

Doç. Dr. Yıldırım Serhat ERDOĞAN

Kişisel Bilgiler

E-posta: serhate@yildiz.edu.tr

Web: <https://avesis.yildiz.edu.tr/serhate>

Uluslararası Araştırmacı ID'leri

ORCID: 0000-0001-9206-5474

ScopusID: 55659674900

Yoksis Araştırmacı ID: 203258

Eğitim Bilgileri

Doktora, İstanbul Teknik Üniversitesi, İnşaat Mühendisliği, Mekanik, Türkiye 2007 - 2013

Yüksek Lisans, İstanbul Teknik Üniversitesi, İnşaat Mühendisliği, Mekanik, Türkiye 2005 - 2007

Yabancı Diller

İngilizce, C1 İleri

Araştırma Alanları

İnşaat Mühendisliği, Mekanik, Yapı Mekaniği, Yapı Dinamiği, Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Doç. Dr., Yıldız Teknik Üniversitesi, İnşaat Fakültesi, İnşaat Mühendisliği Bölümü, 2020 - Devam Ediyor

Dr. Öğr. Üyesi, Yıldız Teknik Üniversitesi, İnşaat Fakültesi, İnşaat Mühendisliği Bölümü, 2018 - Devam Ediyor

Yrd. Doç. Dr., Yıldız Teknik Üniversitesi, İnşaat Fakültesi, İnşaat Mühendisliği Bölümü, 2015 - 2018

Araştırma Görevlisi, İstanbul Teknik Üniversitesi, İnşaat Fakültesi, İnşaat Mühendisliği, 2009 - 2013

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. A vibration transducer framework for the measurement and reconstruction of vibration signals via low-rate sampling**
ERDOĞAN Y. S.
Measurement: Journal of the International Measurement Confederation, cilt.242, 2025 (SCI-Expanded)
- II. A computationally efficient method for optimum tuning of single-sided pounding tuned mass dampers for structural vibration control**
ERDOĞAN Y. S., Ada M.
International Journal of Structural Stability and Dynamics, cilt.21, 2021 (SCI-Expanded)
- III. Evaluation of Existing Damage Patterns and Seismic Assessment of Historical Davutpasa Barracks via Operational-Modal Analysis**
Gani E., ERDOĞAN Y. S., KOÇAK A.

Journal of Performance of Constructed Facilities, cilt.34, sa.4, 2020 (SCI-Expanded)

