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Education Information

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

Under Graduate, 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

Associate Professor, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2012 - Continues

Assistant Professor, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2011 - 2012

Research Assistant, Karadeniz Technical University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği Bölümü, 2005 - 2010

Professional Experience

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

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- **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, pp.551-567, 2020 (Journal Indexed in SCI)
- **FE 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, 2020 (Journal Indexed in SCI)
- **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, 2020 (Journal Indexed in SCI)
- **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, 2020 (Journal Indexed in SCI)
- **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, pp.297-334, 2020 (Journal Indexed in SCI)
- **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, 2020 (Journal Indexed in SCI)
- **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 (Journal Indexed in SCI)
- **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 (Journal Indexed in SCI)
- **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 (Journal Indexed in SCI)
- **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 (Journal Indexed in SCI)
- **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, pp.3533-3562, 2019 (Journal Indexed in SCI)
- **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, pp.479-490, 2019 (Journal Indexed in SCI)
- **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 (Journal Indexed in SCI)

- **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.
GEOMECHANICS AND ENGINEERING, vol.18, pp.141-151, 2019 (Journal Indexed in SCI)
- **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.
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY-TRANSACTIONS OF CIVIL ENGINEERING, vol.43, pp.297-325, 2019 (Journal Indexed in SCI)
- **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.-, 2019 (Journal Indexed in SCI)
- **Vibrations of a Box-Sectional Cantilever Timoshenko Beam with Multiple Cracks**
ALTUNIŞIK A. C. , OKUR F. Y. , KAHYA V.
INTERNATIONAL JOURNAL OF STEEL STRUCTURES, vol.19, pp.635-649, 2019 (Journal Indexed in SCI)
- **Vibration-based damage detection in beam structures with multiple cracks: modal curvature vs. modal flexibility methods**
ALTUNIŞIK A. C. , OKUR F. Y. , Karaca S., KAHYA V.
NONDESTRUCTIVE TESTING AND EVALUATION, vol.34, pp.33-53, 2019 (Journal Indexed in SCI)
- **System Identification of a Prototype Arch Dam Model under Damaged, Repaired and Strengthened Conditions**
ALTUNIŞIK A. C. , GÜNAYDIN M., SEVİM B., ADANUR S.
ADVANCES IN MECHANICAL ENGINEERING, vol.--, 2019 (Journal Indexed in SCI)
- **Experimental Investigation on Acceptable Difference Value in Modal Parameters for Model Updating Using RC Building Models**
GÜNAYDIN M., ADANUR S., ALTUNIŞIK A. C.
STRUCTURAL ENGINEERING INTERNATIONAL, vol.29, pp.150-159, 2019 (Journal Indexed in SCI)
- **FE 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.--, 2019 (Journal Indexed in SCI)
- **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.--, 2019 (Journal Indexed in SCI)
- **The Effect of Near-Fault Ground Motion with Pulse Signal on Dynamic Response of Dam-Reservoir-Foundation Systems**
ALTUNIŞIK A. C. , SESLİ H., HÜSEM M.
GRADEVINAR, vol.--, 2019 (Journal Indexed in SCI Expanded)
- **Automated Model Updating Effect on the Linear and Nonlinear Dynamic Responses of Historical Masonry Structures**
ALTUNIŞIK A. C. , OKUR F. Y. , GENÇ A. F. , Gunaydin M., KARAHASAN O. Ş.
EXPERIMENTAL TECHNIQUES, vol.42, pp.605-621, 2018 (Journal Indexed in SCI)
- **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, pp.5472-5484, 2018 (Journal Indexed in SCI)
- **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, pp.1589-1601, 2018 (Journal Indexed in SCI)

- **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, pp.4038-4046, 2018 (Journal Indexed in SCI)
- **Ambient vibration based structural evaluation of reinforced concrete building model**
GÜNAYDIN M., ADANUR S., ALTUNIŞIK A. C.
EARTHQUAKES AND STRUCTURES, vol.15, pp.335-350, 2018 (Journal Indexed in SCI)
- **Experimental evaluation of damage effect on dynamic characteristics of concrete encased composite column-beam connections**
HÜSEM M., NASERY M. M. , OKUR F. Y. , ALTUNIŞIK A. C.
ENGINEERING FAILURE ANALYSIS, vol.91, pp.129-150, 2018 (Journal Indexed in SCI)
- **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 (Journal Indexed in SCI)
- **Structural behavior of arch dams considering experimentally validated prototype model using similitude and scaling laws**
ALTUNIŞIK A. C. , KALKAN E., BAŞAĞA H. B.
COMPUTERS AND CONCRETE, vol.22, pp.101-116, 2018 (Journal Indexed in SCI)
- **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. , GÜNAYDIN M., KALKAN E., ADANUR S.
MEASUREMENT, vol.124, pp.260-276, 2018 (Journal Indexed in SCI)
- **Ambient Vibration-Based System Identification of a Medieval Masonry Bastion for Health Assessment using Nonlinear Analyses**
ALTUNIŞIK A. C. , GENÇ A. F. , Gunaydin M., ADANUR S., OKUR F. Y.
INTERNATIONAL JOURNAL OF NONLINEAR SCIENCES AND NUMERICAL SIMULATION, vol.19, pp.107-124, 2018 (Journal Indexed in SCI)
- **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, pp.129-150, 2018 (Journal Indexed in SCI)
- **Experimental study on control performance of tuned liquid column dampers considering different excitation directions**
ALTUNIŞIK A. C. , YETISKEN A., KAHYA V.
MECHANICAL SYSTEMS AND SIGNAL PROCESSING, vol.102, pp.59-71, 2018 (Journal Indexed in SCI)
- **Automated Model Updating of Historical Masonry Structures Based on Ambient Vibration Measurements**
ALTUNIŞIK A. C. , OKUR F. Y. , GENÇ A. F. , Gunaydin M., ADANUR S.
JOURNAL OF PERFORMANCE OF CONSTRUCTED FACILITIES, vol.32, 2018 (Journal Indexed in SCI)
- **Automated Model Updating of Multiple Cracked Cantilever Beams for Damage Detection**
ALTUNIŞIK A. C. , OKUR F. Y. , KAHYA V.
JOURNAL OF CONSTRUCTIONAL STEEL RESEARCH, vol.138, pp.499-512, 2017 (Journal Indexed in SCI)
- **Earthquake Response of Heavily Damaged Historical Masonry Mosques after Restoration**
ALTUNIŞIK A. C. , GENÇ A. F.
NATURAL HAZARDS AND EARTH SYSTEM SCIENCES, vol.17, pp.1811-1821, 2017 (Journal Indexed in SCI)
- **STATIONARY AND TRANSIENT RESPONSES OF SUSPENSION BRIDGES TO SPATIALLY VARYING GROUND MOTIONS INCLUDING SITE RESPONSE EFFECT**
ADANUR S., ALTUNIŞIK A. C. , SOYLUK K., Dumanoglu A. A.
ADVANCED STEEL CONSTRUCTION, vol.13, pp.378-398, 2017 (Journal Indexed in SCI)
- **Automated model updating of multiple cracked cantilever beams for damage detection**
ALTUNIŞIK A. C. , OKUR F. Y. , KAHYA V.
Journal of Constructional Steel Research, vol.138, pp.499-512, 2017 (Journal Indexed in SCI)
- **Earthquake response of heavily damaged historical masonry mosques after restoration**

ALTUNIŞIK A. C. , GENÇ A. F.

NATURAL HAZARDS AND EARTH SYSTEM SCIENCES, vol.17, pp.1811-1821, 2017 (Journal Indexed in SCI)

- **System identification of arch dam model strengthened with CFRP composite materials**

ALTUNIŞIK A. C. , Gunaydin M., SEVİM B., ADANUR S.

STEEL AND COMPOSITE STRUCTURES, vol.25, pp.231-244, 2017 (Journal Indexed in SCI)

- **Finite Modeling Updating Effects on the Dynamic Response of Building Models**

Gunaydin M., ADANUR S., ALTUNIŞIK A. C. , SEVİM B., BAYRAKTAR A.

JOURNAL OF TESTING AND EVALUATION, vol.45, 2017 (Journal Indexed in SCI)

- **Modal parameter identification and vibration based damage detection of a multiple cracked cantilever beam**

ALTUNIŞIK A. C. , OKUR F. Y. , KAHYA V.

ENGINEERING FAILURE ANALYSIS, vol.79, pp.154-170, 2017 (Journal Indexed in SCI)

- **Structural identification of a cantilever beam with multiple cracks: Modeling and validation**

Altumsik A. C. , OKUR F. Y. , KAHYA V.

INTERNATIONAL JOURNAL OF MECHANICAL SCIENCES, vol.130, pp.74-89, 2017 (Journal Indexed in SCI)

- **Finite Modeling Updating Effects on the Dynamic Response of Building Models**

GÜNAYDIN M., ADANUR S., ALTUNIŞIK A. C. , SEVİM B., BAYRAKTAR A.

JOURNAL OF TESTING AND EVALUATION, vol.45, pp.1632-1649, 2017 (Journal Indexed in SCI Expanded)

- **Stationary and Transient Responses of Suspension Bridges to Spatially Varying Ground Motions Including Site Response Effect**

ADANUR S., ALTUNIŞIK A. C. , SOYLUK K., DUMANOĞLU A. A.

ADVANCED STEEL CONSTRUCTION, vol.13, pp.378-397, 2017 (Journal Indexed in SCI)

- **Structural Identification of a Cantilever Beam with Multiple Cracks: Modelling and Validation**

ALTUNIŞIK A. C. , OKUR F. Y. , KAHYA V.

INTERNATIONAL JOURNAL OF MECHANICAL SCIENCES, vol.130, pp.74-89, 2017 (Journal Indexed in SCI)

- **Effect of Construction Errors on the Snow-Induced Failure of a Tribune's Columns and Roof**

ALTUNIŞIK A. C. , ATEŞ Ş., HÜSEM M.

JOURNAL OF PERFORMANCE OF CONSTRUCTED FACILITIES, vol.31, 2017 (Journal Indexed in SCI)

- **Wave-passage effect on the seismic response of suspension bridges considering local soil conditions**

ADANUR S., ALTUNIŞIK A. C. , BAŞAĞA H. B. , SoyLuk K., DUMANOĞLU A. A.

INTERNATIONAL JOURNAL OF STEEL STRUCTURES, vol.17, pp.501-513, 2017 (Journal Indexed in SCI)

- **Wave-Passage Effect on the Seismic Response of Suspension Bridges Considering Local Soil Conditions**

ADANUR S., ALTUNIŞIK A. C. , BAŞAĞA H. B. , SOYLUK K., DUMANOĞLU A. A.

INTERNATIONAL JOURNAL OF STEEL STRUCTURES, vol.17, pp.501-513, 2017 (Journal Indexed in SCI)

- **Stationary and Transient Responses of Suspension Bridges to Spatially Varying Ground Motions Including Site Response Effect**

ADANUR S., ALTUNIŞIK A. C. , SOYLUK K., DUMANOĞLU A. A.

