



Kişisel Bilgiler

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Uluslararası Araştırmacı ID'leri

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Publons / Web Of Science ResearcherID: JQV-3865-2023

ScopusID: 58311142000

Yoksis Araştırmacı ID: 379683

Eğitim Bilgileri

Doktora, University of Sheffield, Mühendislik , Otomatik Kontrol ve Sistem Mühendisliği , İngiltere 2018 - 2022

Yüksek Lisans, Brunel University, İnşaat Mühendisliği, İngiltere 2016 - 2017

Lisans, Sakarya Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, Türkiye 2010 - 2014

Biyografi

Dr. Adnan Kiral is a distinguished academic specializing in structural and earthquake engineering. He completed his Ph.D. at the University of Sheffield, focusing on innovative seismic control technologies, after earning his Master's degree in Civil Engineering from Brunel University. His undergraduate studies were in civil engineering at Sakarya University. With a strong academic foundation, Dr. Kiral has contributed extensively to the study of building dynamics, retrofitting techniques, and structural performance under seismic conditions. His research includes innovative solutions for seismic response control, such as semi-active damping systems, and he has shared his findings through numerous high-impact journal articles, book chapters, and international conferences. Dr. Kiral's work plays a critical role in advancing the resilience and safety of modern infrastructure.

Sertifika, Kurs ve Eğitimler

Diğer, Teaching Assistant, The University of Sheffield , 2020

Mesleki Eğitim, Constructionarium Week held at the National Construction College England, Brunel University, PJ Careys PLC and Atkins , 2017

Yaptığı Tezler

Bütünleşik Doktora, Novel Displacement Dependent Viscous Damper for SemiactiveControl of the Seismic Response of Multi-Storey Buildings, University of Sheffield, engineering , civil engineering, 2018

Araştırma Alanları

Yapı Mekaniği, Yapı Dinamiği, Yapı, Yapı Mühendisliği, Yapıların Performansı, Deprem Mühendisliği, Mekanik Titreşimler

Akademik Unvanlar / Görevler

Öğretim Görevlisi Dr., Recep Tayyip Erdoğan Üniversitesi, Mühendislik ve Mimarlık Fakültesi, İnşaat Mühendisliği, 2022 - Devam Ediyor

Verdiği Dersler

Yüksek Lisans

Yapı Dinamiği, Yüksek Lisans, 2023 - 2024

İnşaat Mühendisliğinde Matlab uygulamaları, Yüksek Lisans, 2023 - 2024

Depreme Dayanıklı Yapı Tasarımına Giriş, Yüksek Lisans, 2023 - 2024

Lisans

Computer programming, Lisans, 2024 - 2025

REINFORCED CONCRETE STRUCTURES, Lisans, 2024 - 2025

Yapı Dinamiğine Giriş, Lisans, 2023 - 2024

Engineering mechanics, Lisans, 2024 - 2025

Yapı İşletmesi Ve Keşif Metraj, Lisans, 2023 - 2024

Deprem Mühendisliğine Giriş, Lisans, 2023 - 2024

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Optimizing seismic performance of base-isolated buildings with mass and stiffness variations under near and far fault ground motions**
Kiral A., Tonyali Z.
Structures , cilt.5, sa.1, ss.1-23, 2025 (SCI-Expanded)
- II. **A comprehensive analysis of the ground motions of the 2023 Kahramanmaraş, Türkiye earthquakes**
Kiral A., Tonyali Z., Ergün M.
EARTHQUAKE AND STRUCTURES, sa.26, ss.203-219, 2025 (SCI-Expanded)
- III. **Basic evaluation and restoration process for the structural characteristics of historically significant timber bridges in Türkiye: case studies in Eastern Black Sea Region**
Tonyali Z., Birinci Kayaalp F., Kiral A., Özesen A.
WOOD MATERIAL SCIENCE AND ENGINEERING, cilt.25, sa.2, ss.1-28, 2025 (SCI-Expanded)
- IV. **A case study comparing seismic retrofitting techniques for a historically significant masonry building's minaret**
Kiral A., Ergün M., Tonyali Z., Artar M., Şentürk I.
ENGINEERING FAILURE ANALYSIS, cilt.166, sa.5, ss.1-40, 2024 (SCI-Expanded)
- V. **The Seismic Response Evaluation of an Existing Multi-span Reinforced Concrete Highway Bridge in the Presence of Linear and Nonlinear Viscous Dampers**
Kiral A., Gurbuz A., Ustabas I.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, cilt.24, sa.2, ss.1-19, 2024 (SCI-Expanded)
- VI. **Seismic performance assessment of steel buildings equipped with a new semi-active displacement-**

dependent viscous damper

Kiral A., Garcia R., Petkovski M., Hajirasouliha I.

JOURNAL OF EARTHQUAKE AND TSUNAMI, cilt.1, sa.1, ss.1-18, 2024 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **The effect of LRB stiffness changes with and without supplemental viscous dampers on seismic responses of an experimentally verified MDOF building**
Kiral A., Tonyali Z.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES, cilt.43, sa.1, ss.1-15, 2025 (ESCI)
- II. **Evaluation of Earthquake-Related Damages on the Reinforced Concrete Buildings due to the February 6, 2023, Kahramanmaraş-Türkiye Earthquakes**
Tonyali Z., Kiral A.
Recep Tayyip Erdoğan University Journal of Science and Engineering, cilt.5, sa.1, ss.1-26, 2024 (Hakemli Dergi)
- III. **Using supplemental linear viscous dampers for experimentally verified base-isolated building: Case study**
Kiral A., Gürbüz A.
Journal of Structural Engineering & Applied Mechanics (Online), cilt.7, sa.1, 2024 (Hakemli Dergi)

