

# Prof. KEMAL HACİEFENDİOĞLU

## Personal Information

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## International Researcher IDs

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ScopusID: 6506359290

Yoksis Researcher ID: 3541

## Education Information

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

Postgraduate, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü , Turkey 1997 - 2000

Undergraduate, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü , Turkey 1993 - 1997

## Foreign Languages

English, B2 Upper Intermediate

## Dissertations

Doctorate, Değişerek yayılan yer hareketi etkisindeki toprak dolgu barajların lineer olmayan stokastik analizi, Karadeniz Technical University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği Bölümü , 2004

Postgraduate, Toprak dolgu barajların Drucker-Prager ve Eğri Tanımlama Yöntemleriyle lineer olmayan deprem analizi, Karadeniz Technical University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği Bölümü , 2000

## Research Areas

Civil Engineering, Structure, Earthquake Engineering, Engineering and Technology

## Academic Titles / Tasks

Associate Professor, Ondokuz Mayıs University, Faculty Of Engineering, Department Of Civil Engineering, 2011 - 2016

Associate Professor, Pennsylvania State University, Division Of Structural And Earthquake Engineering, Civil And Environmental Engineering, 2013 - 2014

Assistant Professor, Ondokuz Mayıs University, Faculty Of Engineering, Department Of Civil Engineering, 2009 - 2011

Research Assistant PhD, Ondokuz Mayıs University, Faculty Of Engineering, Department Of Civil Engineering, 2005 - 2009

Research Assistant, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2000 - 2004

Research Assistant, Ondokuz Mayıs University, Faculty Of Engineering, İnşaat Mühendisliği Bölümü , 1999 - 2000

## Academic and Administrative Experience

Ondokuz Mayıs University, 2015 - 2016  
Ondokuz Mayıs University, 2014 - 2015  
Ondokuz Mayıs University, 2011 - 2014  
Ondokuz Mayıs University, 2011 - 2014  
Ondokuz Mayıs University, 2012 - 2013  
Ondokuz Mayıs University, 2012 - 2013

## Courses

İstatistik, Undergraduate, 2018 - 2019  
Deprem Mühendisliğinde Zemin-Yapı etkileşimi, Doctorate, 2018 - 2019  
Yapı Dinamiğine Giriş, Undergraduate, 2018 - 2019

## Advising Theses

HACİEFENDİOĞLU K., Tarihi köprülerin dinamik analizlerinin deneysel ve sonlu elemanlar yöntemleri ile incelenmesi, Postgraduate, M.KURT(Student), 2016  
HACİEFENDİOĞLU K., Patlatma kaynaklı yer hareketi etkisindeki ayaklı su depolarının lineer olmayan dinamik analizi, Postgraduate, O.Köksal(Student), 2015

## Jury Memberships

Post Graduate, Derin Kazılarda Farklı İksa Sistemlerinin Tasarımının ve Deformasyonlarının İncelenmesi, ONDOKUZ MAYIS ÜNİVERSİTESİ, March, 2015  
Post Graduate, Behavior of Self-Compacting Steel Fibers Concrete Under the Influence of Hot and Cold Condition, ONDOKUZ MAYIS ÜNİVERSİTESİ, February, 2015  
Post Graduate, Orta Ve Doğu Karadeniz Bölgesinde Heyelanlar İçin Sınır Yağış Miktarı Değerlerinin Belirlenmesi, ONDOKUZ MAYIS ÜNİVERSİTESİ, June, 2011  
Post Graduate, Anlamsal Web Servislerine Dayalı bir Acil Durum Yönetim Sisteminin Tasarlanması ve Geliştirilmesi, KARADENİZ TEKNİK ÜNİVERSİTESİ, February, 2011

