

## Assoc. Prof. MURAT GÜNAYDIN

### Personal Information

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### International Researcher IDs

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ScopusID: 57197604677

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### Education Information

Doctorate, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, Turkey 2011 - 2016

Postgraduate, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, Turkey 2008 - 2011

Undergraduate, Ataturk University, Mühendislik Fakültesi, İnşaat Mühendisliği, Turkey 2004 - 2008

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, ONARILMIŞ VE LİFLİ POLİMER KOMPOZİT MALZEMELERLE GÜÇLENDİRİLMİŞ BETONARME BİNALARIN DİNAMİK DAVRANIŞLARININ DENEYSEL VE ANALİTİK YÖNTEMLERLE İNCELENMESİ, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2016

Postgraduate, ASMA KÖPRÜLERİN YAPISAL DAVRANIŞININ YAPIM AŞAMALARI DİKKATE ALINARAK BELİRLENMESİ, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2011

### Research Areas

Civil Engineering, Structure, Buildings (industrial, commercial and public), Structural Engineering, Earthquake Engineering, Engineering and Technology

### Academic Titles / Tasks

Associate Professor, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2020 - Continues

Assistant Professor, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2018 - 2020

Gumushane University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2018 - 2018

Assistant Professor, Gumushane University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2017 - 2018

Research Assistant, Gumushane University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2009 - 2016

## Academic and Administrative Experience

Gumushane University, İnşaat Mühendisliği, 2017 - 2018

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

- I. **Hysteretic behaviour of square-hollow-section T- and X-joints with in-plane bending moment**  
Ozyurt E., GÜNAYDIN M.  
Journal of Constructional Steel Research, vol.220, 2024 (SCI-Expanded)
- II. **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.  
Journal of Earthquake and Tsunami, vol.18, no.2, 2024 (SCI-Expanded)
- III. **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)
- IV. **Experimental measurement-based FE model updating and seismic response of Santa Maria Church and its guesthouse building**  
ALTUNIŞIK A. C., GÜNAYDIN M., ERTÜRK ATMACA E., GENÇ A. F., OKUR F. Y., SEVİM B.  
Journal of Civil Structural Health Monitoring, vol.14, no.3, pp.663-692, 2024 (SCI-Expanded)
- V. **Evaluation of earthquake-related damages on masonry structures due to the 6 February 2023 Kahramanmaraş-Türkiye earthquakes: A case study for Hatay Governorship Building**  
KAHYA V., GENÇ A. F., SUNCA F., Roudane B., ALTUNIŞIK A. C., Yilmaz S., GÜNAYDIN M., Dok G., Kirtel O., Demir A., et al.  
Engineering Failure Analysis, vol.156, 2024 (SCI-Expanded)
- VI. **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)
- VII. **Field Observations and Damage Evaluation in Reinforced Concrete Buildings After the February 6th, 2023, Kahramanmaraş-Türkiye Earthquakes**  
Altunişik 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)
- VIII. **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)
- IX. **Enhanced Modal Participation Ratio-Based Structural Damage Identification: A New Filtering Approach Using Modal Assurance Criteria**  
Yilmaz Z., OKUR F. Y., GÜNAYDIN M., ALTUNIŞIK A. C.  
Buildings, vol.13, no.10, 2023 (SCI-Expanded)
- X. **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)
- XI. **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)

- XII. **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)
- XIII. **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)
- XIV. **Investigation of the structural behaviors of Bosphorus suspension bridge with vertical hangers replaced by inclined hangers**  
ADANUR S., Okur E. K., Can Altunışık A., GÜNAYDIN M., Rahwan B. R.  
Alexandria Engineering Journal, vol.65, pp.75-102, 2023 (SCI-Expanded)
- XV. **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)
- XVI. **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)
- XVII. **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.  
Engineering Failure Analysis, vol.143, 2023 (SCI-Expanded)
- 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.  
Journal of Architectural Conservation, vol.29, no.3, pp.193-213, 2023 (AHCI)
- XIX. **Diagnosis and Monitoring of Historical Timber Velipasa Han Building Prior to Restoration**  
GÜNAYDIN M., DEMİRKIR 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)
- XX. **Structural condition assessment of a historical masonry school building using experimental and numerical methods**  
GÜNAYDIN M., GENÇ A. F., Altunışık A. C., HACİEFENDİOĞLU K., OKUR F. Y., Okur E., ADANUR S.  
JOURNAL OF CIVIL STRUCTURAL HEALTH MONITORING, vol.12, no.5, pp.1083-1113, 2022 (SCI-Expanded)
- XXI. **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)
- XXII. **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)
- XXIII. **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)
- XXIV. **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)
- XXV. **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)

