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Kişisel Bilgiler

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Uluslararası Araştırmacı ID'leri

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Publons / Web Of Science ResearcherID: O-5149-2019

ScopusID: 57189600933

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Eğitim Bilgileri

Doktora, Dokuz Eylül Üniversitesi, Fen Bilimleri Enstitüsü, Yapı (Dr), Türkiye 2015 - 2020

Yüksek Lisans, Dokuz Eylül Üniversitesi, Fen Bilimleri Enstitüsü, Yapı (YL) (Tezli), Türkiye 2014 - 2015

Lisans, Ege Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, Türkiye 2008 - 2012

Yaptığı Tezler

Doktora, Sürekli parametreli çerçevelerin tek değişkenli kayma deformasyon teorisi ve dinamik rijitlik metodu kullanılarak serbest titreşim ve harmonik tepki analizleri, Dokuz Eylül Üniversitesi, Fen Bilimleri Enstitüsü, 2020

Yüksek Lisans, Eksenel doğrultuda ivmelenen kırışların serbest titreşim analizinin diferansiyel transformasyon yöntemi kullanılarak incelenmesi, Dokuz Eylül Üniversitesi, Fen Bilimleri Enstitüsü, Yapı (YL) (Tezli), 2015

Araştırma Alanları

Yapı Mekanığı, Yapı Dinamiği, Deprem Mühendisliği

Akademik Unvanlar / Görevler

Doç. Dr., Dokuz Eylül Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2022 - Devam Ediyor

Araştırma Görevlisi Dr., Dokuz Eylül Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2020 - 2022

Araştırma Görevlisi, Dokuz Eylül Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2014 - 2020

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. Rapid assessment of seismic performance of large monopile-supported offshore wind turbines under scour

BOZYİĞİT B., Bozyigit I., Prendergast L. J.

European Journal of Mechanics, A/Solids, cilt.109, 2025 (SCI-Expanded)

- II. Innovative solutions on ductility and bearing capacity: Strengthening flexural performance of reinforced concrete beams with recycled face mask fibers
 Özdemir A., Bozyigit B., Kılıç Demircan R., Mercimek Ö., Çelik D. N., Akkaya S. T., Kaplan G.
 CONSTRUCTION AND BUILDING MATERIALS, cilt.458, ss.1-9, 2025 (SCI-Expanded)
- III. 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., Yıldız C., İspir Arslan M., Bedirhanoglu I., et al.
 Earthquake Spectra, cilt.40, sa.3, ss.1870-1904, 2024 (SCI-Expanded)
- IV. Dynamic response of damaged rigid-frame bridges subjected to moving loads using analytical based formulations
 BOZYİĞİT B.
 ENGINEERING COMPUTATIONS, cilt.40, sa.4, ss.793-822, 2023 (SCI-Expanded)
- V. Analytical approach for seismic analysis of onshore wind turbines considering soil-structure interaction
 BOZYİĞİT B., BOZYİĞİT İ., Prendergast L. J.
 STRUCTURES, cilt.51, ss.226-241, 2023 (SCI-Expanded)
- VI. Dynamic amplification in masonry arch railway bridges
 Bozyigit B., Acikgoz S.
 Structures, cilt.45, ss.1717-1728, 2022 (SCI-Expanded)
- VII. Earthquake response of linear-elastic arch-frames using exact curved beam formulations
 Bozyigit B.
 ENGINEERING COMPUTATIONS, cilt.39, sa.2, ss.792-812, 2022 (SCI-Expanded)
- VIII. Determination of free vibration properties of masonry arch bridges using the dynamic stiffness method
 BOZYİĞİT B., Acikgoz S.
 ENGINEERING STRUCTURES, cilt.250, 2022 (SCI-Expanded)
- IX. Seismic response of pile supported frames using the combination of dynamic stiffness approach and Galerkin's method
 Bozyigit B.
 ENGINEERING STRUCTURES, cilt.244, 2021 (SCI-Expanded)
- X. Single variable shear deformation theory for free vibration and harmonic response of frames on flexible foundation
 BOZYİĞİT B., YEŞİLCE Y., Wahab M. A.
 ENGINEERING STRUCTURES, cilt.208, 2020 (SCI-Expanded)
- XI. Free vibration and harmonic response of cracked frames using a single variable shear deformation theory
 BOZYİĞİT B., YEŞİLCE Y., Wahab M. A.
 STRUCTURAL ENGINEERING AND MECHANICS, cilt.74, sa.1, ss.33-54, 2020 (SCI-Expanded)
- XII. Transfer matrix formulations and single variable shear deformation theory for crack detection in beam-like structures
 BOZYİĞİT B., YEŞİLCE Y., Wahab M. A.
 STRUCTURAL ENGINEERING AND MECHANICS, cilt.73, sa.2, ss.109-121, 2020 (SCI-Expanded)
- XIII. Free vibrations of axial-loaded beams resting on viscoelastic foundation using Adomian decomposition method and differential transformation
 Bozyigit B., Yeşilce Y., Çatal S.
 ENGINEERING SCIENCE AND TECHNOLOGY-AN INTERNATIONAL JOURNAL-JESTECH, cilt.21, sa.6, ss.1181-1193, 2018 (SCI-Expanded)
- XIV. Dynamic stiffness formulations for harmonic response of infilled frames
 BOZYİĞİT B., YEŞİLCE Y.
 STRUCTURAL ENGINEERING AND MECHANICS, cilt.68, sa.2, ss.183-191, 2018 (SCI-Expanded)