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

- I. **Applications of optical flow methods and computer vision in structural health monitoring for enhanced modal identification**  
HACİEFENDİOĞLU K., KAHYA V., Limongelli M. G., OKUR F. Y., ALTUNIŞIK A. C., Aslan T., Pembeoğlu S., Duman C., Bostan A., Aleit H.  
Structures, vol.69, 2024 (SCI-Expanded)
- II. **Automatic landslide detection and visualization by using deep ensemble learning method**  
HACİEFENDİOĞLU K., VAROL N., TOĞAN V., BAHADIR Ü., Kartal M. E.  
Neural Computing and Applications, vol.36, no.18, pp.10761-10776, 2024 (SCI-Expanded)
- III. **Estimation of Damage Levels in Masonry Structures Following Earthquake Impact Using Deep Learning-based Segmentation Method**  
HACİEFENDİOĞLU K., ÖZGAN K., ADANUR S., ALTUNIŞIK A. C., Demirel B., GÜNAYDIN M.  
Journal of Earthquake and Tsunami, vol.18, no.2, 2024 (SCI-Expanded)
- IV. **Automatic Landslide Segmentation Using a Combination of Grad-CAM Visualization and K-Means**

## Clustering Techniques

HACIEFENDİOĞLU K., ADANUR S., Demir G.

Iranian Journal of Science and Technology - Transactions of Civil Engineering, vol.48, no.2, pp.943-959, 2024 (SCI-Expanded)

- V. **Automatic Detection of Collapsed Buildings after the 6 February 2023 Türkiye Earthquakes Using Post-Disaster Satellite Images with Deep Learning-Based Semantic Segmentation Models**  
HACIEFENDİOĞLU K., BAŞAĞA H. B., KAHYA V., ÖZGAN K., ALTUNIŞIK A. C.  
BUILDINGS, vol.14, no.3, 2024 (SCI-Expanded)
- VI. **Structural Modal Calibration of Historical Masonry Arch Bridge by Using a Novel Deep Neural Network Approach**  
Alpaslan E., HACIEFENDİOĞLU K., Yılmaz M. F., Demir G., Mostofi F., TOĞAN V.  
Iranian Journal of Science and Technology - Transactions of Civil Engineering, vol.48, no.1, pp.329-352, 2024 (SCI-Expanded)
- VII. **An Approach for Brick Wall Quantity Take-Off by U-Net Method Based on Deep Learning**  
Başaga H. B., Hacıfendioğlu K.  
TURKISH JOURNAL OF CIVIL ENGINEERING, vol.35, no.1, pp.1-22, 2024 (SCI-Expanded)
- VIII. **Field Observations and Damage Evaluation in Reinforced Concrete Buildings After the February 6th, 2023, Kahramanmaraş-Türkiye Earthquakes**  
Altunışık A. C., Arslan M. E., Kahya V., Aslan B., Sezdirmez T., Dok G., Kirtel O., Öztürk H., Sunca F., Baltacı A., et al.  