- XXVI. **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)
- XXVII. **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)
- XXVIII. **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)
- XXIX. **Performance Evaluation of Reinforced Concrete Buildings During the Sivrice-Elazig Earthquake (M<sub>w</sub>=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)
- XXX. **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.  
BULLETIN OF EARTHQUAKE ENGINEERING, vol.19, no.6, pp.2421-2456, 2021 (SCI-Expanded)
- XXXI. **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.  
JOURNAL OF PERFORMANCE OF CONSTRUCTED FACILITIES, vol.34, no.6, 2020 (SCI-Expanded)
- XXXII. **In situ dynamic investigation on the historic "Iskenderpasa" masonry mosque with non-destructive testing**  
GÜNAYDIN M.  
SMART STRUCTURES AND SYSTEMS, vol.26, no.1, pp.1-10, 2020 (SCI-Expanded)
- XXXIII. **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)
- XXXIV. **Seismic performance evaluation of a fire-exposed historical structure using an updated finite element model**  
GÜNAYDIN M.  
ENGINEERING FAILURE ANALYSIS, vol.106, 2019 (SCI-Expanded)
- XXXV. **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)
- XXXVI. **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, no.1, pp.150-159, 2019 (SCI-Expanded)
- XXXVII. **Automated Model Updating Effect on the Linear and Nonlinear Dynamic Responses of Historical Masonry Structures**  
ALTUNIŞIK A. C., OKUR F. Y., GENÇ A. F., Guenaydin M., KARAHASAN O. Ş.  
EXPERIMENTAL TECHNIQUES, vol.42, no.6, pp.605-621, 2018 (SCI-Expanded)
- XXXVIII. **Effect of Fiber-Reinforced Polymer Strengthening on Dynamic Characteristics of Reinforced Concrete Frame Using Model Updating**  
ALTUNIŞIK A. C., KARAHASAN O. Ş., GENÇ A. F., OKUR F. Y., GÜNAYDIN M., KALKAN E., ADANUR S.  
ACI STRUCTURAL JOURNAL, vol.115, no.6, pp.1589-1601, 2018 (SCI-Expanded)

- XXXIX. **Dynamic response of a historical armory building using the finite element model validated by the ambient vibration test**  
 ALTUNIŞIK A. C., GENÇ A. F., Gunaydin M., OKUR F. Y., KARAHASAN O. Ş.  
 JOURNAL OF VIBRATION AND CONTROL, vol.24, no.22, pp.5472-5484, 2018 (SCI-Expanded)
- XL. **Sensitivity-Based Model Updating of Building Frames using Modal Test Data**  
 ALTUNIŞIK A. C., KARAHASAN O. Ş., GENÇ A. F., OKUR F. Y., Gunaydin M., ADANUR S.  
 KSCE JOURNAL OF CIVIL ENGINEERING, vol.22, no.10, pp.4038-4046, 2018 (SCI-Expanded)
- XLI. **Ambient vibration based structural evaluation of reinforced concrete building model**  
 GÜNAYDIN M., ADANUR S., ALTUNIŞIK A. C.  
 EARTHQUAKES AND STRUCTURES, vol.15, no.3, pp.335-350, 2018 (SCI-Expanded)
- XLII. **Modal parameter identification of RC frame under undamaged, damaged, repaired and strengthened conditions**  
 ALTUNIŞIK A. C., KARAHASAN O. Ş., GENÇ A. F., OKUR F. Y., Gunaydin M., KALKAN E., ADANUR S.  
 MEASUREMENT, vol.124, pp.260-276, 2018 (SCI-Expanded)
- XLIII. **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, no.2, pp.107-124, 2018 (SCI-Expanded)
- XLIV. **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, no.1, 2018 (SCI-Expanded)
- XLV. **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, no.2, pp.231-244, 2017 (SCI-Expanded)
- XLVI. **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, no.5, 2017 (SCI-Expanded)
- XLVII. **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, no.2, pp.245-259, 2017 (SCI-Expanded)
- XLVIII. **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, no.6, 2016 (SCI-Expanded)
- XLIX. **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 (SCI-Expanded)
- L. **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, no.10, 2016 (SCI-Expanded)
- LI. **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 (SCI-Expanded)
- LII. **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, no.4, pp.1069-1077, 2015 (SCI-Expanded)
- LIII. **Dynamic responses of industrial reinforced concrete chimneys strengthened with fiber-reinforced**

## polymers

Karaca Z., Türkeli E., Gunaydin M., ADANUR S.

