



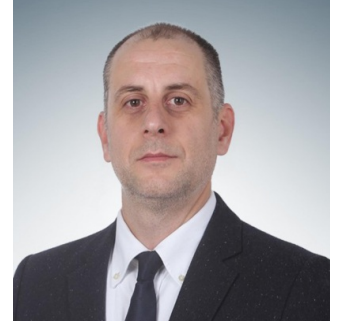
## Personal Information

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## International Researcher IDs

ScholarID: 7AjsIZEAAAAJ&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 polymr (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., Özcebe 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., ÖZCEBE 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. **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)
- III. **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)
- 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)
- VII. **Design Implications of Creep and Long-Term Deflections in FRP-RC Beam-Columns**  
MIRMIRAN A., ERDOĞAN H., SINGHVI A.  
ACI Special Publication, no.264, pp.163-178, 2009 (Scopus)

## 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

## Refereed Congress / Symposium Publications in Proceedings

- I. **A comparative application of rapid visual screening methods on the seismic prioritization of reinforced concrete buildings**  
Özdemir A., Tunçtan J., Müderrisoğlu Z., Erdoğan H., Özkaynak H.  
3RD INTERNATIONAL CIVILENGINEERING&ARCHITECTURE CONFERENCE, Trabzon, Turkey, 12 - 14 October 2023, pp.1133-1139
- II. **Comparison of Damage Levels of Reinforced Concrete Buildings After the 2023 Kahramanmaraş Earthquakes with the Predictions by Rapid Visual Screening Methods**  
Taşcıoğlu E. G., Erdoğan H., Müderrisoğlu Z., Özkaynak H.  
5. International Disaster & Resilience Congress, Kocaeli, Turkey, 11 - 13 October 2023, pp.543-544
- III. **Earthquake Vulnerability Assessment with Spatial Analysis and Modelling Methods: The Case of Izmit City**  
Gerçek Kurt D., Güven İ. T., Erdoğan H.  
5. International Disaster & Resilience Congress, Kocaeli, Turkey, 11 - 13 October 2023, pp.437-438
- IV. **A STUDY ON SEISMIC RISK PRIORITIZATION OF MASONRY BUILDINGS IN IZMIT DISTRICT**  
Kukul B., Korkmaz Ö., Erdoğan H., Güven İ. T., Gerçek Kurt D.  
3rd International Disaster and Resilience Congress, Ankara, Turkey, 5 - 07 October 2021, pp.1
- V. **A STUDY ON REGIONAL EARTHQUAKE RISK DISTRIBUTION OF REINFORCED CONCRETE BUILDINGS IN IZMIT DISTRICT**  
Korkmaz Ö., Erdoğan H., Kukul B., Güven İ. T., Gerçek Kurt D.  
3rd International Disaster and Resilience Congress, Ankara, Turkey, 5 - 07 October 2021, pp.1
- VI. **Study on Dynamic Amplification Factor in Shear Walls**  
SEÇKİN A., ERDOĞAN H., BAYHAN B., DORAN B.  
5. International Conference on Earthquake Engineering and Seismology ( 5ICEES ), 8 - 11 October 2019
- VII. **Investigation of Dynamic Shear Force Amplification in Reinforced Concrete Shear Walls Considering the Different Soil Classes of TEC-2018**  
SEÇKİN A., ERDOĞAN H., BAYHAN B., DORAN B.  
VI. International Earthquake Symposium Kocaeli 2019 (IESKO 2019), 25 - 27 September 2019
- VIII. **Is Civil Engineering Education at Kocaeli University Helping Students Realize Their Potentialities?**  
Erdoğan H., Gazeloğlu C., Engin S., Coşkun S. B., Atay M. T., Mert Kutsal S.  
13th International Congress on Advances in Civil Engineering (ACE2018), İzmir, Turkey, 12 - 14 September 2018, pp.1-8
- IX. **Nonlinear Finite Element Modeling of RC Continuous Beams with Web Opening**  
ERDOĞAN H., BOSTAN S.  
International Conference on Civil and Environmental Engineering ICOCEE 2017, 8 - 10 May 2018
- X. **ÇELİK VE YÜKSEK YOĞUNLUKLU POLİETİLEN MAKRO LİF TAKVİYELİ BETONLARIN KIRILMA DAVRANIŞLARI**  
SERTKAYA S., OZALP F., ERDOĞAN H., AKÇAY ALDANMAZ B.  
BETON 2017, Turkey, 13 - 14 April 2017, pp.194-202
- XI. **Strain-Based Seismic Performance Evaluation of Prefabricated Structures**  
SEÇKİN A., MEYDANLI ATALAY H., ERDOĞAN H., DORAN B., AKBAŞ B.  
International Congress on Advanced Earthquake Resistant Structures (AERS 2016), Samsun, Turkey, 24 - 28 October 2016
- XII. **Some analytical approximate techniques for free vibration analysis of multi stepped beams with different support conditions**  
COŞKUN S. B., ERDOĞAN H., ÖZTÜRK B., ATAY M. T.  
5th International Earthquake Symposium Kocaeli 2015, Kocaeli, Turkey, 10 - 12 June 2015, pp.311-318
- XIII. **Mevcut Endüstri Yapısının Birim Şekil Değiştirme Esaslı Performans Değerlendirmesi**

SEÇKİN A., MEYDANLI ATALAY H., ERDOĞAN H., DORAN B., AKBAŞ B.