- IV. **A computer-vision based vibration transducer scheme for structural health monitoring applications**
ERDOĞAN Y. S., ADA M.
SMART MATERIALS AND STRUCTURES, cilt.29, sa.8, 2020 (SCI-Expanded)
- V. **A study on the crack detection in beams using linear and nonlinear normal modes**
ERDOĞAN Y. S.
ADVANCES IN STRUCTURAL ENGINEERING, cilt.23, sa.7, ss.1305-1321, 2020 (SCI-Expanded)
- VI. **Seismic response of a highway bridge in case of vehicle-bridge dynamic interaction**
Erdoğan Y. S., Çatbaş N.
Earthquakes and Structures, cilt.18, sa.1, ss.1-14, 2020 (SCI-Expanded)
- VII. **Investigation of the Seismic Behavior of a Historical Masonry Minaret Considering the Interaction with Surrounding Structures**
Erdoğan Y. S., Kocaturk T., Demir C.
JOURNAL OF EARTHQUAKE ENGINEERING, cilt.23, ss.112-140, 2019 (SCI-Expanded)
- VIII. **Investigation of existing damage mechanism and retrofitting of Skeuophylakion under seismic loads**
KOCATURK T., ERDOĞAN Y. S., DEMİR C., GOKCE A., ULUKAYA S., YÜZER N.
ENGINEERING STRUCTURES, cilt.137, ss.125-144, 2017 (SCI-Expanded)
- IX. **Seismic analysis and investigation of damage mechanism of 57th infantry regiment memorial using finite-discrete element method**
ERDOĞAN Y. S., Kocaturk T., DEMİR C.
BULLETIN OF EARTHQUAKE ENGINEERING, cilt.15, sa.4, ss.1397-1424, 2017 (SCI-Expanded)
- X. **Discrete and Continuous Finite Element Models and Their Calibration via Vibration and Material Tests for the Seismic Assessment of Masonry Structures**
ERDOĞAN Y. S.
INTERNATIONAL JOURNAL OF ARCHITECTURAL HERITAGE, cilt.11, sa.7, ss.1026-1045, 2017 (SCI-Expanded)
- XI. **Earthquake behavior of M1 minaret of historical Sultan Ahmed Mosque (Blue Mosque)**
Kocaturk T., Erdosgan Y. S.
STRUCTURAL ENGINEERING AND MECHANICS, cilt.59, sa.3, ss.539-558, 2016 (SCI-Expanded)
- XII. **Investigation of Uncertainty Changes in Model Outputs for Finite-Element Model Updating Using Structural Health Monitoring Data**
Erdogan Y. S., Gul M., Catbas F. N., Bakir P. G.
JOURNAL OF STRUCTURAL ENGINEERING, cilt.140, sa.11, 2014 (SCI-Expanded)
- XIII. **Structural identification (St-Id) using finite element models for optimum sensor configuration and uncertainty quantification**
Erdogan Y. S., CATBAS F. N., Bakir P. G.
FINITE ELEMENTS IN ANALYSIS AND DESIGN, cilt.81, ss.1-13, 2014 (SCI-Expanded)
- XIV. **Evaluation of the different genetic algorithm parameters and operators for the finite element model updating problem**
Erdogan Y. S., Bakir P. G.
COMPUTERS AND CONCRETE, cilt.11, sa.6, ss.541-569, 2013 (SCI-Expanded)
- XV. **DAMAGE IDENTIFICATION IN REINFORCED CONCRETE BEAMS BY FINITE ELEMENT MODEL UPDATING USING PARALLEL AND HYBRID GENETIC ALGORITHMS**
Bakir P. G., Erdogan Y. S.
INTERNATIONAL JOURNAL OF COMPUTATIONAL METHODS, cilt.10, sa.3, 2013 (SCI-Expanded)
- XVI. **Inverse propagation of uncertainties in finite element model updating through use of fuzzy arithmetic**
Erdogan Y. S., BAKIR P. G.
ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, cilt.26, sa.1, ss.357-367, 2013 (SCI-Expanded)

Hakemli Bilimsel Toplantılarda Yayımlanmış Bildiriler

- I. **Cam Fiber Takviyeli Kutu Kirişlerin Eğilme Altında Sözde Sünekliğinin İncelenmesi**
Erdoğan Y. S., İnal M. G.
4 th International Symposium of Engineering Applications on Civil Engineering and Earth Sciences 2023 (IEACES2023), Karabük, Türkiye, 31 Mayıs - 02 Temmuz 2023, ss.333-342
- II. **Earthquake Response of A Highway Bridge In Case Of Vehicle-Bridge Interaction**
Erdoğan Y. S., Ada M.
4th Eurasian Conference on Civil and Environmental Engineering, İstanbul, Türkiye, 17 - 19 Haziran 2019, ss.1-11
- III. **Effect of Soil Structure Interactions on the Seismic Behaviour of a Contemporary Monumental Masonary Structure**
ERDOĞAN Y. S., ADA M.
16th European Earthquake Engineering, Selanik, Yunanistan, 18 Haziran 2018, ss.1-11

Desteklenen Projeler

ERDOĞAN Y. S., İnal M. G., Yükseköğretim Kurumları Destekli Proje, Cam Fiber Takviyeli Kutu Kirişlerin Eğilme Altında Sözde Sünekliğinin İncelenmesi, 2022 - 2023

Metrikler

Yayın: 19

Atıf (WoS): 129

Atıf (Scopus): 209

H-İndeks (WoS): 7

H-İndeks (Scopus): 8