ADVANCED STEEL CONSTRUCTION, vol.13, pp.378-397, 2017 (Journal Indexed in SCI Expanded)

- **Lateral Buckling Failure of Steel Cantilever Roof of a Tribune Due to Snow Loads**

ALTUNIŞIK A. C. , ATEŞ Ş., HÜSEM M.

ENGINEERING FAILURE ANALYSIS, vol.72, pp.67-78, 2017 (Journal Indexed in SCI)

- **Collapse of steel cantilever roof of tribune induced by snow loads**

ALTUNIŞIK A. C. , ATEŞ Ş., HÜSEM M., GENÇ A. F.

STEEL AND COMPOSITE STRUCTURES, vol.23, pp.273-283, 2017 (Journal Indexed in SCI)

- **Lateral buckling failure of steel cantilever roof of a tribune due to snow loads**

ALTUNIŞIK A. C. , ATEŞ Ş., HÜSEM M.

ENGINEERING FAILURE ANALYSIS, vol.72, pp.67-78, 2017 (Journal Indexed in SCI)

- **An Investigation of the Seismic Behaviour of an Ancient Masonry Bastion Using Non-Destructive and Numerical Methods**

ALTUNIŞIK A. C. , ADANUR S., GENÇ A. F. , Gunaydin M., OKUR F. Y.

EXPERIMENTAL MECHANICS, vol.57, pp.245-259, 2017 (Journal Indexed in SCI)

- **Manual Model Updating of Highway Bridges under Operational Condition**

- ALTUNIŞIK A. C. , BAYRAKTAR A.
SMART STRUCTURES AND SYSTEMS, vol.19, pp.39-46, 2017 (Journal Indexed in SCI)
- **Shaking Table Test of Wooden Building Models for Structural Identification**
ALTUNIŞIK A. C.
EARTHQUAKES AND STRUCTURES, vol.12, pp.67-77, 2017 (Journal Indexed in SCI)
 - **Shaking table test of wooden building models for structural identification**
ALTUNIŞIK A. C.
EARTHQUAKES AND STRUCTURES, vol.12, pp.67-77, 2017 (Journal Indexed in SCI)
 - **Manual model updating of highway bridges under operational condition**
ALTUNIŞIK A. C. , Bayraktar A.
SMART STRUCTURES AND SYSTEMS, vol.19, pp.39-46, 2017 (Journal Indexed in SCI)
 - **Stochastic response of suspension bridges for various spatial variability models**
ADANUR S., ALTUNIŞIK A. C. , Soy luk K., DUMANOĞLU A. A.
STEEL AND COMPOSITE STRUCTURES, vol.22, pp.1001-1018, 2016 (Journal Indexed in SCI)
 - **The Effect of Near-Fault Ground Motion with Pulse Signal on Dynamic Response of Dam-Reservoir-Foundation Systems**
ALTUNIŞIK A. C. , SESLİ H., HÜSEM M.
GRADEVINAR, vol.--, 2016 (Journal Indexed in SCI Expanded)
 - **Stochastic Response of Suspension Bridges for Various Spatial Variability Models**
ADANUR S., ALTUNIŞIK A. C. , SOYLUK K., DUMANOĞLU A. A.
STEEL AND COMPOSITE STRUCTURES, vol.22, pp.1001-1018, 2016 (Journal Indexed in SCI)
 - **Structural Performance Evaluation of Arch Type Long Span Highway Bridge**
ALTUNIŞIK A. C. , BAYRAKTAR A.
INDIAN JOURNAL OF ENGINEERING AND MATERIALS SCIENCES, vol.23, pp.188-202, 2016 (Journal Indexed in SCI)
 - **System Identification of a Prototype Arch Dam Model under Damaged, Repaired and Strengthened Conditions**
ALTUNIŞIK A. C. , GÜNAYDIN M., SEVİM B., BAYRAKTAR A., ADANUR S.
ADVANCES IN MECHANICAL ENGINEERING, vol.10, pp.105-124, 2016 (Journal Indexed in SCI)
 - **Finite Modeling Updating Effects on the Dynamic Response of Building Models**
GÜNAYDIN M., ADANUR S., ALTUNIŞIK A. C. , SEVİM B., BAYRAKTAR A.
JOURNAL OF TESTING AND EVALUATION, vol.45, pp.267-292, 2016 (Journal Indexed in SCI Expanded)
 - **Dynamic Characteristics of an Arch Dam Model before and after Strengthening with Consideration of Reservoir Water**
ALTUNIŞIK A. C. , Gunaydin M., SEVİM B., BAYRAKTAR A., ADANUR S.
JOURNAL OF PERFORMANCE OF CONSTRUCTED FACILITIES, vol.30, 2016 (Journal Indexed in SCI)
 - **Dynamic Characteristics of an Arch Dam Model before/after Strengthening Considering Reservoir Water**
ALTUNIŞIK A. C. , GÜNAYDIN M., SEVİM B., BAYRAKTAR A., ADANUR S.
JOURNAL OF PERFORMANCE OF CONSTRUCTED FACILITIES, vol.6, pp.45-61, 2016 (Journal Indexed in SCI)
 - **Collapse of Steel Cantilever Roof of Tribune Induced by Snow Loads**
ALTUNIŞIK A. C. , ATEŞ Ş., HÜSEM M., GENÇ A. F.
STEEL AND COMPOSITE STRUCTURES, vol.--, 2016 (Journal Indexed in SCI)
 - **Manual Model Updating of Highway Bridges under Operational Condition**
ALTUNIŞIK A. C. , BAYRAKTAR A.
SMART STRUCTURES AND SYSTEMS, vol.20, pp.1-30, 2016 (Journal Indexed in SCI)
 - **Stationary and Transient Responses of Suspension Bridges to Spatially Varying Ground Motions Including Site Response Effect**
ADANUR S., ALTUNIŞIK A. C. , SOYLUK K., BAYRAKTAR A., DUMANOĞLU A. A.
ADVANCED STEEL CONSTRUCTION, vol.--, 2016 (Journal Indexed in SCI)
 - **Investigation of earthquake angle effect on the seismic performance of steel bridges**
ALTUNIŞIK A. C. , Kalkan E.
STEEL AND COMPOSITE STRUCTURES, vol.22, pp.855-874, 2016 (Journal Indexed in SCI)
 - **The Effect of Construction Errors on the Snow-Induced Failure of Tribune Columns and Roof**

ALTUNIŞIK A. C. , ATEŞ Ş., HÜSEM M.

JOURNAL OF PERFORMANCE OF CONSTRUCTED FACILITIES, vol.36, pp.198-219, 2016 (Journal Indexed in SCI)

- **Investigation of Earthquake Angle Effect on the Seismic Performance of Steel Bridges**
ALTUNIŞIK A. C. , KALKAN E.
STEEL AND COMPOSITE STRUCTURES, vol.22, pp.855-874, 2016 (Journal Indexed in SCI)
- **Non-destructive testing of an ancient Masonry Bastion**
ALTUNIŞIK A. C. , ADANUR S., GENÇ A. F. , Gunaydin M., OKUR F. Y.
JOURNAL OF CULTURAL HERITAGE, vol.22, pp.1049-1054, 2016 (Journal Indexed in SCI)
- **Experimental identification of box girder bridge model under undamaged and damaged conditions considering time effect**
ALTUNIŞIK A. C.
COMPUTERS AND CONCRETE, vol.18, pp.827-852, 2016 (Journal Indexed in SCI)
- **Ambient Vibration Testing and Seismic Behavior of Historical Arch Bridges under Near and Far Fault Ground Motions**
SEVİM B., ATAMTURKTUR S., ALTUNIŞIK A. C. , BAYRAKTAR A.
BULLETIN OF EARTHQUAKE ENGINEERING, vol.14, pp.241-259, 2016 (Journal Indexed in SCI)
- **A Study on seismic behaviour of masonry mosques after restoration**
ALTUNIŞIK A. C. , BAYRAKTAR A., GENÇ A. F.
EARTHQUAKES AND STRUCTURES, vol.10, pp.1331-1346, 2016 (Journal Indexed in SCI)
- **Retrofitting Effect on the Dynamic Properties of Model Arch Dam with and without Reservoir Water using Ambient Vibration Test Methods**
ALTUNIŞIK A. C. , Gunaydin M., SEVİM B., BAYRAKTAR A., ADANUR S.
JOURNAL OF STRUCTURAL ENGINEERING-ASCE, vol.142, no.4016069, pp.1-20, 2016 (Journal Indexed in SCI)
- **Structural Condition Assessment of Birecik Highway Bridge using Operational Modal Analysis**
BAYRAKTAR A., ALTUNIŞIK A. C. , TÜRKER T.
INTERNATIONAL JOURNAL OF CIVIL ENGINEERING, vol.14, pp.35-46, 2016 (Journal Indexed in SCI)
- **A study on seismic behaviour of masonry mosques after restoration**
ALTUNIŞIK A. C. , Bayraktar A., GENÇ A. F.
EARTHQUAKES AND STRUCTURES, vol.10, pp.1331-1346, 2016 (Journal Indexed in SCI)
- **Multiple-Support Seismic Response of Bosphorus Suspension Bridge for Various Random Vibration Methods**
ADANUR S., ALTUNIŞIK A. C. , SOYLUK K., BAYRAKTAR A., DUMANOĞLU A. A.
STRUCTURAL ENGINEERING INTERNATIONAL, vol.5, pp.54-67, 2016 (Journal Indexed in AHCI)
- **Contribution of local site-effect on the seismic response of suspension bridges to spatially varying ground motions**
ADANUR S., ALTUNIŞIK A. C. , SOYLUK K., Dumanoglu A. A. , Bayraktar A.
EARTHQUAKES AND STRUCTURES, vol.10, pp.1233-1251, 2016 (Journal Indexed in SCI)
- **Structural Health Assessment and Restoration Procedure of an Old Riveted Steel Arch Bridge**
BAYRAKTAR A., ALTUNIŞIK A. C. , TÜRKER T.
SOIL DYNAMICS AND EARTHQUAKE ENGINEERING, vol.83, pp.148-161, 2016 (Journal Indexed in SCI)
- **Field Investigation of the Performance of Masonry Buildings during the October 23 and November 9, 2011, Van Earthquakes in Turkey**
Bayraktar A., ALTUNIŞIK A. C. , Muvafık M.
JOURNAL OF PERFORMANCE OF CONSTRUCTED FACILITIES, vol.30, 2016 (Journal Indexed in SCI)
- **Structural health assessment and restoration procedure of an old riveted steel arch bridge**
Bayraktar A., ALTUNIŞIK A. C. , TÜRKER T.
Soil Dynamics and Earthquake Engineering, vol.83, pp.148-161, 2016 (Journal Indexed in SCI)
- **Structural performance evaluation of arch type long span highway bridge**
ALTUNIŞIK A. C. , Bayraktar A.
Indian Journal of Engineering and Materials Sciences, vol.23, pp.188-202, 2016 (Journal Indexed in SCI)
- **Retrofitting Effect on the Dynamic Properties of Model-Arch Dam with and without Reservoir Water Using Ambient-Vibration Test Methods**

ALTUNIŞIK A. C. , Gunaydin M., SEVİM B., BAYRAKTAR A., ADANUR S.

