

## Prof. AHMET CAN ALTUNIŐIK

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ScopusID: 23395831800

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### Education Information

Doctorate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği Bölümü, Turkey 2004 - 2010

Undergraduate, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, Turkey 2000 - 2004

### Foreign Languages

English, C1 Advanced

### Certificates, Courses and Trainings

Occupational Health and Safety, İşyeri Hekimliği ve İş Güvenliği Uzmanlığı Eğitici Belgesi, T.C. Çalışma ve Sosyal Güvenlik Bakanlığı, 2013

Education Management and Planning, Deprem Bölgelerinde Yapılacak Binalar Hakkında Yönetmelik, T.C. Çevre ve Şehircilik Bakanlığı, 2012

### Dissertations

Doctorate, Karayolu Köprülerinin Yapısal Davranışlarının Analitik ve Deneysel Yöntemlerle Belirlenmesi, Karadeniz Technical University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği Bölümü, 2010

### Research Areas

Civil Engineering, Structure, Buildings (industrial, commercial and public), Structural Engineering, Steel Structures, Timber Structures, Performance of Constructed Facilities, Earthquake Engineering, Masonry Structures, Engineering and Technology

## Academic Titles / Tasks

Professor, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2018 - Continues  
Associate Professor, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2012 - 2018  
Assistant Professor, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2011 - 2012  
Research Assistant, Karadeniz Technical University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği Bölümü, 2005 - 2010

## Academic and Administrative Experience

Deputy Head of Department, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2014 - 2016

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

- I. **Seismic performance assessment of a base-isolated hospital building subjected to February 6, 2023, Kahramanmaraş, Türkiye earthquakes (Mw 7.7 Pazarcık and Mw 7.6 Elbistan) and seismic fragility analysis considering different construction stages**  
Şen F., SUNCA F., ALTUNIŞIK A. C.  
Soil Dynamics and Earthquake Engineering, vol.185, 2024 (SCI-Expanded)
- II. **Performance-based fire assessment of a fully automated multi-storey steel parking structure: A computational approach**  
Mostofi S., Baltacı A., Akbulut Y. E., Okur F. Y., Altunışık A. C.  
Case Studies in Thermal Engineering, vol.60, 2024 (SCI-Expanded)
- III. **Ambient Vibration-Based Seismic Evaluation of Long-Span Prestressed Concrete Box-Girder Bridges Under Long-Duration, Near-Fault and Far-Fault Ground Motions**  
ALTUNIŞIK A. C., SUNCA F., SEVİM B.  
JOURNAL OF EARTHQUAKE AND TSUNAMI, 2024 (SCI-Expanded)
- IV. **Structural response of half-scale pumice concrete masonry building: shake table/ambient vibration tests and FE analysis**  
Kaya A., Roudane B., Adanur S., SUNCA F., GENÇ A. F., GÜNAYDIN M., ALTUNIŞIK A. C.  
MECCANICA, vol.59, no.7, pp.1159-1190, 2024 (SCI-Expanded)
- V. **Numerical and Experimental Investigation on Cyclic Behavior of Masonry Infill Walls Retrofitted with CFRP**  
Roudane B., ADANUR S., ALTUNIŞIK A. C.  
International Journal of Civil Engineering, vol.22, no.7, pp.1117-1136, 2024 (SCI-Expanded)
- VI. **Estimation of Damage Levels in Masonry Structures Following Earthquake Impact Using Deep Learning-based Segmentation Method**  
HACIEFENDİOĞLU K., ÖZGAN K., ADANUR S., ALTUNIŞIK A. C., Demirer B., GÜNAYDIN M.  
Journal of Earthquake and Tsunami, vol.18, no.2, 2024 (SCI-Expanded)
- VII. **Dynamic characteristics changes of masonry arches exposed to elevated temperature**  
ALTUNIŞIK A. C., ÖZTÜRK M. M., GENÇ A. F., GÜNAYDIN M., KAYA A., AKBULUT Y. E., SUNCA F.  
Construction and Building Materials, vol.418, 2024 (SCI-Expanded)
- VIII. **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)
- IX. **Automatic Detection of Collapsed Buildings after the 6 February 2023 Türkiye Earthquakes Using Post-Disaster Satellite Images with Deep Learning-Based Semantic Segmentation Models**  
HACIEFENDİOĞLU K., BAŞAĞA H. B., KAHYA V., ÖZGAN K., ALTUNIŞIK A. C.  
BUILDINGS, vol.14, no.3, 2024 (SCI-Expanded)
- X. **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., ALTUNIŞIK A. C., Yılmaz S., GÜNAYDIN M., Dok G., Kirtel O., Demir A., et al.

