&hl=tr

ORCID: 0000-0002-7241-7652

Publons / Web Of Science ResearcherID: F-5961-2018

ScopusID: 55658451400

Yoksis Researcher ID: 178802

## Education Information

Doctorate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, İnşaat Mühendisliği (Dr), Turkey 2002 - 2010

Undergraduate, Kocaeli University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, Turkey 1998 - 2002

## Dissertations

Doctorate, Improvement of punching strength of flat plates by using carbon fiber reinforced polymer (CFRP) dowels [Düz döşemelerin zımbalama dayanımının karbon fiber takviyeli polimer (CFRP) dübeller kullanılarak iyileştirilmesi], Kocaeli Üniversitesi, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği, 2010

## Research Areas

Civil Engineering, Structure, Structural Engineering, Performance of Constructed Facilities, Concrete Structures, Repair and Strengthening in Buildings, Engineering and Technology

## Academic Titles / Tasks

Assistant Professor, Kocaeli University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2018 - Continues

Assistant Professor, Kocaeli University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2014 - 2018

Research Assistant, Kocaeli University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2011 - 2014

Research Assistant, Middle East Technical University, Faculty Of Engineering, Department Of Civil Engineering, 2002 - 2010

Researcher, Florida International University, Engineering Center, Civil Engineering, 2008 - 2009

## Academic and Administrative Experience

Erasmus Program Department Coordinator, Kocaeli University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2016 - Continues

Deputy Head of Department, Kocaeli University, İnşaat Mühendisliği Bölümü, 2014 - 2020

## Courses

Reinforced Concrete I, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015

Bitirme Çalışması, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015

Yapılarda Hasar ve Onarım-Güçlendirmeye Giriş, Undergraduate, 2023 - 2024, 2016 - 2017, 2015 - 2016

Betonarme Elemanlarda Hesap Modelleri, Postgraduate, 2023 - 2024, 2022 - 2023

İnşaat Mühendisliğinde İş Sağlığı Güvenliği II, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021

Türk Deprem Yönetmeliği ve Yapı Dinamiği, Postgraduate, 2023 - 2024, 2021 - 2022, 2020 - 2021

İleri Betonarme, Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021

Sayısal Çözümleme, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015

Betonarme II, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015

Depreme Dayanıklı Yapı Tasarımı, Postgraduate, 2022 - 2023, 2021 - 2022

Mesleki Yabancı Dil, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016

Betonarme Proje, Undergraduate, 2020 - 2021, 2019 - 2020, 2014 - 2015

Yapıların Onarım ve Güçlendirilmesi, Postgraduate, 2019 - 2020, 2015 - 2016

Şantiyede İş Güvenliği, Undergraduate, 2020 - 2021

İş Hayatına Hazırlık, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018

Mühendislikte Kısmi Diferansiyel Denklemler, Undergraduate, 2018 - 2019

Performansa Dayalı Tasarım, Postgraduate, 2018 - 2019

Adi Diferansiyel Denklemlerin Nümerik Çözümleri, Undergraduate, 2019 - 2020

Yapı Dinamiği, Undergraduate, 2017 - 2018

İnşaat Mühendisliğinde Özel Konular II, Postgraduate, 2016 - 2017

İnşaat Mühendisliğinde Özel Konular I, Postgraduate, 2017 - 2018, 2016 - 2017

İnşaat Mühendisliğine Giriş, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015