JOURNAL OF STRUCTURAL ENGINEERING, vol.142, 2016 (Journal Indexed in SCI)

- **Structural Condition Assessment of Birecik Highway Bridge Using Operational Modal Analysis**
Bayraktar A., ALTUNIŞIK A. C. , TÜRKER T.
INTERNATIONAL JOURNAL OF CIVIL ENGINEERING, vol.14, pp.35-46, 2016 (Journal Indexed in SCI)
- **Ambient vibration testing and seismic behavior of historical arch bridges under near and far fault ground motions**
SEVİM B., Atamturktur S., ALTUNIŞIK A. C. , Bayraktar A.
BULLETIN OF EARTHQUAKE ENGINEERING, vol.14, pp.241-259, 2016 (Journal Indexed in SCI)
- **The Effect of Arch Geometry on the Structural Behavior of Masonry Bridges**
ALTUNIŞIK A. C. , KANBUR B., GENÇ A. F.
SMART STRUCTURES AND SYSTEMS, vol.1, pp.1-20, 2015 (Journal Indexed in SCI)
- **The effect of arch geometry on the structural behavior of masonry bridges**
ALTUNIŞIK A. C. , KANBUR B., GENÇ A. F.
SMART STRUCTURES AND SYSTEMS, vol.16, pp.1069-1089, 2015 (Journal Indexed in SCI)
- **Structural Performance Evaluation of 90 RC Buildings Collapsed during the 2011 Van, Turkey, Earthquakes**
Bayraktar A., ALTUNIŞIK A. C. , TÜRKER T., Karadeniz H., Erdoğan Ş., Angın Z., Özşahin T. Ş.
JOURNAL OF PERFORMANCE OF CONSTRUCTED FACILITIES, vol.29, 2015 (Journal Indexed in SCI)
- **Dynamic response of concrete gravity dams using different water modelling approaches: westergaard, lagrange and euler**
ALTUNIŞIK A. C. , SESLİ H.
COMPUTERS AND CONCRETE, vol.16, pp.429-448, 2015 (Journal Indexed in SCI Expanded)
- **Dynamic response of concrete gravity dams using different water modelling approaches: westergaard, lagrange and euler**
ALTUNIŞIK A. C. , Sesli H.
COMPUTERS AND CONCRETE, vol.16, pp.429-448, 2015 (Journal Indexed in SCI)
- **CFRP composite retrofitting effect on the dynamic characteristics of arch dams**
ALTUNIŞIK A. C. , Gunaydin M., SEVİM B., Bayraktar A., ADANUR S.
SOIL DYNAMICS AND EARTHQUAKE ENGINEERING, vol.74, pp.1-9, 2015 (Journal Indexed in SCI)
- **Determination of the restoration effect on the structural behavior of masonry arch bridges**
ALTUNIŞIK A. C. , BAYRAKTAR A., GENÇ A. F.
SMART STRUCTURES AND SYSTEMS, vol.16, pp.101-139, 2015 (Journal Indexed in SCI)
- **Time dependent changing of dynamic characteristics of laboratory arch dam model**
ALTUNIŞIK A. C. , SEVİM B., Bayraktar A., ADANUR S., Gunaydin M.
KSCE JOURNAL OF CIVIL ENGINEERING, vol.19, pp.1069-1077, 2015 (Journal Indexed in SCI)
- **Stochastic Seismic Analysis of Kömürhan Highway Bridge with Varying Material Properties**
ÇAVDAR Ö., BAYRAKTAR A., ALTUNIŞIK A. C.
CIVIL ENGINEERING AND ENVIRONMENTAL SYSTEMS, vol.32, pp.193-205, 2015 (Journal Indexed in SCI)
- **Experimental frequencies and damping ratios for historical masonry arch bridges**
Bayraktar A., TÜRKER T., ALTUNIŞIK A. C.
CONSTRUCTION AND BUILDING MATERIALS, vol.75, pp.234-241, 2015 (Journal Indexed in SCI)
- **Static and dynamic responses of Halgavor Footbridge using steel and FRP materials**
Gunaydin M., ADANUR S., ALTUNIŞIK A. C. , SEVİM B.
STEEL AND COMPOSITE STRUCTURES, vol.18, pp.51-69, 2015 (Journal Indexed in SCI)
- **Stochastic seismic analysis of Komurhan Highway Bridge with varying material properties**
ÇAVDAR Ö., Bayraktar A., ALTUNIŞIK A. C.
CIVIL ENGINEERING AND ENVIRONMENTAL SYSTEMS, vol.32, pp.193-205, 2015 (Journal Indexed in SCI)
- **Structural Performance Evaluation of Arch Type Long Span Highway Bridge**
ALTUNIŞIK A. C. , BAYRAKTAR A.
INDIAN JOURNAL OF ENGINEERING AND MATERIALS SCIENCES, vol.1, no.1, pp.1-15, 2014 (Journal Indexed in SCI)
- **Dynamic Responses of Gülburnu Highway Bridge using Friction Pendulums**

- Yurdakul M., ATEŞ Ş., ALTUNIŞIK A. C.
EARTHQUAKES AND STRUCTURES, vol.7, pp.511-525, 2014 (Journal Indexed in SCI Expanded)
- **Finite Element Model Updating Effect on the Structural Behavior of Long Span Concrete Highway Bridges**
ALTUNIŞIK A. C. , BAYRAKTAR A.
COMPUTERS AND CONCRETE, vol.1, pp.1-20, 2014 (Journal Indexed in SCI)
 - **Construction Stages Analyses using Time Dependent Material Properties of Concrete Arch Dams**
Sevim B., ALTUNIŞIK A. C. , BAYRAKTAR A.
COMPUTERS AND CONCRETE, vol.5, pp.45-57, 2014 (Journal Indexed in SCI)
 - **Construction stages analyses using time dependent material properties of concrete arch dams**
SEVİM B., ALTUNIŞIK A. C. , Bayraktar A.
COMPUTERS AND CONCRETE, vol.14, pp.599-612, 2014 (Journal Indexed in SCI)
 - **Environmental effects on the dynamic characteristics of the Gulburnu Highway Bridge**
Bayraktar A., ALTUNIŞIK A. C. , SEVİM B., ÖZŞAHİN T. Ş.
CIVIL ENGINEERING AND ENVIRONMENTAL SYSTEMS, vol.31, pp.347-366, 2014 (Journal Indexed in SCI)
 - **Determination of structural behavior of Bosphorus suspension bridge considering construction stages and different soil conditions**
Gunaydin M., ADANUR S., ALTUNIŞIK A. C. , SEVİM B., TÜRKER E.
STEEL AND COMPOSITE STRUCTURES, vol.17, pp.405-429, 2014 (Journal Indexed in SCI)
 - **Comparison of the dynamic responses of Gulburnu Highway Bridge using single and triple concave friction pendulums**
YURDAKUL M., ATEŞ Ş., ALTUNIŞIK A. C.
EARTHQUAKES AND STRUCTURES, vol.7, pp.511-525, 2014 (Journal Indexed in SCI)
 - **Damages of minarets during Ercis and Edremit Earthquakes, 2011 in Turkey**
Bayraktar A., ALTUNIŞIK A. C. , Muvafik M.
SMART STRUCTURES AND SYSTEMS, vol.14, pp.479-499, 2014 (Journal Indexed in SCI)
 - **Ambient vibration testing of Berta Highway Bridge with post-tension tendons**
Kudu F. N. , Bayraktar A., Bakir P. G. , TÜRKER T., ALTUNIŞIK A. C.
STEEL AND COMPOSITE STRUCTURES, vol.16, pp.23-46, 2014 (Journal Indexed in SCI)
 - **Analytical and experimental modal analyses of a highway bridge model**
ALTUNIŞIK A. C. , Bayraktar A., SEVİM B.
COMPUTERS AND CONCRETE, vol.12, pp.803-818, 2013 (Journal Indexed in SCI)
 - **Performance and damages of reinforced concrete buildings during the October 23 and November 9, 2011 Van, Turkey, earthquakes**
Bayraktar A., ALTUNIŞIK A. C. , Pehlivan M.
SOIL DYNAMICS AND EARTHQUAKE ENGINEERING, vol.53, pp.49-72, 2013 (Journal Indexed in SCI)
 - **Comparison of earthquake behavior of reinforced concrete minarets using fiber-reinforced polymer composite**
Altunisik A. C.
STRUCTURAL DESIGN OF TALL AND SPECIAL BUILDINGS, vol.22, pp.749-758, 2013 (Journal Indexed in SCI)
 - **Structural Identification of Concrete Arch Dams by Ambient Vibration Tests**
SEVİM B., ALTUNIŞIK A. C. , BAYRAKTAR A.
ADVANCES IN CONCRETE CONSTRUCTION, vol.1, pp.227-237, 2013 (Journal Indexed in AHCI)
 - **Earthquake Behavior of Berke Arch Dam Using Ambient Vibration Test Results**
SEVİM B., ALTUNIŞIK A. C. , Bayraktar A.
JOURNAL OF PERFORMANCE OF CONSTRUCTED FACILITIES, vol.26, pp.780-792, 2012 (Journal Indexed in SCI)
 - **Construction stage analysis of Humber Suspension Bridge**
ADANUR S., Gunaydin M., ALTUNIŞIK A. C. , Sevim B.
APPLIED MATHEMATICAL MODELLING, vol.36, pp.5492-5505, 2012 (Journal Indexed in SCI)
 - **Comparison of near-fault and far-fault ground motion effects on geometrically nonlinear earthquake behavior of suspension bridges**
ADANUR S., ALTUNIŞIK A. C. , Bayraktar A., Akkose M.

NATURAL HAZARDS, vol.64, pp.593-614, 2012 (Journal Indexed in SCI)

- **Operational modal analysis of a scaled bridge model using EFDD and SSI methods**

ALTUNIŞIK A. C. , Bayraktar A., SEVİM B.

INDIAN JOURNAL OF ENGINEERING AND MATERIALS SCIENCES, vol.19, pp.320-330, 2012 (Journal Indexed in SCI)

- **Experimental evaluation of crack effects on the dynamic characteristics of a prototype arch dam using ambient vibration tests**

SEVİM B., ALTUNIŞIK A. C. , Bayraktar A.

COMPUTERS AND CONCRETE, vol.10, pp.277-294, 2012 (Journal Indexed in SCI)

- **Seismic safety assessment of Eynel highway steel bridge using ambient vibration measurements**

ALTUNIŞIK A. C. , Bayraktar A., Ozdemir H.