JOURNAL OF EARTHQUAKE AND TSUNAMI, vol.17, no.6, 2023 (SCI-Expanded)
- IX. **Deep learning-based total suspended solids concentration classification of stream water surface images captured by mobile phone**  
Hacıfendioğlu K., Baki O. T., Başaga H. B., Mete B.  
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.195, no.12, 2023 (SCI-Expanded)
- X. **Deep learning-driven automatic detection of mucilage event in the Sea of Marmara, Turkey**  
Hacıfendioğlu K., Başaga H. B., Baki O. T., Bayram A.  
NEURAL COMPUTING & APPLICATIONS, vol.35, no.9, pp.7063-7079, 2023 (SCI-Expanded)
- XI. **3D seismic analysis concrete-faced rockfill dam subjected to simulated spatially varying ground motion**  
Hacıfendioğlu K., Kartal M. E.  
ARABIAN JOURNAL OF GEOSCIENCES, vol.15, no.42, pp.1-12, 2022 (SCI-Expanded)
- XII. **Automatic detection of icing wind turbine using deep learning method**  
HACIEFENDİOĞLU K., BAŞAĞA H. B., AYAS S., Karimi M. T.  
WIND AND STRUCTURES, vol.34, no.6, pp.511-523, 2022 (SCI-Expanded)
- XIII. **Automated Estimation of Exposed Temperature and Strength Changing Ratio for Fire-Damaged Concrete Using Deep Learning Method**  
Hacıfendioğlu K., Akbulut Y. E., Nayır S., Başaga H. B., Altunışık A. C.  
EXPERIMENTAL TECHNIQUES, vol.46, no.5, pp.793-810, 2022 (SCI-Expanded)
- XIV. **CAM-K: a novel framework for automated estimating pixel area using K-Means algorithm integrated with deep learning based-CAM visualization techniques**  
Hacıfendioğlu K., Mostofi F., Togan V., Basaga H. B.  
NEURAL COMPUTING & APPLICATIONS, vol.34, no.20, pp.17741-17759, 2022 (SCI-Expanded)
- XV. **Structural condition assessment of a historical masonry school building using experimental and numerical methods**  
GÜNAYDIN M., GENÇ A. F., Altunsisk A. C., HACIEFENDİOĞLU K., OKUR F. Y., Okur E., ADANUR S.  
JOURNAL OF CIVIL STRUCTURAL HEALTH MONITORING, vol.12, no.5, pp.1083-1113, 2022 (SCI-Expanded)
- XVI. **Automatic Estimation of Post-fire Compressive Strength Reduction of Masonry Structures Using Deep Convolutional Neural Network**  
HACIEFENDİOĞLU K., GENÇ A. F., NAYIR S., AYAS S., ALTUNIŞIK A. C.  
FIRE TECHNOLOGY, vol.58, no.5, pp.2779-2809, 2022 (SCI-Expanded)
- XVII. **Wood construction damage detection and localization using deep convolutional neural network with**