Engineering Failure Analysis, vol.156, 2024 (SCI-Expanded)

- XI. **A Simulation-Based Investigation on Thermal Responses of Suspension Bridge Tower Under Different Fire Scenarios**  
Mostofi S., ALTUNIŞIK A. C., AKBULUT Y. E., OKUR F. Y.  
Arabian Journal for Science and Engineering, 2024 (SCI-Expanded)
- XII. **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., ALTUNIŞIK A. C., GÜNAYDIN M., Arslan M. E., KAHYA V., et al.  
International Journal of Architectural Heritage, 2024 (SCI-Expanded)
- XIII. **Experimental Study of the Effect of Different Insulation Schemes on Fire Performance of FRP Strengthened Concrete: FIRECOAT and REALROCK**  
ALTUNIŞIK A. C., AKBULUT Y. E., ADANUR S., GÜNAYDIN M., Mostofi S., Mosallam A.  
International Journal of Concrete Structures and Materials, vol.17, no.1, 2023 (SCI-Expanded)
- XIV. **Field Observations and Damage Evaluation in Reinforced Concrete Buildings After the February 6th, 2023, Kahramanmaraş-Türkiye Earthquakes**  
Altunışık A. C., Arslan M. E., Kahya V., Aslan B., Sezdirmez T., Dok G., Kirtel O., Öztürk H., Sunca F., Baltacı A., et al.  
JOURNAL OF EARTHQUAKE AND TSUNAMI, vol.17, no.6, 2023 (SCI-Expanded)
- XV. **Enhanced Modal Participation Ratio-Based Structural Damage Identification: A New Filtering Approach Using Modal Assurance Criteria**  
Yılmaz Z., OKUR F. Y., GÜNAYDIN M., ALTUNIŞIK A. C.  
Buildings, vol.13, no.10, 2023 (SCI-Expanded)
- XVI. **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)
- XVII. **Evaluating the high-temperature endurance of FRP-strengthened concrete using an innovative insulation system: Experimental investigation**  
Altunışık A. C., Akbulut Y. E., Adanur S., Kaya A., Günaydın M., Mostofi S., Mosallam A.  
JOURNAL OF BUILDING ENGINEERING, vol.73, 2023 (SCI-Expanded)
- XVIII. **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)
- XIX. **Progressive collapse assessment of Osmangazi Suspension Bridge due to sudden hanger breakage under different loading conditions**  
Kalkan Okur E., OKUR F. Y., ALTUNIŞIK A. C., GÜNAYDIN M., ADANUR S.  
ENGINEERING FAILURE ANALYSIS, vol.149, 2023 (SCI-Expanded)
- XX. **A Parametric Study on Damage Assessment of RC Buildings Subjected to Blast Loading**  
ALTUNIŞIK A. C., Önalın F., SUNCA F.  
Arabian Journal for Science and Engineering, vol.48, no.4, pp.5115-5137, 2023 (SCI-Expanded)
- XXI. **Diagnosis and Monitoring of Historical Timber Velipasa Han Building Prior to Restoration**  
GÜNAYDIN M., DEMİRKİR C., ALTUNIŞIK A. C., GEZER E. D., GENÇ A. F., OKUR F. Y.  
INTERNATIONAL JOURNAL OF ARCHITECTURAL HERITAGE, vol.17, no.2, pp.285-309, 2023 (SCI-Expanded)
- XXII. **Modal parameter identification and seismic assessment of historical timber structures under near-fault and far-fault ground motions**  
Can Altunışık A. C., SUNCA F., SEVİM B.  
STRUCTURES, vol.47, pp.1624-1651, 2023 (SCI-Expanded)
- XXIII. **Post-earthquake damage assessments of unreinforced masonry (URM) buildings by shake table test**

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Kaya A., ADANUR S., Bello R. A., GENÇ A. F., OKUR F. Y., SUNCA F., GÜNAYDIN M., ALTUNIŞIK A. C., SEVİM B.  
Engineering Failure Analysis, vol.143, 2023 (SCI-Expanded)