SMART STRUCTURES AND SYSTEMS, vol.10, pp.131-154, 2012 (Journal Indexed in SCI)

- **Safety assessment of structures for near-field blast-induced ground excitations using operational modal analysis**

Bayraktar A., ALTUNIŞIK A. C. , Ozcan M.

SOIL DYNAMICS AND EARTHQUAKE ENGINEERING, vol.39, pp.23-36, 2012 (Journal Indexed in SCI)

- **Construction stage analysis of Fatih Sultan Mehmet suspension bridge**

Gunaydin M., ADANUR S., ALTUNIŞIK A. C. , SEVİM B.

STRUCTURAL ENGINEERING AND MECHANICS, vol.42, pp.489-505, 2012 (Journal Indexed in SCI)

- **Estimation of Elasticity Modulus of a Prototype Arch Dam Using Experimental Methods**

Sevim B., ALTUNIŞIK A. C. , Bayraktar A., Akkose M., ADANUR S.

JOURNAL OF MATERIALS IN CIVIL ENGINEERING, vol.24, pp.321-329, 2012 (Journal Indexed in SCI)

- **Comparison of Damage Criteria for Structures to Near-Field Blast-Induced Ground Motions**

Ozcan D. M. , Bayraktar A., ALTUNIŞIK A. C.

JOURNAL OF TESTING AND EVALUATION, vol.40, pp.148-157, 2012 (Journal Indexed in SCI)

- **Determination of Water Level Effects on the Dynamic Characteristics of a Prototype Arch Dam Model using Ambient Vibration Testing**

Sevim B., BAYRAKTAR A., ALTUNIŞIK A. C. , ADANUR S., Akkose M.

EXPERIMENTAL TECHNIQUES, vol.36, pp.72-82, 2012 (Journal Indexed in SCI)

- **Experimental and analytical system identification of Eynel arch type steel highway bridge**

ALTUNIŞIK A. C. , Bayraktar A., Sevim B., Ozdemir H.

JOURNAL OF CONSTRUCTIONAL STEEL RESEARCH, vol.67, pp.1912-1921, 2011 (Journal Indexed in SCI)

- **Ambient vibration based seismic evaluation of isolated Gulburnu highway bridge**

ALTUNIŞIK A. C. , Bayraktar A., Sevim B., ATEŞ Ş.

SOIL DYNAMICS AND EARTHQUAKE ENGINEERING, vol.31, pp.1496-1510, 2011 (Journal Indexed in SCI)

- **Finite element model calibration effects on the earthquake response of masonry arch bridges**

Sevim B., Bayraktar A., ALTUNIŞIK A. C. , Atamturktur S., Birinci F.

FINITE ELEMENTS IN ANALYSIS AND DESIGN, vol.47, pp.621-634, 2011 (Journal Indexed in SCI)

- **Dynamic Field Test, System Identification, and Modal Validation of an RC Minaret: Preprocessing and Postprocessing the Wind-Induced Ambient Vibration Data**

Sahin A., Bayraktar A., Ozcan D. M. , Sevim B., ALTUNIŞIK A. C. , TÜRKER T.

JOURNAL OF PERFORMANCE OF CONSTRUCTED FACILITIES, vol.25, pp.336-356, 2011 (Journal Indexed in SCI)

- **Finite element model calibration of Berke arch dam using operational modal testing**

Sevim B., Bayraktar A., ALTUNIŞIK A. C.

JOURNAL OF VIBRATION AND CONTROL, vol.17, pp.1065-1079, 2011 (Journal Indexed in SCI)

- **Dynamic Characteristics of a Prototype Arch Dam**

Sevim B., BAYRAKTAR A., ALTUNIŞIK A. C. , ADANUR S., Akkose M.

EXPERIMENTAL MECHANICS, vol.51, pp.787-791, 2011 (Journal Indexed in SCI)

- **Investigation of water length effects on the modal behavior of a prototype arch dam using operational and analytical modal analyses**

Sevim B., Bayraktar A., ALTUNIŞIK A. C.

STRUCTURAL ENGINEERING AND MECHANICS, vol.37, pp.593-615, 2011 (Journal Indexed in SCI)

- **Output-Only System Identification of Posttensioned Segmental Concrete Highway Bridges**
 ALTUNIŞIK A. C. , Bayraktar A., Sevim B.
 JOURNAL OF BRIDGE ENGINEERING, vol.16, pp.259-266, 2011 (Journal Indexed in SCI)
- **Assessment of nonlinear seismic performance of a restored historical arch bridge using ambient vibrations**
 Sevim B., Bayraktar A., ALTUNIŞIK A. C. , Atamturktur S., Birinci F.
 NONLINEAR DYNAMICS, vol.63, pp.755-770, 2011 (Journal Indexed in SCI)
- **Finite element model updating effects on nonlinear seismic response of arch dam-reservoir-foundation systems**
 Bayraktar A., Sevim B., ALTUNIŞIK A. C.
 FINITE ELEMENTS IN ANALYSIS AND DESIGN, vol.47, pp.85-97, 2011 (Journal Indexed in SCI)
- **Vibration-based operational modal analysis of the Mikron historic arch bridge after restoration**
 ALTUNIŞIK A. C. , Bayraktar A., Sevim B., Birinci F.
 CIVIL ENGINEERING AND ENVIRONMENTAL SYSTEMS, vol.28, pp.247-259, 2011 (Journal Indexed in SCI)
- **Dynamic response of masonry minarets strengthened with Fiber Reinforced Polymer (FRP) composites**
 Altunisik A. C.
 NATURAL HAZARDS AND EARTH SYSTEM SCIENCES, vol.11, pp.2011-2019, 2011 (Journal Indexed in SCI)
- **Seismic Response of a Historical Masonry Minaret using a Finite Element Model Updated with Operational Modal Testing**
 Bayraktar A., ALTUNIŞIK A. C. , Sevim B., TÜRKER T.
 JOURNAL OF VIBRATION AND CONTROL, vol.17, pp.129-149, 2011 (Journal Indexed in SCI)
- **Finite element model updating of an arch type steel laboratory bridge model using semi-rigid connection**
 ALTUNIŞIK A. C. , Bayraktar A., Sevim B., Kartal M. E. , ADANUR S.
 STEEL AND COMPOSITE STRUCTURES, vol.10, pp.541-561, 2010 (Journal Indexed in SCI)
- **Determination of Dynamic Parameters of Buildings by Operational Modal Analysis**
 Bayraktar A., TÜRKER T., ALTUNIŞIK A. C. , Sevim B., Sahin A., Ozcan D. M.
 TEKNİK DERGI, vol.21, pp.5185-5205, 2010 (Journal Indexed in SCI)
- **Construction stage analysis of Komurhan Highway Bridge using time dependent material properties**
 ALTUNIŞIK A. C. , Bayraktar A., Sevim B., ADANUR S., Domanic A.
 STRUCTURAL ENGINEERING AND MECHANICS, vol.36, pp.207-223, 2010 (Journal Indexed in SCI)
- **Modal Parameter Identification of a Prototype Arch Dam Using Enhanced Frequency Domain Decomposition and Stochastic Subspace Identification Techniques**
 Sevim B., Bayraktar A., ALTUNIŞIK A. C. , ADANUR S., Akkose M.
 JOURNAL OF TESTING AND EVALUATION, vol.38, pp.588-597, 2010 (Journal Indexed in SCI)
- **Earthquake Behavior of Komurhan Highway Bridge Using a Validated Finite Element Model**
 Bayraktar A., ALTUNIŞIK A. C. , Sevim B., TÜRKER T.
 JOURNAL OF TESTING AND EVALUATION, vol.38, pp.467-481, 2010 (Journal Indexed in SCI)
- **Finite element model updating of Komurhan highway bridge based on experimental measurements**
 Bayraktar A., ALTUNIŞIK A. C. , Sevim B., TÜRKER T.
 SMART STRUCTURES AND SYSTEMS, vol.6, pp.373-388, 2010 (Journal Indexed in SCI)
- **Evaluation of blast effects on reinforced concrete buildings considering Operational Modal Analysis results**
 Bayraktar A., TÜRKER T., ALTUNIŞIK A. C. , Sevim B.
 SOIL DYNAMICS AND EARTHQUAKE ENGINEERING, vol.30, pp.310-319, 2010 (Journal Indexed in SCI)
- **EARTHQUAKE ANALYSIS OF REINORCED CONCRETE MINARETS USING AMBIENT VIBRATION TEST RESULTS**
 Bayraktar A., Sevim B., ALTUNIŞIK A. C. , TÜRKER T.
 STRUCTURAL DESIGN OF TALL AND SPECIAL BUILDINGS, vol.19, pp.257-273, 2010 (Journal Indexed in SCI)
- **Ambient Vibration Tests of a Steel Footbridge**
 Bayraktar A., ALTUNIŞIK A. C. , Sevim B., TÜRKER T.
 JOURNAL OF NONDESTRUCTIVE EVALUATION, vol.29, pp.14-24, 2010 (Journal Indexed in SCI)
- **Effect of the model updating on the earthquake behavior of steel storage tanks**
 Bayraktar A., Sevim B., ALTUNIŞIK A. C. , TÜRKER T.

JOURNAL OF CONSTRUCTIONAL STEEL RESEARCH, vol.66, pp.462-469, 2010 (Journal Indexed in SCI)

- **Finite-Element Analysis and Vibration Testing of a Two-Span Masonry Arch Bridge**

Bayraktar A., ALTUNIŞIK A. C. , Birinci F., Sevim B., TÜRKER T.

JOURNAL OF PERFORMANCE OF CONSTRUCTED FACILITIES, vol.24, pp.46-52, 2010 (Journal Indexed in SCI)

- **Comparison of near- and far-fault ground motion effect on the nonlinear response of dam-reservoir-foundation systems**

Bayraktar A., ALTUNIŞIK A. C. , Sevim B., Kartal M. E. , TÜRKER T., Bilici Y.

NONLINEAR DYNAMICS, vol.58, pp.655-673, 2009 (Journal Indexed in SCI)

- **Finite Element Model Updating of Komurhan Highway Bridge**

Bayraktar A., ALTUNIŞIK A. C. , Sevim B., Tuerker T.

TEKNIK DERGI, vol.20, pp.4675-4700, 2009 (Journal Indexed in SCI)

- **ANALYTICAL AND OPERATIONAL MODAL ANALYSES OF TURKISH STYLE REINFORCED CONCRETE MINARETS FOR STRUCTURAL IDENTIFICATION**

BAYRAKTAR A., Sevim B., ALTUNIŞIK A. C. , Tuerker T.

EXPERIMENTAL TECHNIQUES, vol.33, pp.65-75, 2009 (Journal Indexed in SCI)

- **Modal Testing, Finite-Element Model Updating, and Dynamic Analysis of an Arch Type Steel Footbridge**

Bayraktar A., ALTUNIŞIK A. C. , Sevim B., Tuerker T.

