

## Res. Asst. OLGUHAN ŐEVKET KARAHASAN

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: AAT-3785-2020

ScopusID: 57201583509

Yoksis Researcher ID: 278352

### Education Information

Doctorate, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği/Geoteknik, Turkey 2017 - Continues

Postgraduate, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği/Yapı, Turkey 2015 - 2017

Undergraduate, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, Turkey 2010 - 2015

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Postgraduate, BETONARME BİNALARIN DİNAMİK DAVRANIŐINA LİFLİ POLİMER KOMPOZİT MALZEME ETKİSİNİN DENEYSEL VE ANALİTİK YÖNTEMLERLE BELİRLENMESİ, Karadeniz Technical University, İnşaat Mühendisliği/Yapı, 2017

### Research Areas

Civil Engineering, Geotechnical, Soil Mechanics, Soil Dynamics, Structure, Timber Structures, Earthquake Engineering, Repair and Strengthening in Buildings, Engineering and Technology

### Academic Titles / Tasks

Research Assistant, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2018 - Continues

### Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Evaluation of the Performance of Gabion Walls as a High-Energy Rockfall Protection System Using 3D Numerical Analysis: A Case Study**  
Angın Z., Karahasan O. Ş.  
APPLIED SCIENCES, vol.14, no.6, pp.2360-2381, 2024 (SCI-Expanded)
- II. **A new type notched slab approach for timber-concrete composite construction: Experimental and numerical investigation**  
YILMAZ S., KARAHASAN O. Ş., ALTUNIŞIK A. C., VURAL N., DEMİR S.  
STRUCTURAL ENGINEERING AND MECHANICS, vol.81, no.6, pp.737-750, 2022 (SCI-Expanded)
- III. **Ambient vibration test and modelling of historical timer mosques after restoration**  
ALTUNIŞIK A. C., KARAHASAN O. Ş., OKUR F. Y., Kalkan E., ÖZGAN K.  
PROCEEDINGS OF THE INSTITUTION OF CIVIL ENGINEERS-STRUCTURES AND BUILDINGS, vol.173, no.12, pp.956-968, 2020 (SCI-Expanded)
- IV. **Nonlinear Dynamic Response of a RC Frame for Different Structural Conditions Including the Effect of FE Model Updating**  
GÜNAYDIN M., GENÇ A. F., KARAHASAN O. Ş., ALTUNIŞIK A. C., OKUR F. Y., ADANUR S.  
INTERNATIONAL JOURNAL OF CIVIL ENGINEERING, vol.18, no.5, pp.551-567, 2020 (SCI-Expanded)
- V. **FE Model Updating and Dynamic Responses of Reconstructed Historical Timber Bridges using Ambient Vibration Test Results**  
Altunışık A. C., Kalkan E., Okur F. Y., Karahasan O. Ş., Özgan K.  
Journal Of Performance Of Constructed Facilities, vol.34, no.1, 2020 (SCI-Expanded)
- VI. **Finite-Element Model Updating and Dynamic Responses of Reconstructed Historical Timber Bridges using Ambient Vibration Test Results**  
ALTUNIŞIK A. C., KALKAN E., OKUR F. Y., KARAHASAN O. Ş., ÖZGAN K.  
JOURNAL OF PERFORMANCE OF CONSTRUCTED FACILITIES, vol.34, no.1, 2020 (SCI-Expanded)
- VII. **Non-destructive modal parameter identification of historical timber bridges using ambient vibration tests after restoration**  
ALTUNIŞIK A. C., KALKAN E., OKUR F. Y., ÖZGAN K., KARAHASAN O. Ş., Bostancı A.  
MEASUREMENT, vol.146, pp.411-424, 2019 (SCI-Expanded)
- VIII. **Ambient Vibration Test and FE Modelling of Historical Timber Mosques after Restoration**  
KALKAN E., ALTUNIŞIK A. C., KARAHASAN O. Ş., OKUR F. Y., ÖZGAN K.  
PROCEEDINGS OF THE INSTITUTION OF CIVIL ENGINEERS-STRUCTURES AND BUILDINGS, vol.--, 2019 (SCI-Expanded)
- IX. **Finite Element Model Updating and Dynamic Analysis of a Restored Historical Timber Mosque Based on Ambient Vibration Tests**  
ALTUNIŞIK A. C., KARAHASAN O. Ş., OKUR F. Y., KALKAN E., ÖZGAN K.  
JOURNAL OF TESTING AND EVALUATION, vol.47, no.5, pp.3533-3562, 2019 (SCI-Expanded)
- X. **Automated Model Updating Effect on the Linear and Nonlinear Dynamic Responses of Historical Masonry Structures**  
ALTUNIŞIK A. C., OKUR F. Y., GENÇ A. F., Guenaydin M., KARAHASAN O. Ş.  
EXPERIMENTAL TECHNIQUES, vol.42, no.6, pp.605-621, 2018 (SCI-Expanded)
- XI. **Effect of Fiber-Reinforced Polymer Strengthening on Dynamic Characteristics of Reinforced Concrete Frame Using Model Updating**  
ALTUNIŞIK A. C., KARAHASAN O. Ş., GENÇ A. F., OKUR F. Y., GÜNAYDIN M., KALKAN E., ADANUR S.  
ACI STRUCTURAL JOURNAL, vol.115, no.6, pp.1589-1601, 2018 (SCI-Expanded)
- XII. **Dynamic response of a historical armory building using the finite element model validated by the ambient vibration test**  
ALTUNIŞIK A. C., GENÇ A. F., Gunaydin M., OKUR F. Y., KARAHASAN O. Ş.  
JOURNAL OF VIBRATION AND CONTROL, vol.24, no.22, pp.5472-5484, 2018 (SCI-Expanded)
- XIII. **Sensitivity-Based Model Updating of Building Frames using Modal Test Data**  
ALTUNIŞIK A. C., KARAHASAN O. Ş., GENÇ A. F., OKUR F. Y., Gunaydin M., ADANUR S.  
KSCE JOURNAL OF CIVIL ENGINEERING, vol.22, no.10, pp.4038-4046, 2018 (SCI-Expanded)