- XXIV. **Influence of earthquake angle on seismic performance of concrete highway bridges**  
ALTUNIŞIK A. C., Okur E. K.  
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- XXV. **Post-Earthquake Damage Assessments of Historic Mosques and Effects of Near-Fault and Far-Fault Ground Motions on Seismic Responses**  
Altunışık A. C., Sunca F., Genç A. F., Tavşan C.  
INTERNATIONAL JOURNAL OF ARCHITECTURAL HERITAGE, vol.17, no.7, pp.1043-1078, 2023 (SCI-Expanded)
- XXVI. **Modal participation ratio in damage identification of building structures: A numerical validation**  
YILMAZ Z., OKUR F. Y., GÜNAYDIN M., ALTUNIŞIK A. C.  
JVC/Journal of Vibration and Control, 2023 (SCI-Expanded)
- XXVII. **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)
- XXVIII. **Experimental investigation on new mechanical systems effectiveness to reduce the coupling beam damages**  
Sesli H., HÜSEM M., SUNCA F., ALTUNIŞIK A. C., OKUR F. Y.  
BULLETIN OF EARTHQUAKE ENGINEERING, vol.21, no.1, pp.535-582, 2023 (SCI-Expanded)
- XXIX. **Timber vernacular structures: 'Serender' Turkish storage buildings in Eastern Black Sea Region**  
LAKOT ALEMDAĞ E., AL ŞENSOY S., TAVŞAN F., GÜNAYDIN M., GENÇ A. F., YILMAZ Z., ALTUNIŞIK A. C.  
Journal of Architectural Conservation, vol.29, no.3, pp.193-213, 2023 (AHCI)
- XXX. **Structural condition assessment of a historical masonry school building using experimental and numerical methods**  
GÜNAYDIN M., GENÇ A. F., Altunsisk A. C., HACIEFENDİOĞLU K., OKUR F. Y., Okur E., ADANUR S.  
JOURNAL OF CIVIL STRUCTURAL HEALTH MONITORING, vol.12, no.5, pp.1083-1113, 2022 (SCI-Expanded)
- XXXI. **Automated Estimation of Exposed Temperature and Strength Changing Ratio for Fire-Damaged Concrete Using Deep Learning Method**  
Haciefendioğlu K., Akbulut Y. E., Nayır S., Başağa H. B., Altunışık A. C.  
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- XXXII. **Automatic Estimation of Post-fire Compressive Strength Reduction of Masonry Structures Using Deep Convolutional Neural Network**  
HACIEFENDİOĞLU K., GENÇ A. F., NAYIR S., AYAS S., ALTUNIŞIK A. C.  
FIRE TECHNOLOGY, vol.58, no.5, pp.2779-2809, 2022 (SCI-Expanded)
- XXXIII. **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)
- XXXIV. **Dynamic Characteristics Monitoring Changes of Damaged and Retrofitted RC Buildings**  
GÜNAYDIN M., ADANUR S., ALTUNIŞIK A. C., Mosallam A., SEVİM B.  
EXPERIMENTAL TECHNIQUES, vol.46, no.3, pp.457-484, 2022 (SCI-Expanded)
- XXXV. **Experimental Investigation on Dynamic Characteristics Changes of Fire Exposed Reinforced Concrete and Steel Members**  
Altunışık A. C., Akbulut Y. E., Başağa H. B., Mostofi S., Mosallam A., Wafa L. F.  
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- XXXVI. **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)