- XV. **Natural frequencies and harmonic responses of multi-story frames using single variable shear deformation theory**
 BOZYİĞİT B., YEŞİLCE Y.
 MECHANICS RESEARCH COMMUNICATIONS, cilt.92, ss.28-36, 2018 (SCI-Expanded)
- XVI. **Investigation of natural frequencies of multi-bay and multi-storey frames using a single variable shear deformation theory**
 BOZYİĞİT B., YEŞİLCE Y.
 STRUCTURAL ENGINEERING AND MECHANICS, cilt.65, sa.1, ss.9-17, 2018 (SCI-Expanded)
- XVII. **Differential transform method and Adomian decomposition method for free vibration analysis of fluid conveying Timoshenko pipeline**
 Bozyigit B., Yeşilce Y., Çatal S.
 STRUCTURAL ENGINEERING AND MECHANICS, cilt.62, sa.1, ss.65-77, 2017 (SCI-Expanded)
- XVIII. **Dynamic stiffness approach and differential transformation for free vibration analysis of a moving Reddy-Bickford beam**
 BOZYİĞİT B., YEŞİLCE Y.
 STRUCTURAL ENGINEERING AND MECHANICS, cilt.58, sa.5, ss.847-868, 2016 (SCI-Expanded)

Düzenlenen Dergilerde Yayınlanan Makaleler

- I. **Free vibration analysis of segmented Timoshenko beams on Pasternak foundation by using transfer matrix**
 Bozyigit B.
 Deu Muhendislik Fakultesi Fen ve Mühendislik Dergisi, cilt.23, sa.69, ss.735-743, 2021 (Hakemli Dergi)
- II. **Transfer matrix formulation for dynamic response of Timoshenko beams resting on two-parameter elastic foundation subjected to moving load**
 Bozyigit B.
 Journal of Structural Engineering & Applied Mechanics, cilt.4, sa.2, ss.99-110, 2021 (Hakemli Dergi)
- III. **EFFECTS OF INFILL WALLS ON FREE VIBRATION CHARACTERISTICS OF MULTI-STOREY FRAMES USING DYNAMIC STIFFNESS METHOD**
 BOZYİĞİT B., YEŞİLCE Y.
 SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BİLİMLERİ DERGİSİ, cilt.37, sa.3, ss.885-902, 2019 (ESCI)
- IV. **Free vibration analysis of multi-span Timoshenko beams on elastic foundation using dynamic stiffness method**
 Bozyigit B., Yeşilce Y.
 European Journal of Engineering and Natural Sciences, cilt.3, sa.2, ss.74-80, 2019 (Hakemli Dergi)
- V. **Effects of Soil-structure Interaction on Free Vibrations of Industrial Chimneys via Dynamic Stiffness Formulations**
 Bozyigit B., Yeşilce Y.
 Eurasian Journal of Civil Engineering and Architecture, cilt.2, sa.2, ss.79-85, 2018 (Hakemli Dergi)
- VI. **Investigation of Natural Frequencies of Piles Partially Embedded in Elastic Soil Using Transfer Matrix Method**
 Bozyigit B., Bozyigit İ.
 Eurasian Journal of Civil Engineering and Architecture, cilt.2, sa.1, ss.54-61, 2018 (Hakemli Dergi)