**transfer learning**

HACIEFENDİOĞLU K., AYAS S., BAŞAĞA H. B., TOĞAN V., Mostofi F., Can A.

EUROPEAN JOURNAL OF WOOD AND WOOD PRODUCTS, vol.80, no.4, pp.791-804, 2022 (SCI-Expanded)

- XVIII. **Automatic Damage Detection on Traditional Wooden Structures with Deep Learning-Based Image Classification Method**  
HACIEFENDİOĞLU K., BAŞAĞA H. B., Kartal M. E., Bulut M. C.  
DRVNA INDUSTRIJA, vol.73, no.2, pp.163-176, 2022 (SCI-Expanded)
- XIX. **Concrete Road Crack Detection Using Deep Learning-Based Faster R-CNN Method**  
HACIEFENDİOĞLU K., BAŞAĞA H. B.  
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY-TRANSACTIONS OF CIVIL ENGINEERING, vol.46, no.2, pp.1621-1633, 2022 (SCI-Expanded)
- XX. **Intelligent ice detection on wind turbine blades using semantic segmentation and class activation map approaches based on deep learning method**  
Haciefendioğlu K., Başağa H. B., Yavuz Z., Karımı M. T.  
RENEWABLE ENERGY, vol.182, 2022 (SCI-Expanded)
- XXI. **Landslide detection using visualization techniques for deep convolutional neural network models**  
HACIEFENDİOĞLU K., Demir G., BAŞAĞA H. B.  
NATURAL HAZARDS, vol.109, no.1, pp.329-350, 2021 (SCI-Expanded)
- XXII. **Automatic detection of earthquake-induced ground failure effects through Faster R-CNN deep learning-based object detection using satellite images**  
Haciefendioğlu K., Başağa H. B., Demir G.  
NATURAL HAZARDS, vol.105, no.1, pp.383-403, 2021 (SCI-Expanded)
- XXIII. **Response surface-based finite-element model updating of a historic masonry minaret for operational modal analysis**  
ALPASLAN E., HACIEFENDİOĞLU K., DEMİR G., BİRİNCİ F.  
STRUCTURAL DESIGN OF TALL AND SPECIAL BUILDINGS, vol.29, no.9, 2020 (SCI-Expanded)
- XXIV. **Experimental modal investigation of scaled minaret embedded in different soil types**  
Haciefendioğlu K., Alpaslan E., Demir G., Dinc B., Birinci F.  
GRADEVINAR, vol.70, no.3, pp.201-212, 2018 (SCI-Expanded)
- XXV. **Probabilistic analysis of historic masonry bridges to random ground motion by Monte Carlo Simulation using Response Surface Method**  
HACIEFENDİOĞLU K., BAŞAĞA H. B., BANERJEE S.  
CONSTRUCTION AND BUILDING MATERIALS, vol.134, pp.199-209, 2017 (SCI-Expanded)
- XXVI. **Stochastic dynamic response of short-span highway bridges to spatial variation of blasting ground vibration**  
Haciefendioğlu K.  
APPLIED MATHEMATICS AND COMPUTATION, vol.292, pp.194-209, 2017 (SCI-Expanded)
- XXVII. **Photogrammetry in Documentation and Ambient Vibration Test of Historical Masonry Minarets**  
Haciefendioğlu K., Maras E. E.  
EXPERIMENTAL TECHNIQUES, vol.40, no.6, pp.1527-1537, 2016 (SCI-Expanded)
- XXVIII. **Dynamic assessment of partially damaged historic masonry bridges under blast-induced ground motion using multi-point shock spectrum method**  
Haciefendioğlu K., Koc V.  
APPLIED MATHEMATICAL MODELLING, vol.40, pp.10088-10104, 2016 (SCI-Expanded)
- XXIX. **Stochastic dynamic analysis of a historical masonry bridge under surface blast-induced multi-point ground motion**  
Haciefendioğlu K., Banerjee S., Soyuk K., Alpaslan E.  
STOCHASTIC ENVIRONMENTAL RESEARCH AND RISK ASSESSMENT, vol.29, no.5, pp.1275-1286, 2015 (SCI-Expanded)
- XXX. **Multi-point response spectrum analysis of a historical bridge to blast ground motion**  
Haciefendioğlu K., BANERJEE S., Soyuk K., Koksal O.