JOURNAL OF PERFORMANCE OF CONSTRUCTED FACILITIES, vol.23, pp.81-89, 2009 (Journal Indexed in SCI)

- **Modal Parameter Identification of Hagia Sophia Bell-Tower via Ambient Vibration Test**

Bayraktar A., TÜRKER T., Sevim B., ALTUNIŞIK A. C. , YILDIRIM F.

JOURNAL OF NONDESTRUCTIVE EVALUATION, vol.28, pp.37-47, 2009 (Journal Indexed in SCI)

- **Vibration Characteristics of Komurhan Highway Bridge Constructed with Balanced Cantilever Method**

Bayraktar A., ALTUNIŞIK A. C. , Sevim B., Tuerker T., Domanic A., Tas Y.

JOURNAL OF PERFORMANCE OF CONSTRUCTED FACILITIES, vol.23, pp.90-99, 2009 (Journal Indexed in SCI)

- **FINITE ELEMENT MODEL UPDATING OF SENYUVA HISTORICAL ARCH BRIDGE USING AMBIENT VIBRATION TESTS**

Bayraktar A., Birinci F., ALTUNIŞIK A. C. , TÜRKER T., Sevim B.

BALTIC JOURNAL OF ROAD AND BRIDGE ENGINEERING, vol.4, pp.177-185, 2009 (Journal Indexed in SCI)

- **Comparison of Near and Far Fault Ground Motion Effects on the Seismic Performance Evaluation of Dam-Reservoir-Foundation Systems**

BAYRAKTAR A., Sevim B., ALTUNIŞIK A. C. , TÜRKER T., KARTAL M. E. , AKKÖSE M., Bilici Y.

Dam Engineering, vol.XIX, pp.201-239, 2009 (Journal Indexed in AHCI)

- **Modal Analysis, Experimental Validation, and Calibration of a Historical Masonry Minaret**

Bayraktar A., ALTUNIŞIK A. C. , Sevim B., TÜRKER T., Akkose M., Coskun N.

JOURNAL OF TESTING AND EVALUATION, vol.36, pp.516-524, 2008 (Journal Indexed in SCI)

- **Comparison of Near and Far Fault Ground Motion Effects on the Seismic Performance Evaluation of Dam-Reservoir-Foundation Systems**

BAYRAKTAR A., SEVİM B., ALTUNIŞIK A. C. , TÜRKER T., KARTAL M. E. , AKKÖSE M., BİLİCİ Y.

Dam Engineering, vol.19, pp.1-39, 2008 (Journal Indexed in AHCI)

- **Near-fault ground motion effects on the nonlinear response of dam-reservoir-foundation systems**

Bayraktar A., ALTUNIŞIK A. C. , Sevim B., Kartal M. E. , TÜRKER T.

STRUCTURAL ENGINEERING AND MECHANICS, vol.28, pp.411-442, 2008 (Journal Indexed in SCI)

- **Near-Fault Ground Motion Effects on the Nonlinear Response of Dam-Reservoir-Foundation Systems**

BAYRAKTAR A., ALTUNIŞIK A. C. , Sevim B., Kartal M. E. , TÜRKER T.

STRUCTURAL ENGINEERING AND MECHANICS, vol.28, pp.411-422, 2008 (Journal Indexed in SCI Expanded)

- **Modal Testing and Finite Element Model Calibration of an Arch Type Steel Footbridge**

BAYRAKTAR A., ALTUNIŞIK A. C. , Sevim B., TÜRKER T.

STEEL AND COMPOSITE STRUCTURES, vol.7, pp.487-502, 2007 (Journal Indexed in SCI)

- **Modal testing and finite element model calibration of an arch type steel footbridge**

Bayraktar A., ALTUNIŞIK A. C. , Sevim B., TÜRKER T.

Articles Published in Other Journals

- **Numerical Modeling of Masonry Infilled Reinforced Concrete Building during Construction Stages Using ABAQUS Software**
Roudane B., ADANUR S., ALTUNIŞIK A. C.
BUILDINGS, vol.9, 2019 (Journal Indexed in ESCI)
- **Determination of Natural Frequencies of Arch Dams Based on Reservoir Levels Using Ambient and Forced Vibration Tests**
SEVİM B., ALTUNIŞIK A. C.
Civil Engineering Research Journal, vol.3, pp.1-14, 2018 (Refereed Journals of Other Institutions)
- **EFFECTS OF STRAND CONFIGURATION ON PRE-TENSIONED I-GIRDERS**
ATMACA B., ATEŞ Ş., GÜNAYDIN M., ALTUNIŞIK A. C.
Sigma Journal of Engineering and Natural Sciences, vol.36, pp.179-190, 2018 (Journal Indexed in ESCI)
- **Effects of Strand Configuration on Pre-tensioned I-Girders**
ATMACA B., ATEŞ Ş., GÜNAYDIN M., ALTUNIŞIK A. C.
Sigma Journal of Engineering and Natural Sciences, vol.36, pp.179-190, 2018 (Journal Indexed in ESCI)
- **Creation of Similarity Requirement with Field Equations in Steel Bearing Systems**
ALTUNIŞIK A. C. , KALKAN E., BAŞAĞA H. B.
The Open Civil Engineering Journal, vol.12, pp.134-149, 2018 (Refereed Journals of Other Institutions)
- **Development of engineering software to predict the structural behavior of arch dams**
ALTUNIŞIK A. C. , KALKAN E., BAŞAĞA H. B.
ADVANCES IN COMPUTATIONAL DESIGN, vol.3, pp.87-112, 2018 (Journal Indexed in ESCI)
- **EFFECTS OF STRAND CONFIGURATION ON PRE-TENSIONED I-GIRDERS**
ATMACA B., ATEŞ Ş., Gunaydin M., ALTUNIŞIK A. C.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.36, pp.179-190, 2018 (Journal Indexed in ESCI)
- **Kemer Barajların Yapısal Davranışlarını Belirlemek Amacıyla Geliştirilen Mühendislik Yazılımı**
ALTUNIŞIK A. C. , KALKAN E., BAŞAĞA H. B.
DSİ TEKNİK BÜLTENİ, pp.1-21, 2017 (Other Refereed National Journals)
- **EARTHQUAKE INCIDENCE ANGLE INFLUENCE ON SEISMIC PERFORMANCE OF REINFORCED CONCRETE BUILDINGS**
ALTUNIŞIK A. C. , Kalkan E.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.35, pp.609-631, 2017 (Journal Indexed in ESCI)
- **Earthquake incidence angle influence on seismic performance of reinforced concrete buildings**
ALTUNIŞIK A. C. , KALKAN E.
SIGMA, vol.35, pp.609-631, 2017 (Journal Indexed in ESCI)
- **Multiple-Support Seismic Response of Bosphorus Suspension Bridge for Various Random Vibration Methods**
ADANUR S., ALTUNIŞIK A. C. , SOYLUK K., BAYRAKTAR A., DUMANOĞLU A. A.
Case Studies in Structural Engineering, vol.5, pp.54-67, 2016 (Journal Indexed in ESCI)
- **Betonarme Binaların Yapım Aşamasına Göre Analizi**
Gunaydin M., ADANUR S., ALTUNIŞIK A. C. , ATEŞ Ş., Sevim B.
Yapı Dünyası, vol.197-198, pp.39-45, 2012 (Other Refereed National Journals)
- **Asma Köprülerin Yapısal Davranışlarının Belirlenmesinde Yapım Aşamalarının Dikkate Alınması**
Gunaydin M., ADANUR S., ALTUNIŞIK A. C. , Sevim B.
Yapı Dünyası, vol.184, pp.21-27, 2011 (Other Refereed National Journals)
- **Ölçeklendirilmiş Bir Kemer Barajın Laboratuar Modelinin Oluşturulması**
BAYRAKTAR A., Sevim B., ALTUNIŞIK A. C. , ADANUR S., AKKÖSE M.
DSİ TEKNİK BÜLTENİ, vol.107, pp.1-13, 2010 (Other Refereed National Journals)
- **Ölçeklendirilmiş Bir Kemer Barajın Laboratuar Modelinin Oluşturulması**

BAYRAKTAR A., Sevim B., ALTUNIŞIK A. C. , ADANUR S., AKKÖSE M.
DSİ TEKNİK BÜLTENİ, vol.107, pp.1-13, 2010 (Other Refereed National Journals)

• **Ölçeklendirilmiş Bir Kemer Barajın Laboratuvar Modelinin Oluşturulması**

BAYRAKTAR A., Sevim B., ALTUNIŞIK A. C. , ADANUR S., AKKÖSE M.
DSİ TEKNİK BÜLTENİ, vol.107, pp.1-13, 2010 (Other Refereed National Journals)

• **Ölçeklendirilmiş Bir Kemer Barajın Laboratuvar Modelinin Oluşturulması**

BAYRAKTAR A., Sevim B., ALTUNIŞIK A. C. , ADANUR S., AKKÖSE M.
DSİ TEKNİK BÜLTENİ, vol.107, pp.1-13, 2010 (Other Refereed National Journals)

• **Tarihi Yapıların Deprem Güvenliklerinin Tahribatsız Deneysel Yöntemlerle Belirlenmesi**

BAYRAKTAR A., ALTUNIŞIK A. C. , Sevim B., TÜRKER T., Birinci F.
İMO İstanbul, vol.98, pp.10-20, 2010 (Other Refereed National Journals)

• **Karayolu Köprülerinin Sonlu Eleman Analizlerinde Yapım Aşamalarının ve Zamana Bağlı Deformasyonların Dikkate Alınması**

ALTUNIŞIK A. C. , BAYRAKTAR A., Sevim B., ADANUR S., Domanic A.
Yapı Dünyası, vol.161, pp.11-15, 2009 (Other Refereed National Journals)

• **Köprülerin Dinamik Karakteristiklerinin Operasyonel Modal Analiz Yöntemiyle Belirlenmesi**

BAYRAKTAR A., ALTUNIŞIK A. C. , Sevim B., TÜRKER T., Domanic A., Taş Y.
Yapı Dünyası, vol.150, pp.44-57, 2008 (Other Refereed National Journals)

• **Kömürhan Köprüsünün Dinamik Karakteristiklerinin Analitik ve Deneysel Modal Analiz Yöntemleriyle Belirlenmesi**

BAYRAKTAR A., ALTUNIŞIK A. C. , Sevim B., TÜRKER T., Domanic A., Taş Y.
İMO İstanbul, vol.98, pp.10-21, 2008 (Other Refereed National Journals)

