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Yoksis Araştırmacı ID: 53448

Eğitim Bilgileri

Doktora, Karadeniz Teknik Üniversitesi, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği Bölümü, Türkiye 2004 - 2010

Lisans, Karadeniz Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, Türkiye 2000 - 2004

Yabancı Diller

İngilizce, C1 İleri

Sertifika, Kurs ve Eğitimler

İş Sağlığı ve Güvenliği, İşyeri Hekimliği ve İş Güvenliği Uzmanlığı Eğitici Belgesi, T.C. Çalışma ve Sosyal Güvenlik Bakanlığı, 2013

Eğitim Yönetimi ve Planlama, Deprem Bölgelerinde Yapılacak Binalar Hakkında Yönetmelik, T.C. Çevre ve Şehircilik Bakanlığı, 2012

Yaptığı Tezler

Doktora, Karayolu Köprülerinin Yapısal Davranışlarının Analitik ve Deneysel Yöntemlerle Belirlenmesi, Karadeniz Teknik Üniversitesi, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği Bölümü, 2010

Araştırma Alanları

İnşaat Mühendisliği, Yapı, Bina Türleri (Endüstriyel, Ticari, Kamu, Mesken vb), Yapı Mühendisliği, Çelik Yapılar, Ahşap Yapılar, Yapıların Performansı, Deprem Mühendisliği, Yığma Yapılar, Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Prof. Dr., Karadeniz Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği, 2018 - Devam Ediyor
Doç. Dr., Karadeniz Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği, 2012 - 2018
Yrd. Doç. Dr., Karadeniz Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği, 2011 - 2012
Araştırma Görevlisi, Karadeniz Teknik Üniversitesi, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği Bölümü, 2005 - 2010

Akademik İdari Deneyim

Bölüm Başkan Yardımcısı, Karadeniz Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği, 2014 - 2016

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayımlanan Makaleler

- I. **Performance-based fire assessment of a fully automated multi-storey steel parking structure: A computational approach**
Mostofi S., BALTACI A., Emrahan Akbulut Y., OKUR F. Y., ALTUNIŞIK A. C.
Case Studies in Thermal Engineering, cilt.60, 2024 (SCI-Expanded)
- II. **Numerical and Experimental Investigation on Cyclic Behavior of Masonry Infill Walls Retrofitted with CFRP**
Roudane B., ADANUR S., ALTUNIŞIK A. C.
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- III. **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., Demirel B., GÜNAYDIN M.
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- IV. **Dynamic characteristics changes of masonry arches exposed to elevated temperature**
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- V. **Experimental measurement-based FE model updating and seismic response of Santa Maria Church and its guesthouse building**
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- VI. **Automatic Detection of Collapsed Buildings after the 6 February 2023 Türkiye Earthquakes Using Post-Disaster Satellite Images with Deep Learning-Based Semantic Segmentation Models**
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- VII. **Evaluation of earthquake-related damages on masonry structures due to the 6 February 2023 Kahramanmaraş-Türkiye earthquakes: A case study for Hatay Governorship Building**
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Engineering Failure Analysis, cilt.156, 2024 (SCI-Expanded)
- VIII. **A Simulation-Based Investigation on Thermal Responses of Suspension Bridge Tower Under Different Fire Scenarios**
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Arabian Journal for Science and Engineering, 2024 (SCI-Expanded)
- IX. **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.
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- X. **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.
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- XI. **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.
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- XII. **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.
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- XIII. **Numerical Simulation of Severe Damage to a Historical Masonry Building by Soil Settlement**
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- XIV. **Evaluating the high-temperature endurance of FRP-strengthened concrete using an innovative insulation system: Experimental investigation**
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- XV. **Evaluation of soil structure interaction effects on structural performance of historical masonry buildings considering earthquake input models**
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- XVI. **Progressive collapse assessment of Osmangazi Suspension Bridge due to sudden hanger breakage under different loading conditions**
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- XVII. **A Parametric Study on Damage Assessment of RC Buildings Subjected to Blast Loading**
ALTUNIŞIK A. C., Önalın F., SUNCA F.
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- XVIII. **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.
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- XIX. **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.
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- XX. **Modal participation ratio in damage identification of building structures: A numerical validation**
YILMAZ Z., OKUR F. Y., GÜNAYDIN M., ALTUNIŞIK A. C.
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- XXI. **Soil-Structure Interaction and Earthquake Input Models Effect on the Structural Response of the Santa Maria Church and Guesthouse Building**
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- XXII. **Diagnosis and Monitoring of Historical Timber Velipasa Han Building Prior to Restoration**
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- XXIII. **Experimental investigation on new mechanical systems effectiveness to reduce the coupling beam damages**
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- XXIV. **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, cilt.17, sa.7, ss.1043-1078, 2023 (SCI-Expanded)
- XXV. **Post-earthquake damage assessments of unreinforced masonry (URM) buildings by shake table test and numerical visualization**
Kaya A., ADANUR S., Bello R. A., GENÇ A. F., OKUR F. Y., SUNCA F., GÜNAYDIN M., ALTUNIŞIK A. C., SEVİM B.
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- XXVI. **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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- XXVII. **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.
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- XXVIII. **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.
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- XXIX. **Effect of Ground Motion Scaling Methods on Seismic Response of Masonry Clock Towers**
Erturk E., ALTUNIŞIK A. C., GENÇ A. F.
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- XXX. **Dynamic Characteristics Monitoring Changes of Damaged and Retrofitted RC Buildings**
GÜNAYDIN M., ADANUR S., ALTUNIŞIK A. C., Mosallam A., SEVİM B.
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- XXXI. **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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- XXXII. **A new type notched slab approach for timber-concrete composite construction: Experimental and numerical investigation**
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- XXXIII. **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.
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- XXXIV. **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.
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- XXXV. **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.
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- XXXVI. **Multiple damage detection in laminated composite beams using automated model update**
Kahya V., Okur F. Y., Şimşek S., Altunışık A. C., Aslan M.
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- XXXVII. **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.