Çelik Yapılar, Undergraduate, 2016 - 2017

Yapı Mühendisliğinde Deneysel Yöntemler, Postgraduate, 2014 - 2015

Mühendislik Mekaniği II, Undergraduate, 2014 - 2015

Doğrusal Olmayan Yapı Analizi, Postgraduate, 2014 - 2015

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

- I. **Strain-Based Grid Beam Model for Predicting Punching Failure of Slab-Column Connections**  
ERDOĞAN H.  
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.49, no.4, pp.6007-6026, 2024 (SCI-Expanded)
- II. **Seismic Performance Assessment of RC Buildings Reinforced with Plain Rebars**  
ÖZCAN O., ERDOĞAN H.  
JOURNAL OF PERFORMANCE OF CONSTRUCTED FACILITIES, vol.36, no.2, 2022 (SCI-Expanded)
- III. **Seismic Performance and Retrofit Evaluation of an Existing Pile-Wharf Structure**  
ERDOĞAN H., DORAN B., SEÇKİN A., AKBAS B., ÇELİKOĞLU Y., BOSTAN T.  
JOURNAL OF PERFORMANCE OF CONSTRUCTED FACILITIES, vol.31, no.6, 2017 (SCI-Expanded)

- IV. **Shear strengthening of reinforced concrete T-beams with fully or partially bonded fibre-reinforced polymer composites**  
Ozden S., Atalay H., AKPINAR E., ERDOĞAN H., Vulas Y. Z.  
STRUCTURAL CONCRETE, vol.15, no.2, pp.229-239, 2014 (SCI-Expanded)
- V. **Performance of precast concrete structures in October 2011 Van earthquake, Turkey**  
Ozden S., AKPINAR E., ERDOĞAN H., Atalay H.  
MAGAZINE OF CONCRETE RESEARCH, vol.66, no.11, pp.543-552, 2014 (SCI-Expanded)
- VI. **Effectiveness of Externally Applied CFRP Stirrups for Rehabilitation of Slab-Column Connections**  
ERDOĞAN H., ZOHREVAND P., Mirmiran A.  
JOURNAL OF COMPOSITES FOR CONSTRUCTION, vol.17, no.6, 2013 (SCI-Expanded)
- VII. **Stability Analysis of Two-Segment Stepped Columns with Different End Conditions and Internal Axial Loads**  
Pinarbasi S., Okay F., AKPINAR E., ERDOĞAN H.  
MATHEMATICAL PROBLEMS IN ENGINEERING, 2013 (SCI-Expanded)
- VIII. **Effect of column rectangularity on CFRP-strengthened RC flat plates**  
ERDOĞAN H., BİNİCİ B., Ozcebe G.  
MAGAZINE OF CONCRETE RESEARCH, vol.63, no.7, pp.511-525, 2011 (SCI-Expanded)
- IX. **Punching shear strengthening of flat-slabs with CFRP dowels**  
ERDOĞAN H., BİNİCİ B., OZCEBE G.  
MAGAZINE OF CONCRETE RESEARCH, vol.62, no.7, pp.465-478, 2010 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Effect of Pylon Shapes on Seismic Response of a Long-Span Steel Box-Girder Cable-Stayed Bridge**  
Sonjoh N. C., Erdoğan H.  
Kocaeli Journal of Science and Engineering, vol.4, no.2, pp.120-127, 2021 (Peer-Reviewed Journal)
- II. **Semi-Analytical and Finite Element Investigations of the Vibration of a Stepped Beam on an Elastic Foundation**  
Erdoğan H., Coşkun S. B.  
Sakarya University Journal of Science, vol.24, no.6, pp.1321-1328, 2020 (Peer-Reviewed Journal)
- III. **Kısmen Elastik Zemin Üzerindeki Kiriş Titreşiminin Yarı Analitik ve Nümerik Yöntemler ile İncelenmesi**  
Erdoğan H., Coşkun S. B.  
Journal of the Institute of Science and Technology, vol.10, no.4, pp.2679-2691, 2020 (Peer-Reviewed Journal)
- IV. **Çelik ve Yüksek Yoğunluklu Polietilen Makro Lif Takviyeli Betonların Kırılma Davranışları**  
SERTKAYA S., ERDOĞAN H., OZALP F., AKÇAY ALDANMAZ B.  
HAZIR BETON DERGİSİ, vol.146, pp.75-79, 2018 (Peer-Reviewed Journal)
- V. **Performance of FRP-retrofitted concrete bridge columns under blast loading**  
Zheng R., Zohrevand P., ERDOĞAN H., Mirmiran A.  
International Journal of Computational Methods and Experimental Measurements, vol.2, no.4, pp.346-361, 2014 (Scopus)
- VI. **Punching Shear Behavior under Sustained Load**  
ÖZDEN Ş., ERDOĞAN H., AKPINAR E.  
International Journal of Engineering and Technology, vol.5, pp.671-674, 2013 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Strain-Based Seismic Performance Evaluation of Prefabricated Structures**  
Seçkin A., Meydanlı Atalay H., Erdoğan H., Doran B., Akbaş B.