Book & Book Chapters

• **İNŞAAT MÜHENDİSLİĞİNDE SAP2000 UYGULAMALARI**

ALTUNIŞIK A. C. , ATEŞ Ş., ADANUR S.
Dynamic Academy, Trabzon, 2019

• **İnşaat Mühendisliğinde Tekla Structures Uygulamaları**

ATEŞ Ş., OKUR F. Y. , ALTUNIŞIK A. C.
Dynamic Academy, 2019

• **İnşaat Mühendisliğinde SAP2000 Uygulamaları**

ALTUNIŞIK A. C. , ATEŞ Ş., ADANUR S.
Dynamic Academy, Trabzon, 2018

• **İnşaat Mühendisliğinde ANSYS Uygulamaları**

ALTUNIŞIK A. C. , GÜNAYDIN M., GENÇ A. F. , OKUR F. Y.
Dynamic Academy Yazılım İnşaat San. Tic. Ltd. Şti, 2018

• **Structural Identification of Historical Masonry Structures: Finite Element Analyses, Ambient Vibration Tests, Model Updating and Earthquake Response**

ALTUNIŞIK A. C. , GENÇ A. F. , GÜNAYDIN M., OKUR F. Y.
Scholar Press--Lambert Academic Publishing, Balti, 2017

• **NONDESTRUCTIVE TESTING STRUCTURAL BRIDGE IDENTIFICATION**

ALTUNIŞIK A. C.
in: Structural Bridge Engineering, Shahidan S., Editor, Intech, Berlin, pp.165-190, 2016

• **Seismic Performance Evaluation of Concrete Dams**

BAYRAKTAR A., SEVİM B., ALTUNIŞIK A. C. , KARTAL M. E. , TÜRKER T.
in: Dam Safety, Şen Z., Editor, Turkish Water Foundation, İstanbul, pp.173-198, 2007

Refereed Congress / Symposium Publications in Proceedings

• **Değişerek Yayılan Yer Hareketi Etkisi Altındaki Karayolu Köprülerinin Dinamik Davranışı**

HACİEFENDİOĞLU K., ALTUNIŞIK A. C. , Soyluk K.

4. Köprüler ve Viyadükler Sempozyumu, Ankara, Turkey, 1 - 02 November 2019, pp.33

- **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.-
- **Localisation of open transverse cracks in laminated composite beams based on modal data**
KAHYA V., karaca s., ALTUNIŞIK A. C. , OKUR F. Y. , ASLAN M.
International Congress on engineering and Architecture, Antalya, Turkey, 14 - 16 November 2018
- **Localization of Open Transverse Cracks in Laminated Composite Beams Based on Modal Data**
KAHYA V., ŞİMŞEK S., ALTUNIŞIK A. C. , OKUR F. Y. , ASLAN M.
International Congress on Engineering and Architecture, Antalya, Turkey, 14 - 16 November 2018, pp.70-91
- **STRUCTURAL BEHAVIOR OF CONCRETE GRAVITY DAMS USING WESTERGAARD, LAGRANGE AND EULER APPROACHES**
ALTUNIŞIK A. C. , SESLİ H., HÜSEM M., kalkan e.
5th International Symposium on Dam Safety, 27 - 31 October 2018
- **Structural Health Monitoring of Laboratory Arch Dam Model**
ALTUNIŞIK A. C. , SEVİM B., GÜNAYDIN M., ADANUR S., KALKAN E.
5th INTERNATIONAL SYMPOSIUM ON DAM SAFETY AND EXHIBITION, İstanbul, Turkey, 1 October - 01 November 2018, pp.1-9
- **Natural Frequency Analysis of Laminated Composite Beams with Multiple Open Transverse Cracks**
KAHYA V., ŞİMŞEK S., OKUR F. Y. , ALTUNIŞIK A. C. , ASLAN M.
International Conference on Innovative Engineering Applications, Sivas, Turkey, 20 - 22 September 2018, pp.327-334
- **Vibration Characteristics of Historical Masonry Museum**
GENÇ A. F. , OKUR F. Y. , GÜNAYDIN M., ALTUNIŞIK A. C.
INTERNATIONAL CONFERENCE ON INNOVATIVE ENGINEERING APPLICATIONS, Sivas, Turkey, 20 - 22 September 2018, pp.1-7
- **Experimental Modal Testing of a Historical Clock Tower**
OKUR F. Y. , GENÇ A. F. , GÜNAYDIN M., ALTUNIŞIK A. C.
INTERNATIONAL CONFERENCE ON INNOVATIVE ENGINEERING APPLICATIONS, Sivas, Turkey, 20 - 22 September 2018, pp.1-8
- **Characterization Of Glass Fiber Reinforced Polyester Composites Produced By Pultrusion Process**
ASLAN M., Ezzatkah A., KAHYA V., ALTUNIŞIK A. C. , Kayhan M.
International Technological Sciences and Design Symposium, Giresun, Turkey, 27 - 29 June 2018, pp.460
- **Performance of Masonry Buildings During the February, 2017 Ayvacık (Çanakale)**
ADANUR S., ALTUNIŞIK A. C. , GÜNAYDIN M., MOSALLAM A.
2ND INTERNATIONAL SYMPOSIUM ON NATURAL HAZARDS AND DISASTER MANAGEMENT, Sakarya, Turkey, 4 - 06 May 2018, pp.1-10
- **Ambient Vibration Testing Of A Historical Masonry Minaret**
ALTUNIŞIK A. C. , GÜNAYDIN M., GENÇ A. F. , OKUR F. Y.
3. International Conference on Civil and Environmental Engineering, İzmir, Turkey, 24 - 27 April 2018, pp.1-10
- **Dynamic Analysis of Osman Gazi Suspension Bridge**
ADANUR S., ALKASMOU H., GÜNAYDIN M., ALTUNIŞIK A. C.
3. International Conference on Civil and Environmental Engineering, İzmir, Turkey, 24 - 27 April 2018, pp.1-10
- **Damage detection of a multiple cracked cantilever beam**
ALTUNIŞIK A. C. , OKUR F. Y. , KAHYA V., KARACA S.
8th International Advanced Technologies Symposium, Elazığ, Turkey, 19 - 22 October 2017, pp.75-82
- **Experimental study on control performance of tuned liquid column dampers considering different excitation directions**
ALTUNIŞIK A. C. , Yetişken A., KAHYA V.
8th International Advanced Technologies Symposium, Elazığ, Turkey, 19 - 22 October 2017, pp.83-94
- **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, Eskişehir, Turkey, 11 - 13 October 2017, pp.1-12
- **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, Eskişehir, Turkey, 11 - 13 October 2017, pp.1-10
 - **Finite Element Model Updating Effect on Earthquake Behaviour of Masonry Structures**
ALTUNIŞIK A. C. , GENÇ A. F. , OKUR F. Y. , GÜNAYDIN M., ADANUR S.
4. Uluslararası Deprem Mühendisliği ve Sismoloji Konferansı, Eskişehir, Turkey, 11 - 13 October 2017, pp.1-12
 - **Finite Element Model Updating Procedure of a RC Frame Model using Ambient Vibration Testing**
GÜNAYDIN M., ADANUR S., ALTUNIŞIK A. C.
Second International Conference on Advanced Engineering Technologies, Bayburt, Turkey, 21 - 23 September 2017, pp.63
 - **Damage Effect on the Dynamic Characteristics of Buildings**
ALTUNIŞIK A. C. , Karahasan O. Ş. , GENÇ A. F. , OKUR F. Y. , GÜNAYDIN M., ADANUR S.
Second International Conference on Advanced Engineering Technologies, Bayburt, Turkey, 21 - 23 September 2017, pp.60
 - **Tarihi Yığma Yapılarda Sonlu Eleman Model İyileştirmesi**
ALTUNIŞIK A. C. , OKUR F. Y. , GENÇ A. F. , GÜNAYDIN M., ADANUR S.
Second International Conference on Advanced Engineering Technologies, Bayburt, Turkey, 21 - 23 September 2017, pp.69
 - **Titreşim kontrolünde sıvı sütunlu sönümleyicilerin deneysel değerlendirilmesi**
ALTUNIŞIK A. C. , YETİSKEN A., KAHYA V.
II. International Conference on Advanced Engineering Technologies, Bayburt, Turkey, 21 - 23 September 2017, pp.1619
 - **Finite Element Model Updating of Historical Masonry Structures**
ALTUNIŞIK A. C. , OKUR F. Y. , GENÇ A. F. , GÜNAYDIN M., ADANUR S.
Second International Conference on Advanced Engineering Technologies, Bayburt, Turkey, 21 - 23 September 2017, pp.69
 - **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.
Second International Conference on Civil and Environmental Engineering, Nevşehir, Turkey, 8 - 10 May 2017, pp.1-10
 - **Analytical, numerical and experimental investigation of a box-sectional cantilever beam with multiple cracks**
ALTUNIŞIK A. C. , OKUR F. Y. , KAHYA V.
2nd International Conference on Civil and Environmental Engineering, Nevşehir, Turkey, 8 - 10 May 2017, pp.2131-2140
 - **Effects of Strand Configuration on Pretensioned I-Girder After Detensioning**
ATMACA B., ATEŞ Ş., GÜNAYDIN M., ALTUNIŞIK A. C.
INTERNATIONAL CONFERENCE ON COMPUTATIONAL AND EXPERIMENTAL SCIENCE AND ENGINEERING, Antalya, Turkey, 19 October - 24 November 2016, pp.373
 - **Farklı Zemin Sınıflarının Tip-1 Kemer Barajının Deprem Davranışına Etkisi**
SEVİM B., ALTUNIŞIK A. C. , Gunaydin M., ADANUR S., AKKÖSE M., BAYRAKTAR A.
Zemin Mekaniği ve Geoteknik Mühendisliği 16. Ulusal Kongresi, Erzurum, Turkey, 14 - 15 October 2016, pp.49
 - **CONDITION ASSESSMENT OF STEEL ARCH BRIDGES BASED ON AMBIENT VIBRATION TESTING**
Bayraktar A., ALTUNIŞIK A. C. , TÜRKER T.
8th International Conference on Arch Bridges, Wrocklaw, Poland, 5 - 07 October 2016, pp.1059-1068
 - **Near Fault Ground Motion Pulse Effect on the Dynamic Behavior of Concrete Gravity Dam Reservoir Foundation Systems using Different Water Modelling Approachs**
ALTUNIŞIK A. C. , SESLİ H., HÜSEM M., AKKÖSE M.
12th International Congress on Advances in Civil Engineering, İstanbul, Turkey, 21 - 23 September 2016, pp.54
 - **Ambient Vibration Tests of an Arch Dam Model under Damaged and Strengthened Conditions**
ALTUNIŞIK A. C. , GÜNAYDIN M., Sevim B., BAYRAKTAR A., ADANUR S.

12th International Congress on Advances in Civil Engineering, İstanbul, Turkey, 21 - 23 September 2016, pp.74

- **Near-Fault Ground Motion Pulse Effects on The Dynamic Behavior of Concrete Gravity Dam-Reservoir-Foundation Systems Using Different Water Modelling Approaches**

ALTUNIŞIK A. C. , SESLİ H., HÜSEM M., AKKÖSE M.