Kitaplar

- I. **Crack identification in multi-span beams on elastic foundation by using transfer matrix method**
 Bozyigit B., Bozyigit İ., Yeşilce Y., Wahab M. A.

Proceedings of the 13th International Conference on Damage Assessment of Structures, Magd Abdel Wahab, Editör, Springer-Verlag , Singapore, ss.402-409, 2020

- II. **Free flexural vibrations of axially loaded Timoshenko beams with internal viscous damping using dynamic stiffness formulation and differential transformation**

BOZYİĞİT B., YEŞİLCE Y., ÇATAL H. H.

Seismic Isolation, Structural Health Monitoring, and Performance Based Seismic Design in Earthquake EngineeringRecent Developments, A.A. Kasimzade et al., Editör, Springer, Cham, ss.307-328, 2019

Hakemli Bilimsel Toplantılarda Yayınlanmış Bildiriler

- I. **RAPID POST-EARTHQUAKE ESTIMATION OF VIBRATION FREQUENCIES OF HISTORICAL MASONRY STRUCTURES USING LASER DOPPLER VIBROMETRY**

BOZYİĞİT B., ACIKGOZ S.

7. International Symposium on Strengthening Historical Buildings and Transferring them Safely to the Future, Diyarbakır, Türkiye, 27 - 28 Eylül 2024

- II. **Investigation of stone masonry construction techniques and material properties in Hatay and Osmaniye after the 2023 Turkey earthquake sequence**

BOZYİĞİT B., ÖZDEMİR A., Dönmez K., DALGIÇ K. D., DURGUT E., YEŞİLYURT C., Dizgin Y., YILDENİZ C., İSPİR ARSLAN M., BEDİRHANOĞLU İ., et al.

18th World Conference on Earthquake Engineering, Milan, İtalya, 30 Haziran - 05 Temmuz 2024

- III. **EARTHQUAKE RESPONSE OF TOWER CARRYING TIP MASS USING DIFFERENT FINITE ELEMENT MODELING APPROACHES**

BOZYİĞİT B.

2. Uluslararası Mühendislik Bilimleri ve Multidisipliner Yaklaşımlar Kongresi, İstanbul, Türkiye, 18 Eylül 2021

- IV. **Free vibration analysis of arch-frames using the dynamic stiffness approach**

Bozyigit B., Yeşilce Y., Acikgoz S.

44th International Conference on Vibroengineering, Dubai, Birleşik Arap Emirlikleri, 2 - 04 Nisan 2020, cilt.30, ss.72-78

- V. **Dynamic response of single and multi-span beams under a moving load using dynamic stiffness formulations and Galerkin's method**

Bozyigit B., Acikgoz S., Yeşilce Y.

11th International Conference on Structural Dynamics, EURODYN 2020, Virtual, Athens, Yunanistan, 23 - 26 Kasım 2020, cilt.2, ss.2621-2630

- VI. **Crack Identification in Multi-Span Beams on Elastic Foundation by Using Transfer Matrix Method**

Bozyigit B., Bozyigit İ., Yeşilce Y., Abdel Wahab M.

13th International Conference on Damage Assessment of Structures, DAMAS 2019, Porto, Portekiz, 9 - 10 Temmuz 2019, ss.402-409

- VII. **Free flexural vibrations of axially loaded Timoshenko beams with internal viscous damping using dynamic stiffness formulation and differential transformation**

BOZYİĞİT B., YEŞİLCE Y., ÇATAL H. H.