Kitaplar

- I. **Seismic Response Control of Buildings Using Viscous-Based Devices**
Kiral A., Tonyali Z.
Modern Approaches to Traffic Safety and Sound Insulation, Doç. Dr. Kurtuluş ARTIK, Editör, Bidge Publisher, Ankara, ss.70-111, 2024

Hakemli Bilimsel Toplantılarda Yayımlanmış Bildiriler

- I. **Multi-Objective Optimization of an Experimentally Verified Base-Isolated Building**
Kiral A., Tonyali Z.
EU 6th International Conference on Health, Engineering and Applied Sciences , Belgrade, Sırbistan, 17 - 20 Ekim 2024, ss.1-20, (Özet Bildiri)
- II. **EVALUATING THE KAHRAMANMARAS EARTHQUAKE OF FEBRUARY 6 2023 IN TURKEY BASED ON NEW GENERATION ATTENUATION GROUND MOTION (NGA) MODELS**
Kiral A., Tonyali Z.
EUROPEAN CONFERENCES 2nd INTERNATIONAL CONFERENCE ON HEALTH, ENGINEERING AND APPLIED SCIENCES, Belgrade, Sırbistan, 4 - 06 Ağustos 2023, ss.1-6, (Tam Metin Bildiri)
- III. **STRUCTURAL AND ECONOMIC EFFECTS OF SEA LEVEL RISING IN HATAY-ISKENDERUN AFTER 6 FEBRUARY 2023 TURKEY-SYRIA EARTHQUAKE**
Süme V., Kiral A.
4th INTERNATIONAL MEDITERRANEAN CONGRESS, Lefkoşa, Kıbrıs (Kktc), 15 - 16 Haziran 2023, ss.241-248, (Tam Metin Bildiri)
- IV. **Using the Concept of "Weakening and Viscous Damping" for retrofitting of a Structure**
Kiral A., Gürbüz A., Ustabaş İ.
EGE 8th INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, İzmir, Türkiye, 2 - 04 Haziran 2023, ss.1-10, (Tam Metin Bildiri)
- V. **THE FEBRUARY 6, 2023, KAHRAMANMARAS-TURKIYE EARTHQUAKES: SEISMO-TECTONIC EVALUATIONS AND EFFECTS ON REINFORCED CONCRETE BUILDINGS**

Kiral A., Tonyalı Z.

EGE 8th INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, İzmir, Türkiye, 2 - 04 Haziran 2023, ss.1-12, (Tam Metin Bildiri)

VI. **Semiactive Fluid Viscous Damper for Seismic Control of Multi-Storey Buildings**

Kiral A., Petkovski M.

ACSE Seminer / Sheffield UK, Sheffield, İngiltere, 03 Mart 2020, ss.1, (Özet Bildiri)

Diğer Yayınlar

I. **Novel Displacement Dependent Viscous Damper for Semiactive Control of the Seismic Response of Multistorey Buildings**

Kiral A., Petkovski M.

Diğer, ss.1-120, 2022

Bilirkişi Raporları

I. **TEKNOFEST 2024 Technology Competitions Referee**

Kiral A.

TEKNOFEST 2024 Technology Competitions, ss.50, Rize, 2024

II. **Bina Deprem Güvenlik Değerlendirme Raporu**

Gürbüz A., Kiral A., Kaya A., Yılmaz F.

Kahramanmaraş Cumhuriyet Savcılığı, ss.33, Kahramanmaraş, 2024

III. **DEPREMDE "Miroğlu Gıda San. ve Tic. A.Ş." ye AİT UN FABRİKASI BİNASINDA MEYDANA GELEN HASARLARIN GÜÇLENDİRME YAPILARAK YAPI GÜVENLİĞİNİN SAĞLANMASINA AİT TEKNİK RAPOR**

Süme V., Kiral A.

ŞEMA Mühendislik Mimarlık Bürosu, ss.11, Hatay, 2023

Desteklenen Projeler

Kiral A., Diğer Uluslararası Fon Programları, Semi-active control of the Sosokan building under the 2011 Tohoku earthquake in Japan / Japonya'daki 2011 Tohoku depremi altında Sosokan binasının yarı aktif kontrolü, 2018 - 2019

Bilimsel Yayınlarda Hakemlikler

EARTHQUAKE ENGINEERING AND ENGINEERING VIBRATION, SCI Kapsamındaki Dergi, Nisan 2025

INSTITUTION OF CIVIL ENGINEERS. PROCEEDINGS. STRUCTURES AND BUILDINGS, SCI Kapsamındaki Dergi, Mart 2025

SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES, ESCI Kapsamındaki Dergi, Ağustos 2024

Recep Tayyip Erdoğan University Journal of Science and Engineering Sciences, Hakemli Bilimsel Dergi, Haziran 2024

CIVIL ENGINEERING JOURNAL-STAVEBNI OBZOR, SCI-E Kapsamındaki Dergi, Mayıs 2024

Kahramanmaraş Sütçü İmam Üniversitesi Fen ve Mühendislik Dergisi, Hakemli Bilimsel Dergi, Şubat 2024

NATURAL HAZARDS, SCI-E Kapsamındaki Dergi, Mart 2023

2nd International Conference on Applied on Economic and Social Science (ICAESS 2020), Bildiri (Tam Metin), Haziran 2020

Bilimsel Projelerde Hakemlikler

Diğer Resmi Kurumlarca Desteklenen Proje, Ocak 2024

Metrikler

Yayın: 20

Atıf (WoS): 2

Atıf (Scopus): 3

H-İndeks (WoS): 1

H-İndeks (Scopus): 1

Burslar

YLSY, Milli Eğitim Bakanlığı, 2014 - 2022