- XXXVII. **Nondestructive Experimental Measurement, Model Updating, and Fatigue Life Assessment of carsamba Suspension Bridge**  
GÜNAYDIN M., SUNCA F., ALTUNIŞIK A. C., Ergun M., OKUR F. Y.  
JOURNAL OF BRIDGE ENGINEERING, vol.27, no.2, 2022 (SCI-Expanded)
- XXXVIII. **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)
- XXXIX. **Effects of Concrete Strength and Openings in Infill Walls on Blasting Responses of RC Buildings Subjected to TNT Explosive**  
ALTUNIŞIK A. C., Onalan F., SUNCA F.  
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY-TRANSACTIONS OF CIVIL ENGINEERING, vol.45, no.4, pp.2525-2554, 2021 (SCI-Expanded)
- XL. **Multiple damage detection in laminated composite beams using automated model update**  
Kahya V., Okur F. Y., Şimşek S., Altunışık A. C., Aslan M.  
STRUCTURES, vol.34, pp.1665-1683, 2021 (SCI-Expanded)
- XL1. **Assessment of Structural Damage Following the October 30, 2020 Aegean Sea Earthquake and Tsunami**  
ALTUNIŞIK A. C., ATMACA B., Kartal M. E., GÜNAYDIN M., DEMİR S., Ulsan A.  
JOURNAL OF EARTHQUAKE AND TSUNAMI, vol.15, no.06, 2021 (SCI-Expanded)
- XLII. **Dynamic response of a traditional himis, mansion using updated FE model with operational modal testing**  
Okur E. K., ALTUNIŞIK A. C., OKUR F. Y., Meral M., YILMAZ Z., GÜNAYDIN M., GENÇ A. F.  
JOURNAL OF BUILDING ENGINEERING, vol.43, 2021 (SCI-Expanded)
- XLIII. **Modal identification and fatigue behavior of Eynel steel arch highway bridge with calibrated models**  
SUNCA F., Ergun M., ALTUNIŞIK A. C., GÜNAYDIN M., OKUR F. Y.  
JOURNAL OF CIVIL STRUCTURAL HEALTH MONITORING, vol.11, no.5, pp.1337-1354, 2021 (SCI-Expanded)
- XLIV. **Effects of the vertical component of ground motion on the seismic performance of Bhakra Gravity Dam**  
Sevim B., Altunışık A. C., Günaydın M.  
ADVANCES IN CONCRETE CONSTRUCTION, vol.12, no.3, pp.243-255, 2021 (SCI-Expanded)
- XLV. **Performance Evaluation of Reinforced Concrete Buildings During the Sivrice-Elazığ Earthquake (M-w=6.8, January 24, 2020) in Accordance with Turkish Earthquake Code**  
DEMİR S., GÜNAYDIN M., ATMACA B., ALTUNIŞIK A. C., HÜSEM M., ADANUR S., ANGIN Z., ATEŞ Ş.  
JOURNAL OF EARTHQUAKE AND TSUNAMI, vol.15, no.04, 2021 (SCI-Expanded)
- XLVI. **Assessment of modal characteristics of cross-laminated timber beams subject to successive damages**  
GENÇ A. F., KAHYA V., ALTUNIŞIK A. C., GÜNAYDIN M., DEMİRKİR C.  
ARCHIVES OF CIVIL AND MECHANICAL ENGINEERING, vol.21, no.3, 2021 (SCI-Expanded)
- XLVII. **Numerical investigation on dynamic characteristics changes of RC columns and frames under elevated temperature**  
Akbulut Y. E., Altunışık A. C., Başağa H. B., Mostofi S., Mosallam A., Wafa L. F.  
COMPUTERS AND CONCRETE, vol.28, no.2, pp.149-187, 2021 (SCI-Expanded)
- XLVIII. **Deformation modulus of rock foundation in Deriner Arch Dam**  
Yılmaz D., ALTUNIŞIK A. C., ADANUR S.  
GEOMECHANICS AND ENGINEERING, vol.26, no.1, pp.63-75, 2021 (SCI-Expanded)
- XLIX. **Elevated Temperature Effect on the Dynamic Characteristics of Steel Columns and Frames**  
Akbulut Y. E., Altunışık A. C., Başağa H. B., Mostofi S., Mosallam A., Wafa L. F.  
INTERNATIONAL JOURNAL OF STEEL STRUCTURES, vol.21, no.3, pp.861-882, 2021 (SCI-Expanded)
- L. **Optimal sensor placements for system identification of concrete arch dams**  
ALTUNIŞIK A. C., SEVİM B., SUNCA F., OKUR F. Y.  
ADVANCES IN CONCRETE CONSTRUCTION, vol.11, no.5, pp.397-407, 2021 (SCI-Expanded)
- LI. **Seismic damage assessment of masonry buildings in Elazığ and Malatya following the 2020 Elazığ-**

**Sivrice earthquake, Turkey**

GÜNAYDIN M., ATMACA B., DEMİR S., ALTUNIŞIK A. C., HÜSEM M., ADANUR S., ATEŞ Ş., ANGIN Z.  
BULLETIN OF EARTHQUAKE ENGINEERING, vol.19, no.6, pp.2421-2456, 2021 (SCI-Expanded)