3. Türkiye Deprem Mühendisliği ve Sismoloji Konferansı, İzmir, Turkey, 14 - 16 October 2015

- XIV. **Tek Katlı Prefabrike Endüstri Yapılarının Performansı**  
SEÇKİN A., TEMİZ M. M., MEYDANLI ATALAY H., ERDOĞAN H.  
5th International Earthquake Symposium, Kocaeli, Turkey, 10 - 12 June 2015, pp.156-157
- XV. **Tek Katlı Prefabrike Sanayi Yapısının Deprem Performansının Belirlenmesi ve Güçlendirilmesi**  
TEMİZ M. M., SEÇKİN A., ERDOĞAN H., MEYDANLI ATALAY H.  
5. Uluslararası Deprem Sempozyumu, Kocaeli 2015, Kocaeli, Turkey, 10 June - 12 December 2015
- XVI. **Seismic damages observed in Cultural Heritage Structures after Simav and Van Earthquakes in 2011**  
ÖZDEN Ş., AKPINAR E., MEYDANLI ATALAY H., ERDOĞAN H.  
International Conference on Earthquake Engineering, SE-50EEE, Üsküp, Macedonia, 29 - 31 May 2013
- XVII. **Structural Precast Concrete in Turkey: Development and Earthquake Performance in Last Decades**  
MEYDANLI ATALAY H., ÖZDEN Ş., AKPINAR E., ERDOĞAN H.  
the 7th International Symposium on Civil and Environmental Engineering, Lefke, Cyprus (Kktc), 29 - 30 November 2012
- XVIII. **Performance of Flat-Plates Strengthened with Partially Bonded Fiber Laminates**  
ERDOĞAN H., ÖZDEN Ş., MEYDANLI ATALAY H., AKPINAR E.  
10th International Conference on Advances in Civil Engineering, Ankara, Turkey, 17 - 19 October 2012
- XIX. **Kirişsiz (Düz) Döşemelerin Zımbalama Dayanımının CFRP Kullanılarak İyileştirilmesi**  
ERDOĞAN H., BİNİCİ B., ÖZCEBE G.  
Ulusal Yapı Mekaniği Laboratuvarları Toplantısı - 2011, Kocaeli, Turkey, 14 - 15 May 2011
- XX. **Betonarme Prefabrik Kolon Kiriş Düğüm Bölgeleri İçin Yarı Rijit Ard-Germeli Birleşimlerin Geliştirilmesi**  
Özden Ş., Meydanlı Atalay H., Akpınar E., Erdoğan H., Ertaş O., Okay F., Pınarbaşı Çuhadaroğlu S.  
Ulusal Yapı Mekaniği Laboratuvarları Toplantısı - 2011, KOU, Kocaeli, Kocaeli, Turkey, 14 - 15 May 2011
- XXI. **Rötre Çatlaklarının Donatı Gerilmelerine Olası Etkisi**  
ÖZDEN Ş., AKPINAR E., MEYDANLI ATALAY H., ERDOĞAN H., ERTAŞ O., ERSİN S.  
Ulusal Yapı Mekaniği Laboratuvarları Toplantısı - 2011, KOU, Kocaeli, Kocaeli, Turkey, 14 - 15 May 2011
- XXII. **Design implications of creep and long-term deflections in FRP-RC beam-columns**  
Mirmiran A., ERDOĞAN H., Singhvi A.  
ACI Spring 2009 Convention, San Antonio, TX, United States Of America, 15 - 19 March 2009, pp.163-177
- XXIII. **Punching Shear Strengthening of Rectangular Column Slab Connections**  
ERDOĞAN H., ÖZCEBE G.  
8th International congress on advances in civil engineering ACE2008, 15 - 17 September 2008
- XXIV. **A new CFRP strengthening technique to enhance punching shear strength of RC slab-column connections**  
ERDOĞAN H., BİNİCİ B., ÖZCEBE G.  
The First Asia-Pacific Conference on FRP in Structure APFIS 2007, Hong Kong, 12 - 14 December 2007, pp.233-238

## 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): 144  
Citation (Scopus): 171  
H-Index (WoS): 7  
H-Index (Scopus): 7

### **Non Academic Experience**

Florida International University