12th International Congress on Advances in Civil Engineering (ACE2016), İstanbul, Turkey, 21 - 23 September 2016, pp.1-11

- **Finite Element Model Updating Limits for Structural Identification**

GÜNAYDIN M., ADANUR S., ALTUNIŞIK A. C. , BAYRAKTAR A., Sevim B.

12th International Congress on Advances in Civil Engineering, İstanbul, Turkey, 21 - 23 September 2016, pp.75

- **Near-fault Ground Motion Pulse Effects on the Dynamic Behavior of Concrete Gravity Dam-Reservoir-Foundation Systems using Different Water Modelling Approaches**

ALTUNIŞIK A. C. , SESLİ H., AKKÖSE M., HÜSEM M.

ADVANCES IN CIVIL ENGINEERING, İstanbul, Turkey, 21 - 23 September 2016, vol.1, no.1, pp.1-8

- **Near-Fault Ground Motion Pulse Effect on the Dynamic Behavior of Concrete Gravity Dam-Reservoir-Foundation Systems using Different Water Modelling Approaches**

ALTUNIŞIK A. C. , SESLİ H., HÜSEM M., AKKÖSE M.

12th International Congress on Advances in Civil Engineering, İstanbul, Turkey, 21 - 23 September 2016, pp.54-64

- **Time Dependent Structural Identification of Long Span Highway Bridges**

ALTUNIŞIK A. C. , BAYRAKTAR A., SEVİM B.

İstanbul Bridge Conference 2016, İstanbul, Turkey, 8 - 10 August 2016, pp.52-62

- **Stationary and Transient Responses of Suspension Bridges to Spatially Varying Ground Motions**

ADANUR S., ALTUNIŞIK A. C. , SOYLUK K., BAYRAKTAR A., DUMANOĞLU A. A.

İstanbul Bridge Conference 2016, İstanbul, Turkey, 8 - 10 August 2016, pp.17-27

- **Safety Assessment of Stone Arch Bridges using Micro and Macro Modeling Techniques Including Soil Interaction Effect**

BAYRAKTAR A., GENÇ A. F. , AKBULUT Y. E. , ALTUNIŞIK A. C.

İstanbul Bridge Conference 2016, İstanbul, Turkey, 8 - 10 August 2016, pp.36-46

- **Restoration Effect on the Structural Behaviour of Historical Masonry Arch Bridges**

ALTUNIŞIK A. C. , BAYRAKTAR A., GENÇ A. F.

İstanbul Bridge Conference 2016, İstanbul, Turkey, 8 - 10 August 2016, pp.47-57

- **Hasarsız Deneysel Yöntemlerle Borçka Çelik Kemer Köprüsünün Restorasyon Öncesi Durum Tespiti**

BAYRAKTAR A., ALTUNIŞIK A. C. , TÜRKER T.

6. Çelik Yapılar Sempozyumu, Eskişehir, Turkey, 15 - 17 October 2015, vol.1, no.1, pp.1-10

- **Hibrit ve Çelik Kablo Köprülerin Dinamik Davranışlarının Karşılaştırılması**

GÜNAYDIN M., ADANUR S., ALTUNIŞIK A. C. , AKKÖSE M.

3. Köprüler ve Viyadükler Sempozyumu, Bursa, Turkey, 8 - 10 May 2015, vol.1, no.1, pp.1-10

- **Lif Takviyeli Kompozit Asma Yaya Köprüsünün Yapısal Davranışının İncelenmesi: Halgavor Asma Yaya Köprüsü**

GÜNAYDIN M., ADANUR S., ALTUNIŞIK A. C. , SEVİM B.

3. Köprüler ve Viyadükler Sempozyumu, Bursa, Turkey, 8 - 10 May 2015, vol.1, no.1, pp.1-10

- **asarlı Tarihi Köprülerin Yapısal Davranışlarına Restorasyon Çalışmalarının Etkisi**

ALTUNIŞIK A. C. , BAYRAKTAR A., GENÇ A. F.

3. Köprüler ve Viyadükler Sempozyumu, Bursa, Turkey, 8 - 10 May 2015, vol.1, no.1, pp.1-10

- **Köprülerde Kullanılan Kauçuk Mesnetlerin Hesap ve Tasarım Yazılımı**

ATMACA B., ATEŞ Ş., ALTUNIŞIK A. C.

3. Köprüler ve Viyadükler Sempozyumu, Bursa, Turkey, 8 - 10 May 2015, vol.1, no.1, pp.1-10

- **Yapı Sağlığı İzleme Sistemlerinin Farklı Taşıyıcı Sistemli Uzun Açıklıklı Tarihi Köprülere Uygulanması**

BAYRAKTAR A., TÜRKER T., ALTUNIŞIK A. C.

3. Köprüler ve Viyadükler Sempozyumu, Bursa, Turkey, 8 - 10 May 2015, vol.1, no.1, pp.1-10

- **Hasarlı Kemer Barajların Dinamik Karakteristiklerinin Zamana Bağlı Değişimlerinin Deneysel Yöntemlerle Belirlenmesi**

BAYRAKTAR A., ALTUNIŞIK A. C. , Sevim B., ADANUR S., Gunaydin M.

IV. Ulusal Baraj Güvenliği Sempozyumu, Elazığ, Turkey, 9 - 11 October 2014, vol.1, no.1, pp.105-116

- **HASARLI KEMER BARAJLARIN DİNAMİK KARAKTERİSTİKLERİNİN ZAMANA BAĞLI DEĞİŞİMLERİNİN DENEYSEL YÖNTEMLERLE BELİRLENMESİ**
 BAYRAKTAR A., SEVİM B., ALTUNIŞIK A. C. , ADANUR S., GÜNAYDIN M.
 Uluslararası Katılımlı IV. ULUSAL BARAJ GÜVENLİĞİ SEMPOZYUMU, Elazığ, Turkey, 9 - 11 October 2014, pp.1-10
- **Uzun Açıklıklı Betonarme Karayolu Köprülerinin Deprem Güvenliklerinin Hasarsız Dinamik Deneysel Yöntemlerle Belirlenmesi**
 BAYRAKTAR A., ALTUNIŞIK A. C. , TÜRKER T.
 2. Türkiye Deprem Mühendisliği ve Sismoloji Konferansı, Hatay, Turkey, 25 - 27 September 2013, pp.1-10
- **Dynamic behaviour of a cable stayed bridge using CFRP cables**
 ADANUR S., Gunaydin M., ALTUNIŞIK A. C. , Sevim B.
 Vienna Congress on Recent Advances in Earthquake Engineering and Structural Dynamics 2013, Viyana, Austria, 28 - 30 August 2013, vol.1, pp.247
- **Dynamic Analysis of a Suspension Bridge Using CFRP Composite Material**
 Atabey N. A. , ADANUR S., Gunaydin M., ALTUNIŞIK A. C. , Sevim B.
 2nd International Balkans Conference on Challenges of Civil Engineering, Tiran, Albania, 23 - 25 May 2013, vol.1, pp.23
- **Lifli Polimer Kompozit Malzeme Kullanılarak İnşa Edilmiş Asma Yaya Köprüsünün Dinamik Analizi**
 Gunaydin M., ADANUR S., ALTUNIŞIK A. C. , Sevim B.
 İnşaat Mühendisliği'nde 100. Yıl Teknik Kongresi, İstanbul, Turkey, 22 - 24 November 2012, vol.1, pp.26-27
- **Yapım Aşamalarının Betonarme Binaların Yapısal Davranışına Etkisi**
 Gunaydin M., ADANUR S., ALTUNIŞIK A. C. , ATEŞ Ş., Sevim B.
 İnşaat Mühendisliği'nde 100. Yıl Teknik Kongresi, İstanbul, Turkey, 22 - 24 November 2012, vol.1, pp.72-73
- **Seismic Assessment of Existing Engineering Structures using Ambient Vibrations**
 BAYRAKTAR A., Sevim B., ALTUNIŞIK A. C. , TÜRKER T.
 2012 4th International Conference "Problems of Cybernetics and Informatics", PCI 2012 – Proceedings, Baku, Azerbaijan, 24 - 27 September 2012, pp.1-10
- **Kömürhan Köprüsünün Sismik Performansının İncelenmesi ve Güçlendirme Önerileri**
 Domanic A., BAYRAKTAR A., ALTUNIŞIK A. C. , Sevim B., TÜRKER T., Tas Y.
 1. Türkiye Deprem Mühendisliği ve Sismoloji Konferansı, Ankara, Turkey, 11 - 14 October 2011, pp.1-10
- **Analitik Model Güncelleme Yöntemi Kullanılarak Köprülerin Hasar Tespiti**
 TÜRKER T., ALTUNIŞIK A. C. , BAYRAKTAR A., BAŞAĞA H. B.
 1. Türkiye Deprem Mühendisliği ve Sismoloji Konferansı, Ankara, Turkey, 11 - 14 October 2011, pp.1-10
- **Kablolu Köprülerin Yapım Aşamasına Göre Analizi**
 ATMACA B., ATEŞ Ş., ALTUNIŞIK A. C.
 2. Köprüler ve Viyadükler Sempozyumu, Eskişehir, Turkey, 28 - 30 September 2011, pp.73
- **Fatih Sultan Mehmet Köprüsü Yapısal Davranışının Yapım Aşamaları Dikkate Alınarak Belirlenmesi**
 Gunaydin M., ALTUNIŞIK A. C. , ADANUR S., Sevim B.
 2. Köprüler ve Viyadükler Sempozyumu, Eskişehir, Turkey, 28 - 30 September 2011, vol.1, pp.74
- **YAKIN VE UZAK FAY YER HAREKETİ ETKİSİNDEKİ ASMA KÖPRÜLERİN YAPISAL DAVRANIŞLARININ BELİRLENMESİ**
 ADANUR S., ALTUNIŞIK A. C. , BAYRAKTAR A., Sevim B., AKKÖSE M.
 XVII. Ulusal Mekanik Kongresi, Elazığ, Turkey, 5 - 09 September 2011, vol.1, no.1, pp.24-32
- **Reservoir Water Length Effects on the Dynamic Characteristics of a Prototype Arch Dam**
 BAYRAKTAR A., Sevim B., ALTUNIŞIK A. C. , AKKÖSE M., ADANUR S.
 9th International Congress on Advances in Civil Engineering, Trabzon, Turkey, 27 - 30 September 2010, vol.1, pp.286
- **Comparison of Analysis Results of Footbridges Using Steel and CFRP Materials**
 ADANUR S., ALTUNIŞIK A. C. , Keskin A.
 6th International Engineering and Construction Conference, Kahire, Egypt, 28 - 30 June 2010, vol.1, pp.581-588
- **Boundary Condition Effect on the Dynamic Characteristics of a Steel Bridge Model**
 ALTUNIŞIK A. C. , BAYRAKTAR A., Sevim B., ADANUR S.
 6th International Engineering and Construction Conference, Kahire, Egypt, 28 - 30 June 2010, vol.1, pp.1019-1028

