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Education Information

Doctorate, Northeastern University, İnşaat Mühendisliği, United States Of America 1996 - 2002

Academic Titles / Tasks

Associate Professor, Istanbul Technical University, İnşaat, İnşaat Mühendisliği, 2023 - Continues
Assistant Professor, Istanbul Technical University, İnşaat, İnşaat Mühendisliği, 2013 - Continues
Assistant Professor, Atilim University, 2002 - 2013

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Experimental collapse investigation and nonlinear modeling of a single-span stone masonry arch bridge**
Mentese V. G., Güneş O., Çelik O. C., Güneş B., Avsin A., Yaz M.
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II. **Drilling resistance testing combined with SonReb methods for nondestructive estimation of concrete strength**
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III. **One-class machine learning approach for localized damage detection**
Güneş B.
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IV. **Vibration-Based Damage Evaluation of a Reinforced Concrete Frame Subjected to Cyclic Pushover Testing**
Güneş B., Güneş O.
SHOCK AND VIBRATION, vol.2021, 2021 (SCI-Expanded)

V. **Damage in Reinforced-Concrete Buildings during the 2011 Van, Turkey, Earthquakes**
Baran E., MERTOL H. C., Güneş B.
JOURNAL OF PERFORMANCE OF CONSTRUCTED FACILITIES, vol.28, no.3, pp.466-479, 2014 (SCI-Expanded)

VI. **Use of UHPC in Bridge Structures: Material Modeling and Design**
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VII.   **Flexibility based approach for damage characterization benchmark application**
Bernal D., Güneş B.
Journal of Engineering Mechanics, vol.130, no.1, pp.61-70, 2004 (SCI-Expanded)

Articles Published in Other Journals

I.   **Time Series Analysis Methodology for Damage Detection in Civil Structures**
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Dicle Üniversitesi Mühendislik Fakültesi Mühendislik Dergisi, vol.14, no.4, pp.753-759, 2023 (Peer-Reviewed Journal)

II.   **Unsupervised Learning Approach for Detection and Localization of Structural Damage using Output-only Measurements**
GÜNEŞ B.
Academic Platform journal of engineering and smart systems (Online), vol.10, no.3, pp.149-156, 2022 (Peer-Reviewed Journal)

III.   **A DATA DRIVEN STRUCTURAL HEALTH MONITORING APPROACH INTEGRATING COGNITIVE CONCEPTS**
GÜNEŞ B.
The Journal of Cognitive Systems, vol.3, no.1, 2018 (Peer-Reviewed Journal)

IV.   **Structural health monitoring and damage assessment Part I A critical review of approaches and methods**
GÜNEŞ B., GÜNEŞ O.
International Journal of Physical Sciences, vol.8, no.34, pp.1694-1702, 2013 (Peer-Reviewed Journal)

V.   **Health monitoring of a Benchmark Structure using vibration data**
Güneş B.
RILEM Bookseries, vol.6, pp.1053-1058, 2012 (Scopus)

VI.   **Structural health monitoring and damage assessment Part II: Application of the damage locating vector (DLV) method to the ASCE benchmark structure experimental data**
Gunes B., GÜNEŞ O.
INTERNATIONAL JOURNAL OF PHYSICAL SCIENCES, vol.7, no.9, pp.1509-1515, 2012 (Peer-Reviewed Journal)

VII.   **Earthquake response spectra models incorporating fuzzy logic with statistics**
Wadia-Fascetti S., Güneş B.
Computer-Aided Civil and Infrastructure Engineering, vol.15, no.2, pp.134-146, 2000 (Scopus)

Metrics

Publication: 45
Citation (WoS): 152
Citation (Scopus): 229
H-Index (WoS): 5
H-Index (Scopus): 6

Non Academic Experience

Northeastern University