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Education Information

Doctorate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Turkey 2020 - Continues

Postgraduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Turkey 2017 - 2019

Undergraduate, Karadeniz Technical University, Mühendislik Fakültesi, Harita Mühendisliği, Turkey 2014 - 2017

Undergraduate, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, Turkey 2012 - 2017

Research Areas

Structural Engineering, Performance of Constructed Facilities, Earthquake Engineering, Masonry Structures

Academic Titles / Tasks

Research Assistant, Karadeniz Technical University, Fen Bilimleri Enstitüsü, -, 2021 - Continues

Research Assistant, Yalova University, 2019 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Impact of soil conditions and seismic codes on collapsed structures during the 2023 Kahramanmaraş, earthquakes: An in-depth study of 400 reinforced concrete buildings**
Sivrikaya O., Türker E., Cüre E., Atmaca E., Angin Z., Başağa H. B., Altunışık A. C.
SOIL DYNAMICS AND EARTHQUAKE ENGINEERING, vol.190, 2025 (SCI-Expanded)
- II. **Collapse of an RC Building Under Construction with a Flat Slab System: Reasons, Calculations, and FE Simulations**
ERTÜRK ATMACA E., ALTUNIŞIK A. C., GÜNAYDIN M., ATMACA B.
Buildings, vol.15, no.1, 2025 (SCI-Expanded)
- III. **Field Observations and Numerical Investigations on Seismic Damage Assessment of RC and Masonry Minarets During the February 6th, 2023, Kahramanmaraş (Mw 7.7 Pazarcık and Mw 7.6 Elbistan) Earthquakes in Türkiye**
Atmaca B., Ertürk Atmaca E., Roudane B., Güleş O., Demirkaya E., Aykanat B., Altunışık A. C., Günaydın M., Arslan M. E., Kahya V., et al.
INTERNATIONAL JOURNAL OF ARCHITECTURAL HERITAGE, 2024 (SCI-Expanded)
- IV. **Experimental measurement-based FE model updating and seismic response of Santa Maria Church and its guesthouse building**
ALTUNIŞIK A. C., GÜNAYDIN M., ERTÜRK ATMACA E., GENÇ A. F., OKUR F. Y., SEVİM B.

Journal of Civil Structural Health Monitoring, vol.14, no.3, pp.663-692, 2024 (SCI-Expanded)

- V. **Evaluation of earthquake-related damages on masonry structures due to the 6 February 2023 Kahramanmaraş,-Türkiye earthquakes: A case study for Hatay Governorship Building**
Kahya V., Genç A. F., Sunca F., Roudane B., Altunışık A. C., Yılmaz S., Günaydın M., Dok G., Kirtel O., Demir A., et al.
ENGINEERING FAILURE ANALYSIS, vol.156, 2024 (SCI-Expanded)
- VI. **Field Investigation on Reinforced Concrete and Masonry Buildings Damages after November 23, 2022 Gölyaka (Düzce) Earthquake**
Aykanat B., ERTÜRK E., Altunışık A. C., Aslan M. E.
Journal of Earthquake and Tsunami, vol.17, no.4, 2023 (SCI-Expanded)
- VII. **Evaluation of soil structure interaction effects on structural performance of historical masonry buildings considering earthquake input models**
GENÇ A. F., Ertürk Atmaca E., GÜNAYDIN M., ALTUNIŞIK A. C., SEVİM B.
STRUCTURES, vol.54, pp.869-889, 2023 (SCI-Expanded)
- VIII. **Numerical Simulation of Severe Damage to a Historical Masonry Building by Soil Settlement**
Ertürk Atmaca E., GENÇ A. F., ALTUNIŞIK A. C., GÜNAYDIN M., SEVİM B.
BUILDINGS, vol.13, no.8, 2023 (SCI-Expanded)
- IX. **Soil-Structure Interaction and Earthquake Input Models Effect on the Structural Response of the Santa Maria Church and Guesthouse Building**
ALTUNIŞIK A. C., GENÇ A. F., ERTÜRK E., GÜNAYDIN M., OKUR F. Y., SEVİM B.
JOURNAL OF EARTHQUAKE ENGINEERING, vol.27, no.14, pp.4094-4125, 2023 (SCI-Expanded)
- X. **Effect of Ground Motion Scaling Methods on Seismic Response of Masonry Clock Towers**
Erturk E., ALTUNIŞIK A. C., GENÇ A. F.
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY-TRANSACTIONS OF CIVIL ENGINEERING, vol.46, no.4, pp.3001-3024, 2022 (SCI-Expanded)
- XI. **FE model updating and seismic performance evaluation of a historical masonry clock tower**
GÜNAYDIN M., ERTÜRK E., GENÇ A. F., OKUR F. Y., ALTUNIŞIK A. C., TAVŞAN C.
EARTHQUAKES AND STRUCTURES, vol.22, no.1, pp.65-82, 2022 (SCI-Expanded)

Articles Published in Other Journals

- I. **Seismic damage assessment based on site observation following the Düzce (Gölyaka) earthquake (Mw = 5.9, November 23, 2022)**
ERTÜRK E., AYKANAT B., ALTUNIŞIK A. C., ARSLAN M. E.
Journal of Structural Engineering & Applied Mechanics (Online), vol.5, no.4, pp.197-221, 2022 (Peer-Reviewed Journal)
- II. **Effect of Damping Ratios on the Seismic Behavior of a Historical Masonry Guesthouse Building**
GENÇ A. F., ERTÜRK E., ALTUNIŞIK A. C., GÜNAYDIN M., OKUR F. Y.
Recep Tayyip Erdogan University Journal of Science and Engineering, vol.2, no.2, pp.60-71, 2021 (Peer-Reviewed Journal)

Papers Published in Refereed Scientific Meetings

- I. **Evaluation of the structural performance of a historical Turkish Hammam**
ERTÜRK ATMACA E., GENÇ A. F., ALTUNIŞIK A. C.
Proceedings of 3rd International Civil Engineering and Architecture Congress, Turkey, 12 October 2023
- II. **Ambient vibration based model updating of a historical masonry church**
ERTÜRK E., ALTUNIŞIK A. C., GENÇ A. F., GÜNAYDIN M., OKUR F. Y.
International Congress on Phenomenological Aspects in Civil Engineering, PACE 2023, Erzurum, Turkey, 20 - 23 June 2023

III. Evaluation of Damage Caused by Soil Settlements in a Historical Masonry Building

GENÇ A. F., ALTUNIŞIK A. C., ERTÜRK E.

The 4th International Conference on Advanced Technologies for Humanity (ICATH'2022), Marrakech, Morocco, 11 November 2022

Supported Projects

Sivrikaya O., Bayat E. E., Keleşođlu M. K., Günaydın M., Sunca F., TUBITAK Project, Investigation and Development of Design Criteria for the Disconnected Piled Raft Foundation System as an Alternative Approach to Piled Raft Foundation under Earthquake Excitations, 2025 - 2028

Sivrikaya O., Bayat E. E., Keleşođlu M. K., Günaydın M., Sunca F., Akçay B., Ertürk Atmaca E., Dikmenođlu B., Project Supported by Higher Education Institutions, Design and Development of Laminar Soil Container, 2024 - 2026

Metrics

Publication: 17

Citation (WoS): 28

Citation (Scopus): 57

H-Index (WoS): 3

H-Index (Scopus): 4