- XIV. **Modal parameter identification of RC frame under undamaged, damaged, repaired and strengthened conditions**  
ALTUNIŞIK A. C., KARAHASAN O. Ş., GENÇ A. F., OKUR F. Y., Gunaydin M., KALKAN E., ADANUR S.  
MEASUREMENT, vol.124, pp.260-276, 2018 (SCI-Expanded)

### **Refereed Congress / Symposium Publications in Proceedings**

- I. **Investigation of the effect of soil on structural behavior using shaking table**  
Angın Z., Karahasan O. Ş., İkizler S. B.  
International Civil Engineering and Architecture Congress (ICEARC'23), Trabzon, Turkey, 12 - 14 October 2023, vol.1, pp.488-500
- II. **Structural health monitoring using video camera-based vibration analysis**  
Haciefendioğlu K., Karahasan O. Ş., Bostan A., Aleit H.  
International Civil Engineering and Architecture Congress (ICEARC'23), Trabzon, Turkey, 12 - 14 October 2023, vol.1, pp.1038-1046
- III. **Farklı Malzeme Özelliklerine Sahip Zeminlerin Betonarme Yapıların Dinamik Davranışı Üzerindeki Etkisi**  
Angın Z., Karahasan O. Ş., İkizler S. B.  
ZEMİN MEKANIGI ve GEOTEKNİK MÜHENDİSLİĞİ 18. ULUSAL KONFERANSI, Kayseri, Turkey, 29 - 30 September 2022, pp.787-797
- IV. **Updating the FE Model of the Traditional Hımış Mansion Using Experimental Modal Analysis Measurement Results**  
Altunışık A. C., Meral M., Kalkan Okur E., Genç A. F., Günaydın M., Okur F. Y., Karahasan O. Ş., Yılmaz Z.  
International IDU Engineering Symposium – IES'20 , Trabzon, Turkey, 5 - 13 December 2020, vol.1, no.1, pp.1-10
- V. **Examining The Effect Of Structure-Soil Interaction On Structural Behavior**  
Angın Z., Karahasan O. Ş., İkizler S. B.  
International IDU Engineering Symposium, İzmir, Turkey, 5 - 13 December 2020, vol.1, no.1, pp.1-6
- VI. **GEOMEMBRAN/GEOTEKSTİL KOMPOZİT İZOLASYON SİSTEMİNİN FARKLI MALZEME ÖZELLİKLERİNE SAHİP YAPILAR İÇİN DİNAMİK DAVRANIŞ ÜZERİNDEKİ ETKİSİNİN BELİRLENMESİ**  
ANGIN Z., KARAHASAN O. Ş., İKİZLER S. B.  
Yapı Mekaniği Laboratuvarları Çalıştayı, Konya, Turkey, 4 - 05 October 2019, vol.-, pp.131-136
- VII. **Numerical Investigation of The Effects of Soil-Structure Interaction On Dynamic Characteristics**  
ANGIN Z., KARAHASAN O. Ş., İKİZLER S. B.  
International Civil Engineering and Architecture Conference 2019, Trabzon, Turkey, 17 - 20 April 2019, pp.447-452
- VIII. **Fe Model Updating Effect On The Nonlinear Dynamic Response Of RC Building Frame Model**  
ALTUNIŞIK A. C., KARAHASAN O. Ş.  
International Civil Engineering and Architecture Conference 2019, Trabzon, Turkey, 17 - 20 April 2019, vol.-
- IX. **Damage Effect on the Dynamic Characteristics of Buildings**  
ALTUNIŞIK A. C., Karahasan O. Ş., GENÇ A. F., Okur F. Y., GÜNAYDIN M., ADANUR S.  
2nd International Conference on Advanced Engineering Technologies, 21 September - 23 October 2017
- X. **Evaluation of Dynamic Response of Reinforced Concrete Buildings by Operational Modal Analysis Method**  
ALTUNIŞIK A. C., Karahasan O. Ş., Okur F. Y., GENÇ A. F., GÜNAYDIN M., ADANUR S.  
4. Uluslararası Deprem Mühendisliği ve Sismoloji Konferansı, 11 - 13 October 2017
- XI. **Ambient Vibration Tests of Historical Masonry Buildings for Structural Condition Assessment**  
ALTUNIŞIK A. C., GENÇ A. F., GÜNAYDIN M., Okur F. Y., Karahasan O. Ş., ADANUR S.  
2nd International Conference on Civil and Environmental Engineering (ICOCEE-Cappadocia), 8 - 10 May 2017

## **Metrics**

Publication: 25

Citation (WoS): 131

Citation (Scopus): 152

H-Index (WoS): 7

H-Index (Scopus): 7