in: Seismic Isolation, Structural Health Monitoring, and Performance Based Seismic Design in Earthquake Engineering, Azer A. KasimzadeErdal ŞafakCarlos E. VenturaFarzad NaeimYoichi Mukai, Editor, Springer-Verlag , Zürich, pp.343-354, 2019

## Scientific Refereeing

AEJ - ALEXANDRIA ENGINEERING JOURNAL, SCI Journal, November 2023  
SOIL DYNAMICS AND EARTHQUAKE ENGINEERING, SCI Journal, November 2023  
Structures, SCI Journal, March 2023  
Structures, SCI Journal, November 2022  
Structures, SCI Journal, September 2022  
Structures, SCI Journal, March 2022  
Engineering Structures, SCI Journal, December 2021  
STRUCTURAL DESIGN OF TALL AND SPECIAL BUILDINGS, SCI Journal, December 2021  
Structures, SCI Journal, October 2021  
Structures, SCI Journal, October 2021  
Engineering Structures, SCI Journal, June 2021  
Structures, SCI Journal, May 2021  
STRUCTURAL DESIGN OF TALL AND SPECIAL BUILDINGS, SCI Journal, February 2021  
STRUCTURAL DESIGN OF TALL AND SPECIAL BUILDINGS, SCI Journal, February 2021  
Structures, SCI Journal, September 2020  
Engineering Structures, SCI Journal, September 2019  
STRUCTURES, SCI Journal, July 2019  
STRUCTURAL DESIGN OF TALL AND SPECIAL BUILDINGS, SCI Journal, June 2019  
ENGINEERING STRUCTURES, SCI Journal, May 2019  
STRUCTURES, SCI Journal, March 2019  
JOURNAL OF PERFORMANCE OF CONSTRUCTED FACILITIES, SCI Journal, October 2018  
EARTHQUAKES AND STRUCTURES, SCI Journal, June 2018  
STRUCTURAL DESIGN OF TALL AND SPECIAL BUILDINGS, SCI Journal, February 2018  
STRUCTURAL DESIGN OF TALL AND SPECIAL BUILDINGS, SCI Journal, September 2017  
STRUCTURAL DESIGN OF TALL AND SPECIAL BUILDINGS, SCI Journal, May 2016  
STRUCTURAL DESIGN OF TALL AND SPECIAL BUILDINGS, SCI Journal, February 2015  
STRUCTURAL DESIGN OF TALL AND SPECIAL BUILDINGS, SCI Journal, December 2014  
STRUCTURAL DESIGN OF TALL AND SPECIAL BUILDINGS, SCI Journal, July 2014

## Tasks In Event Organizations

Erdoğan H., Gerdan S., 6. ULUSLARARASI DEPREM SEMPOZYUMU KOCAELİ 2019, Scientific Congress, Kocaeli, Turkey, Kasım 2019  
Erdoğan H., INTERNATIONAL DISASTER & RESILIENCE CONGRESS 2019, Scientific Congress, Turkey, Haziran 2019  
Erdoğan H., 5. ULUSLARARASI DEPREM SEMPOZYUMU KOCAELİ 2015, Scientific Congress, Kocaeli, Turkey, Haziran 2015

## Mobility Activity

Erasmus Programme, Lecturing, Universita Degli Studi di Pisa, Italy, 2023 - 2023

## Metrics

Publication: 44

Citation (WoS): 145

Citation (Scopus): 171

H-Index (WoS): 7

H-Index (Scopus): 7

## **Non Academic Experience**

Florida International University