STRUCTURAL DESIGN OF TALL AND SPECIAL BUILDINGS, vol.24, no.3, pp.228-241, 2015 (SCI-Expanded)

- LIV. **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, no.1, pp.51-69, 2015 (SCI-Expanded)
- LV. **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, no.4, pp.405-429, 2014 (SCI-Expanded)
- LVI. **Construction stage analysis of Humber Suspension Bridge**  
ADANUR S., Gunaydin M., ALTUNIŞIK A. C., Sevim B.  
APPLIED MATHEMATICAL MODELLING, vol.36, no.11, pp.5492-5505, 2012 (SCI-Expanded)
- LVII. **Construction stage analysis of fatih sultan mehmet suspension bridge**  
Gunaydin M., ADANUR S., ALTUNIŞIK A. C., SEVİM B.  
STRUCTURAL ENGINEERING AND MECHANICS, vol.42, no.4, pp.489-505, 2012 (SCI-Expanded)

## Articles Published in Other Journals

- I. **On the earthquake-related damages of civil engineering structures within the areas impacted by Kahramanmaraş earthquakes**  
ATMACA B., Arslan M. E., EMİROĞLU M., ALTUNIŞIK A. C., ADANUR S., DEMİR A., GÜNAYDIN M., TOPLU E., TATAR T., KAHYA V., et al.  
Journal of Structural Engineering & Applied Mechanics (Online), vol.6, no.2, pp.98-116, 2023 (Peer-Reviewed Journal)
- II. **Finite element model updating of İskenderpaşa mosque and minaret based on experimental measurements**  
GENÇ A. F., ALTUNIŞIK A. C., Günaydin M., OKUR F. Y.  
Journal of Structural Engineering & Applied Mechanics (Online), vol.5, no.4, pp.264-276, 2022 (Peer-Reviewed Journal)
- III. **Analytical, numerical, and experimental determination of dynamic characteristics of prestressed concrete girders**  
Atmaca B., Ateş Ş., Günaydin M.  
Journal of Structural Engineering & Applied Mechanics, vol.5, no.1, pp.1-12, 2022 (Peer-Reviewed Journal)
- IV. **Structural modeling in object-oriented based software by utilizing data tables**  
Yılmaz Z., Okur F. Y., Günaydin M., Altunışık A. C.  
Journal of Construction Engineering, Management & Innovation, vol.4, no.4, pp.267-273, 2021 (Peer-Reviewed Journal)
- V. **Effect of Damping Ratios on the Seismic Behavior of a Historical Masonry Guesthouse Building**  
GENÇ A. F., ERTÜRK E., ALTUNIŞIK A. C., GÜNAYDIN M., OKUR F. Y.  
Recep Tayyip Erdogan University Journal of Science and Engineering, vol.2, no.2, pp.60-71, 2021 (Peer-Reviewed Journal)
- VI. **Experimental Modal Analysis and Structural Health Monitoring of the Double Curvature Deriner Arch Dam**  
ALTUNIŞIK A. C., Kalkan Okur E., OKUR F. Y., GÜNAYDIN M., GENÇ A. F.  
Natural and Applied Sciences Journal, vol.4, no.1, pp.22-29, 2021 (Peer-Reviewed Journal)
- VII. **Lessons learned from the past earthquakes on building performance in Turkey**  
ATMACA B., DEMİR S., GÜNAYDIN M., ALTUNIŞIK A. C., HÜSEM M., ATEŞ Ş., ADANUR S., ANGIN Z.  
Journal of Structural Engineering Applied Mechanics, vol.3, no.2, pp.61-84, 2020 (Peer-Reviewed Journal)
- VIII. **Tarihi Bir Yiğma Minarenin Onarım Sonrasındaki Dinamik Karakteristiklerinin Deneysel Olarak**

## Belirlenmesi

Günaydın M.

Gümüşhane Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.8, no.2, pp.381-395, 2018 (Peer-Reviewed Journal)

### IX. **Dynamic response of a reinforced concrete minaret**

Günaydın M., Tonyalı Z.

Journal of Structural Engineering & Applied Mechanics, vol.1, no.2, pp.62-72, 2018 (Peer-Reviewed Journal)

### X. **EFFECTS OF STRAND CONFIGURATION ON PRE-TENSIONED I-GIRDERS**

ATMACA B., ATEŞ Ş., Günaydın M., ALTUNIŞIK A. C.

SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.36, no.1, pp.179-190, 2018 (ESCI)

### XI. **Betonarme Binaların Yapım Aşamasına Göre Analizi**

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

Yapı Dünyası, no.197-198, pp.39-45, 2012 (Peer-Reviewed Journal)

### XII. **Asma Köprülerin Yapısal Davranışlarının Belirlenmesinde Yapım Aşamalarının Dikkate Alınması**

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

Yapı Dünyası, vol.184, pp.21-27, 2011 (Peer-Reviewed Journal)

## Books & Book Chapters

### I. **İnşaat Mühendisliğinde ANSYS Uygulamaları**

ALTUNIŞIK A. C., GÜNAYDIN M., GENÇ A. F., OKUR F. Y.

Dynamic Academy Yazılım İnşaat San. Tic. Ltd. Şti, 2018

### II. **Structural Identification of Historical Masonry Structures:Finite Element Analyses, Ambient Vibration Testing, Model Updating and Earthquake Response**

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### I. **Ambient vibration based model updating of a historical masonry church**

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