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- XXXVIII. **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.
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- XXXIX. **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, cilt.11, sa.5, ss.1337-1354, 2021 (SCI-Expanded)
- XL. **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, cilt.12, sa.3, ss.243-255, 2021 (SCI-Expanded)
- XLI. **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, cilt.21, sa.3, 2021 (SCI-Expanded)
- XLII. **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, cilt.28, sa.2, ss.149-187, 2021 (SCI-Expanded)
- XLIII. **Performance Evaluation of Reinforced Concrete Buildings During the Sivrice-Elazig 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.
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- XLIV. **Deformation modulus of rock foundation in Deriner Arch Dam**
Yılmaz D., ALTUNIŞIK A. C., ADANUR S.
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- XLV. **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.
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- XLVI. **Optimal sensor placements for system identification of concrete arch dams**
ALTUNIŞIK A. C., SEVİM B., SUNCA F., OKUR F. Y.
ADVANCES IN CONCRETE CONSTRUCTION, cilt.11, sa.5, ss.397-407, 2021 (SCI-Expanded)
- XLVII. **Seismic damage assessment of masonry buildings in Elazig and Malatya following the 2020 Elazig-Sivrice earthquake, Turkey**
GÜNAYDIN M., ATMACA B., DEMİR S., ALTUNIŞIK A. C., HÜSEM M., ADANUR S., ATEŞ Ş., ANGIN Z.
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- XLVIII. **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.
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- XLIX. **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, cilt.45, sa.1, ss.75-87, 2021 (SCI-Expanded)
- L. **Optimal Sensor Placement for Laminated Composite and Steel Cantilever Beams by the Effective Independence Method**
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- LI. **Field Investigation on the Performance of Mosques and Minarets during the Elazig-Sivrice Earthquake**
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- LII. **Ambient vibration test and modelling of historical timer mosques after restoration**
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- LIII. **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, cilt.18, sa.12, ss.1411-1431, 2020 (SCI-Expanded)
- LIV. **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.
STRUCTURAL CONTROL & HEALTH MONITORING, cilt.27, sa.10, 2020 (SCI-Expanded)
- LV. **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.
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- LVI. **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, cilt.29, sa.2, ss.297-334, 2020 (SCI-Expanded)
- LVII. **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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- LVIII. **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, cilt---, 2019 (SCI-Expanded)
- LIX. **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.
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- LX. **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, cilt.146, ss.411-424, 2019 (SCI-Expanded)
- LXI. **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, cilt---, 2019 (SCI-Expanded)
- LXII. **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, cilt.43, sa.3, ss.479-490, 2019 (SCI-Expanded)
- LXIII. **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.
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- LXIV. **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, cilt.159, ss.30-42, 2019 (SCI-Expanded)
- LXV. **Structural response of historical masonry arch bridges under different arch curvature considering soil-structure interaction**
ALTUNIŞIK A. C., KANBUR B., GENÇ A. F., KALKAN E.
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- LXVI. **Performance Evaluation of Gravity Dams Subjected to Near- and Far-Fault Ground Motion Using Euler Approaches**
ALTUNIŞIK A. C., SESLİ H., HÜSEM M., AKKOSE M.
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- LXVII. **Vibrations of a Box-Sectional Cantilever Timoshenko Beam with Multiple Cracks**
ALTUNIŞIK A. C., OKUR F. Y., KAHYA V.
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