- **Tarihi Mikron Köprüsünün Restorasyon Sonrası Dinamik Karakteristiklerinin Belirlenmesi**
BAYRAKTAR A., ALTUNIŞIK A. C. , Sevim B., Birinci F., Ozcan D. M. , TÜRKER T., BİRİNCİ KAYAALP F.
Uluslararası Katılımlı Tarihi Eserlerin Güçlendirilmesi ve Geleceğe Güvenle Devredilmesi Sempozyumu-2,
Diyarbakır, Turkey, 15 - 17 October 2009, pp.367-378
- **Osmanlı Tarihi Çift Kemer Köprüsünün Deneysel Titreşim Verilerinin Elde Edilmesi**
BAYRAKTAR A., ALTUNIŞIK A. C. , Sevim B., Birinci F., Ozcan D. M. , TÜRKER T., BİRİNCİ KAYAALP F.
Uluslararası Katılımlı Tarihi Eserlerin Güçlendirilmesi ve Geleceğe Güvenle Devredilmesi Sempozyumu-2,
Diyarbakır, Turkey, 15 - 17 October 2009, pp.189-198
- **Kemer Taşıyıcı Sistemli Çelik Bir Köprünün Laboratuvar Modelinin Oluşturulması**
ALTUNIŞIK A. C. , Sevim B., ADANUR S.
3. Ulusal Çelik Yapılar Sempozyumu, Gaziantep, Turkey, 8 - 10 October 2009, vol.1, pp.345-352
- **Asma Köprülerin Lineer Olmayan Davranışına Askı Şekillerinin Etkisi**
ADANUR S., BAYRAKTAR A., ALTUNIŞIK A. C. , Sevim B.
3. Ulusal Çelik Yapılar Sempozyumu, Gaziantep, Turkey, 8 - 10 October 2009, vol.1, pp.335-343
- **Yapım Aşamaları Dikkate Alınarak Köprülerin Davranışlarının Belirlenmesi**
ALTUNIŞIK A. C. , BAYRAKTAR A., Sevim B., Domanic A., ADANUR S.
Uluslararası Sakarya Deprem Sempozyumu 2009, Sakarya, Turkey, 1 - 03 October 2009, vol.1, pp.209-219
- **Kömürhan Köprüsünün Deprem Davranışına Sonlu Eleman Model İyileştirilmesinin Etkisi**
BAYRAKTAR A., ALTUNIŞIK A. C. , Sevim B., TÜRKER T.
Sakarya Uluslararası Deprem Sempozyumu, Sakarya, Turkey, 1 - 02 October 2009, pp.119-129
- **Betonarme Binalarda İnşa Aşamalarının Dinamik Karakteristiklere Etkisinin Operasyonel Modal Analiz Yöntemiyle Belirlenmesi**
BAYRAKTAR A., TÜRKER T., Sahin A., ALTUNIŞIK A. C. , Sevim B.
Sakarya Uluslararası Deprem Sempozyumu, Sakarya, Turkey, 1 - 02 October 2009, pp.29-39
- **Tarihi Şenyuva Köprüsünün Dinamik Karakteristiklerinin Deneysel Modal Analiz Yöntemiyle Belirlenmesi**
BAYRAKTAR A., ALTUNIŞIK A. C. , Birinci F., Sevim B., TÜRKER T., BİRİNCİ KAYAALP F.
Sakarya Uluslararası Deprem Sempozyumu, Sakarya, Turkey, 1 - 02 October 2009, pp.609-616
- **Experimental and Analytical Modal Analyses of a Prototype Arch Dam-Reservoir-Foundation Model**
BAYRAKTAR A., Sevim B., ALTUNIŞIK A. C. , ADANUR S., AKKÖSE M.
International Earthquake Symposium Kocaeli 2009, Kocaeli, Turkey, 17 - 19 August 2009, pp.256-269
- **Determination of Blast Vibration Effects on the Dynamic Behaviour of the Highway Bridges using Modal Testing**
BAYRAKTAR A., Sevim B., ALTUNIŞIK A. C. , TÜRKER T., ADANUR S.
8th International Congress on Advances in Civil Engineering, Gazimagusa, Cyprus (Kktc), 15 - 17 September 2008,
pp.557-565
- **Finite Element Model Updating of Fluid-Structure Interaction Systems using Operational Modal Analysis**
BAYRAKTAR A., Sevim B., ALTUNIŞIK A. C. , TÜRKER T., ADANUR S., AKKÖSE M.
Proceedings of the Fifth International Engineering and Construction Conference (IECC'5), Irvine, United States Of
America, 27 - 29 August 2008, pp.849-858
- **Ambient Vibration Testing of Steel Footbridges for Structural Identification**
BAYRAKTAR A., ALTUNIŞIK A. C. , Sevim B., TÜRKER T., ADANUR S., ATEŞ Ş.
Proceedings of the Fifth International Engineering and Construction Conference (IECC'5), Irvine, United States Of
America, 27 - 29 August 2008, pp.87-94
- **Karayolu Köprülerinin Sonlu Eleman Modellerinin Operasyonel Modal Analiz Yöntemiyle İyileştirilmesi**
BAYRAKTAR A., ALTUNIŞIK A. C. , TÜRKER T., Sevim B., ATEŞ Ş.
1. Köprü ve Viyadükler Sempozyumu, Ankara, Turkey, 29 - 30 November 2007, pp.355-364
- **Determination of Dynamic Characteristics of Turkish Style RC Minarets by Analytical and Experimental Modal Analyses**
BAYRAKTAR A., TÜRKER T., ALTUNIŞIK A. C. , Sevim B.
International Symposium on Advances in Earthquake and Structural Engineering- AESE, Isparta, Turkey, 24 - 26
October 2007, pp.185-194
- **Comparison of Nonlinear Seismic Behavior of Arch Dams to Near-Fault Strong Ground Motion using Westergaard and Lagrangian Approaches**

BAYRAKTAR A., Sevim B., ALTUNIŞIK A. C. , AKKÖSE M.

International Symposium on Advances in Earthquake and Structural Engineering (AESE2007), Antalya, Turkey, 24 - 26 October 2007, pp.393-405

• **Determination of Dynamic Characteristics of Steel Footbridges by Analytical and Experimental Modal Analyses**

BAYRAKTAR A., TÜRKER T., ALTUNIŞIK A. C. , Sevim B.

International Symposium on Advances in Earthquake and Structural Engineering- AESE, Antalya, Turkey, 22 - 24 October 2007, pp.163-172

• **Determination of Earthquake Behaviour of Highway Bridges by Operational Modal Analysis**

BAYRAKTAR A., ALTUNIŞIK A. C. , Sevim B., TÜRKER T., ATEŞ Ş., ADANUR S.

International Earthquake Symposium Kocaeli, Kocaeli, Turkey, 22 - 24 October 2007, pp.368-380

• **The Determination of Model Updating Effects on Earthquake Behaviour of Masonry Building**

TÜRKER T., BAYRAKTAR A., ALTUNIŞIK A. C. , Sevim B.

International Earthquake Symposium Kocaeli, Kocaeli, Turkey, 22 - 24 October 2007, pp.381-392

• **Determination of Dynamic Characteristics and Damage Pattern of Masonry Buildings Exposed The Blast Loads**

BAYRAKTAR A., TÜRKER T., ALTUNIŞIK A. C. , Sevim B.

7th International Conference on Shock and Impact Loads on Structures, Beijing, China, 17 - 19 October 2007, pp.131-138

• **Tarihi Köprülerin Deprem Davranışına Sonlu Eleman Model İyileştirilmesinin Etkisi**

BAYRAKTAR A., ALTUNIŞIK A. C. , TÜRKER T., Sevim B.

Altıncı Ulusal Deprem Mühendisliği Konferansı, İstanbul, Turkey, 16 - 20 October 2007, pp.29-39

• **Tarihi Yiğma Minarelerin Deprem Güvenliklerinin Operasyonel Modal Analiz Yöntemiyle Belirlenmesi**

BAYRAKTAR A., Sevim B., ALTUNIŞIK A. C. , TÜRKER T.

Tarihi Eserlerin Güçlendirilmesi ve Geleceğe Güvenle Devredilmesi Sempozyumu 1, Ankara, Turkey, 27 - 29 September 2007, pp.415-428

• **Tarihi Yiğma Köprülerin Sonlu Eleman Modellerinin Operasyonel Modal Analiz Yöntemiyle İyileştirilmesi**

BAYRAKTAR A., ALTUNIŞIK A. C. , TÜRKER T., Sevim B.

Tarihi Eserlerin Güçlendirilmesi ve Geleceğe Güvenle Devredilmesi Sempozyumu 1, Ankara, Turkey, 27 - 29 September 2007, pp.429-440

• **Toprak dolgu barajların baraj rezervuar temel etkileşimini dikkate alınarak lineer olmayan deprem davranışlarının incelenmesi**

BAYRAKTAR A., ALTUNIŞIK A. C. , ATEŞ Ş., HACIEFENDİOĞLU K.

1. Ulusal Baraj Güvenliği Sempozyumu, Turkey, 28 - 30 May 2007, pp.351-362

• **Rezervuarların kaya dolgu barajların lineer olmayan deprem davranışına etkisi**

BAYRAKTAR A., ALTUNIŞIK A. C. , ATEŞ Ş., HACIEFENDİOĞLU K.

1. Ulusal Baraj Güvenliği Sempozyumu, Turkey, 28 - 30 May 2007, pp.319-328

• **Düzlem Kafes Taşıyıcı Sistemlerin Operasyonel Modal Analizi**

BAYRAKTAR A., TÜRKER T., ALTUNIŞIK A. C. , Sevim B.

2. Çelik Yapılar Ulusal Sempozyumu, Eskişehir, Turkey, 10 - 11 May 2007, pp.273-281

• **Effect of Hanger Shapes on the Geometric Nonlinear Static and Dynamic Responses of Bosphorus Suspension Bridge**

ALTUNIŞIK A. C. , BAYRAKTAR A., ADANUR S.

7th International Congress on Advances in Civil Engineering, İstanbul, Turkey, 11 - 13 October 2006, vol.1, pp.208

Supported Projects

OKUR F. Y. , ALTUNIŞIK A. C. , TUBITAK Project, Mühendislik Yapılarında Hasar Tespiti ve Uzun Süreli Sağlık İzlenmesi, 2017 - Continues

ALVER Ü., GÜMÜŞKAYA E., ÇUVALCI H., ASLAN M., GÜLER O., YAZGAN A., DURAN C., KÜÇÜKÖMEROĞLU T., ALTUNIŞIK A. C. , OKUMUŞ H. İ. , et al., Project Supported by Higher Education Institutions, Polimer Matrisli Nano Parçacık Takviyeli Kompozit Malzemelerin Üretilmesi ve Optik ve Termal Özelliklerinin İncelenmesi, 2018 - 2020

Citations

Total Citations (WOS):1229

h-index (WOS):21

Awards

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