- LII. **Residual mechanical properties of triaxial CFRP laminates after thermal cycling and ultraviolet radiation exposure of composite bridge members**  
Mosallam A. S., Xin H., Salama M. A., ALTUNIŞIK A. C., ADANUR S., Elmikawi M.  
STRUCTURES, vol.30, pp.166-173, 2021 (SCI-Expanded)
- LIII. **Damage Localization in Laminated Composite Beams with Multiple Edge Cracks Based on Vibration Measurements**  
KAHYA V., Karaca S., OKUR F. Y., ALTUNIŞIK A. C., ASLAN M.  
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY-TRANSACTIONS OF CIVIL ENGINEERING, vol.45, no.1, pp.75-87, 2021 (SCI-Expanded)
- LIV. **Optimal Sensor Placement for Laminated Composite and Steel Cantilever Beams by the Effective Independence Method**  
SUNCA F., Okur F. Y., Altunisik A. C., Kahya V.  
STRUCTURAL ENGINEERING INTERNATIONAL, vol.31, no.1, pp.85-92, 2021 (SCI-Expanded)
- LV. **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)
- LVI. **Numerical and Experimental Investigation on Dynamic Characteristic Changes of Encased Steel Profile Before and After Cyclic Loading Tests**  
Nasery M. M., HÜSEM M., OKUR F. Y., ALTUNIŞIK A. C.  
INTERNATIONAL JOURNAL OF CIVIL ENGINEERING, vol.18, no.12, pp.1411-1431, 2020 (SCI-Expanded)
- LVII. **Field Investigation on the Performance of Mosques and Minarets during the Elazig-Sivrice Earthquake**  
ATMACA B., DEMİR S., GÜNAYDIN M., ALTUNIŞIK A. C., HÜSEM M., ATEŞ Ş., ADANUR S., ANGIN Z.  
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- LVIII. **Model updating-based automated damage detection of concrete-encased composite column-beam connections**  
Nasery M. M., HÜSEM M., OKUR F. Y., ALTUNIŞIK A. C., Nasery M. E.  
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- LIX. **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)
- LX. **Damage effect on experimental modal parameters of haunch strengthened concrete-encased composite column-beam connections**  
Nasery M. M., HÜSEM M., OKUR F. Y., ALTUNIŞIK A. C.  
INTERNATIONAL JOURNAL OF DAMAGE MECHANICS, vol.29, no.2, pp.297-334, 2020 (SCI-Expanded)
- LXI. **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.  
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- LXII. **Optimal Sensor Placement for Laminated Composite and Steel Cantilever Beams by Effective Independence Method**  
Sunca F., OKUR F. Y., ALTUNIŞIK A. C., KAHYA V.  
STRUCTURAL ENGINEERING INTERNATIONAL, vol.--, 2019 (SCI-Expanded)
- LXIII. **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., Bostanci A.

- MEASUREMENT, vol.146, pp.411-424, 2019 (SCI-Expanded)
- LXIV. **Dynamic analyses of experimentally-updated FE model of historical masonry clock towers using site-specific seismic characteristics and scaling parameters according to the 2018 Turkey building earthquake code**  
GENÇ A. F., Ergun M., GÜNAYDIN M., ALTUNIŞIK A. C., ATEŞ Ş., OKUR F. Y., Mosallam A. S.  
ENGINEERING FAILURE ANALYSIS, vol.105, pp.402-426, 2019 (SCI-Expanded)
- LXV. **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)
- LXVI. **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)
- LXVII. **Annular Cylindrical Liquid Column Dampers for Control of Structural Vibrations**  
ALTUNIŞIK A. C., Yetişken A., KAHYA V.  
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY-TRANSACTIONS OF CIVIL ENGINEERING, vol.43, no.3, pp.479-490, 2019 (SCI-Expanded)
- LXVIII. **Free vibrations of laminated composite beams with multiple edge cracks: Numerical model and experimental validation**  
KAHYA V., Karaca S., OKUR F. Y., ALTUNIŞIK A. C., ASLAN M.  
INTERNATIONAL JOURNAL OF MECHANICAL SCIENCES, vol.159, pp.30-42, 2019 (SCI-Expanded)
- LXIX. **Structural response of historical masonry arch bridges under different arch curvature considering soil-structure interaction**  
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**II. Fire Risk Assessment of Suspension Bridge Towers under Varying Vehicle Load Conditions: A Simulation Study**

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## Activities in Scientific Journals

Journal Of Bridge Engineering, Committee Member, 2013 - Continues

## Scientific Refereeing

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ACI STRUCTURAL JOURNAL, SCI Journal, August 2020  
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## Metrics

Publication: 360

Citation (WoS): 2562

Citation (Scopus): 2906

H-Index (WoS): 26

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## Awards

Altunışık A. C., ODTU Mustafa Parlar Araştırma Teşvik ödülünü, Odtu Mustafa Parlar Vakfı, December 2020

Altunışık A. C., TÜBA-ÜSTÜN BAŞARILI GENÇ BİLİM İNSANI ÖDÜLLERİ (GEBİP), Tüba Türkiye Bilimler Akademisi, December 2020

Altunışık A. C., Mühendislik Fakültesi, Uluslararası Bilimsel Dergilerde (SCI) Yapılan Yayınlar a ait Derece Ödülü (Fakülte 1.'liği), Karadeniz Teknik Üniversitesi, June 2020

Altunışık A. C., Yılın En Başarılı Bilim İnsanı Ödülü, Karadeniz Teknik Üniversitesi, June 2020

ALTUNIŞIK A. C., 4th Academic Brilliance Awards-2016, Research & Branding Company Educationexpo, February 2016