International Congress on Advanced Earthquake Resistant Structures, Samsun, Türkiye, 24 - 28 Ekim 2018

- VIII. **Effects of Soil-Structure Interaction on Free Vibrations of Industrial Chimneys via Dynamic Stiffness Formulations**

BOZYİĞİT B., YEŞİLCE Y.

3. International Conference on Civil and Environmental Engineering, 24 - 27 Nisan 2018

- IX. **Investigation of Natural Frequencies of Piles Partially Embedded in Elastic Soil Using Transfer Matrix Method**

BOZYİĞİT B., BOZYİĞİT İ.

3. International Conference on Civil and Environmental Engineering, 24 - 27 Nisan 2018

- X. **Free Vibration Analysis of Multi-span Timoshenko Beams on Elastic Foundation Using Dynamic**

- Stiffness Method**
BOZYİĞİT B., YEŞİLCE Y.
III International Conference On Engineering and Natural Science, Budapest, Macaristan, 3 - 07 Mayıs 2017
- XI. **Dynamic Stiffness Formulation for Free Vibrations of Elastically Restrained Beams**
BOZYİĞİT B., YEŞİLCE Y.
12th INTERNATIONAL CONGRESS ON ADVANCES IN CIVIL ENGINEERING, 21 - 23 Eylül 2016
- XII. **TIMOSHENKO KİRİŞLERİNİN SERBEST TİTREŞİM ANALİZİNİN DİFERANSİYEL TRANSFORMASYON METODU İLE İNCELENMESİ**
Bozyigit B., Çatal S., Çatal H. H.
ÜÇÜNCÜ TÜRKİYE DEPREM MÜHENDİSLİĞİ VE SİSMOLOJİ KONFERANSI, İzmir, Türkiye, 14 - 16 Ekim 2015, ss.10-13
- XIII. **Yarı-rijit bağlı betonarme bacaların serbest titreşiminin diferansiyel transformasyon metodu ile analizi**
BOZYİĞİT B., ÖZTÜRKÖĞLU O., ÇATAL S.
XIX Ulusal Mekanik Kongresi, Trabzon, Türkiye, 24 - 28 Ağustos 2015
- XIV. **YARI RİJİT BAĞLI BETONARME BACALARIN SERBEST TİTREŞİMİNİN DİFERANSİYEL TRANSFORMASYON METODU İLE ANALİZİ**
Bozyigit B., Öztürkoğlu O., Çatal S.
XIX. ULUSAL MEKANİK KONGRESİ, Trabzon, Türkiye, 24 - 28 Ağustos 2015, ss.247-256
- XV. **Free Vibration Analysis of Axially Accelerating Timoshenko Beams Using Differential Transform Method**
BOZYİĞİT B., YEŞİLCE Y.
International Conference on Civil and Environmental Engineering, 20 - 23 Mayıs 2015
- XVI. **İzmir İli Kent Merkezi İçinde Bir Bölgenin Dinamik Zemin Davranışının İncelenmesi**
BOZYİĞİT İ., BOZYİĞİT B., ESKİŞAR TEFÇİ T., ALTUN S.
5. Geoteknik Sempozyumu, Türkiye, 5 - 07 Aralık 2013

Desteklenen Projeler

Bozyigit B., Ergenç Cabanas Rodriguez D., Acıkgöz S., Pamir H., TÜBİTAK Projesi, Antakya Antik Yapı Kalıntılarının Malzeme, Geometrik ve Yapısal Analizleri Işığında Yığma Yapıların Deprem Performansının İyileştirilmesi İçin Çözümler Üretilmesi, 2024 - 2027

Bilimsel Dergilerdeki Faaliyetler

SHOCK AND VIBRATION, Editör, 2025 - Devam Ediyor

Metrikler

Yayın: 42

Atıf (WoS): 126

H-İndeks (WoS): 7

Burslar

YURT DIŞI DOKTORA SIRASI ARAŞTIRMA BURSU, TÜBİTAK, 2019 - 2019