- STRUCTURAL ENGINEERING AND MECHANICS, vol.53, no.5, pp.897-919, 2015 (SCI-Expanded)
- XXXI. **Stochastically simulated blast-induced ground motion effects on nonlinear response of an industrial masonry chimney**  
Haciefendioğlu K., Alpaslan E.  
Stochastic Environmental Research and Risk Assessment, vol.28, no.2, pp.415-427, 2014 (SCI-Expanded)
- XXXII. **The effect of seasonally frozen soil on stochastic response of elevated water tank under random excitation**  
Haciefendioğlu K., Kartal M. E., Karaca Z.  
STOCHASTIC ENVIRONMENTAL RESEARCH AND RISK ASSESSMENT, vol.27, no.4, pp.807-818, 2013 (SCI-Expanded)
- XXXIII. **Stochastic seismic response analysis of offshore wind turbine including fluid-structure-soil interaction**  
Haciefendioğlu K.  
STRUCTURAL DESIGN OF TALL AND SPECIAL BUILDINGS, vol.21, no.12, pp.867-878, 2012 (SCI-Expanded)
- XXXIV. **Effects of blast-induced random ground motions on the stochastic behaviour of industrial masonry chimneys**  
Haciefendioğlu K., Soyluk K.  
STRUCTURAL ENGINEERING AND MECHANICS, vol.43, no.6, pp.835-845, 2012 (SCI-Expanded)
- XXXV. **Numerical investigation of stochastic response of an elevated water tank to random underground blast loading**  
Haciefendioğlu K., Soyluk K., Birinci F.  
STOCHASTIC ENVIRONMENTAL RESEARCH AND RISK ASSESSMENT, vol.26, no.4, pp.599-607, 2012 (SCI-Expanded)
- XXXVI. **Deconvolution effect of near-fault earthquake ground motions on stochastic dynamic response of tunnel-soil deposit interaction systems**  
Haciefendioğlu K.  
NATURAL HAZARDS AND EARTH SYSTEM SCIENCES, vol.12, no.4, pp.1151-1157, 2012 (SCI-Expanded)
- XXXVII. **Comparison of Stochastic Responses of Asphaltic Concrete Core and Asphaltic Lining Dams with Clay Core Dams to Stationary and Nonstationary Excitation**  
Haciefendioğlu K., Soyluk K., Birinci F.  
ADVANCES IN STRUCTURAL ENGINEERING, vol.15, no.1, pp.91-105, 2012 (SCI-Expanded)
- XXXVIII. **Stochastic dynamic response of masonry minarets subjected to random blast and earthquake-induced ground motions**  
Haciefendioğlu K., Birinci F.  
STRUCTURAL DESIGN OF TALL AND SPECIAL BUILDINGS, vol.20, no.6, pp.669-678, 2011 (SCI-Expanded)
- XXXIX. **Effect of Ice Sheet on Stochastic Response of Offshore Wind Turbine-Seawater-Soil Interaction Systems Subjected to Random Seismic Excitation**  
Haciefendioğlu K., Bayraktar A.  
JOURNAL OF COLD REGIONS ENGINEERING, vol.25, no.3, pp.115-132, 2011 (SCI-Expanded)
- XL. **Nonlinear Response of Earthfill Dams to Spatially Varying Ground Motion Including Site Response Effect**  
Haciefendioğlu K., Soyluk K.  
ADVANCES IN STRUCTURAL ENGINEERING, vol.14, no.2, pp.223-234, 2011 (SCI-Expanded)
- XLI. **Seismic response of concrete gravity dam-ice covered reservoir-foundation interaction systems**  
Haciefendioğlu K., Bayraktar A., Tuerker T.  
STRUCTURAL ENGINEERING AND MECHANICS, vol.36, no.4, pp.499-511, 2010 (SCI-Expanded)
- XLII. **Estimation of stochastic nonlinear dynamic response of rock-fill dams with uncertain material parameters for non-stationary random seismic excitation**  
Haciefendioğlu K., Bayraktar A., BAŞAĞA H. B.  
NONLINEAR DYNAMICS, vol.61, pp.43-55, 2010 (SCI-Expanded)
- XLIII. **Effect of material uncertainty on stochastic response of dams**

- Haciefendioglu K.  
PROCEEDINGS OF THE INSTITUTION OF CIVIL ENGINEERS-GEOTECHNICAL ENGINEERING, vol.163, no.2, pp.83-89, 2010 (SCI-Expanded)
- XLIV. **Deconvolved Stochastic Seismic Excitation Effect on the Nonlinear Response of Asphaltic Lining Dam-Foundation Interaction Systems**  
Haciefendioglu K.  
ADVANCES IN STRUCTURAL ENGINEERING, vol.13, no.1, pp.127-137, 2010 (SCI-Expanded)
- XLV. **Seasonally frozen soil's effect on stochastic response of masonry minaret-soil interaction systems to random seismic excitation**  
Haciefendioglu K.  
COLD REGIONS SCIENCE AND TECHNOLOGY, vol.60, no.1, pp.66-74, 2010 (SCI-Expanded)
- XLVI. **Stochastic response of concrete faced rockfill dams including partially ice-covered reservoir-foundation interaction under spatially varying seismic waves**  
Haciefendioglu K.  
COLD REGIONS SCIENCE AND TECHNOLOGY, vol.58, pp.57-67, 2009 (SCI-Expanded)
- XLVII. **Stochastic dynamic response of dam-reservoir-foundation systems to spatially varying earthquake ground motions**  
Bilici Y., Bayraktar A., Soyuluk K., Haciefendioglu K., ATEŞ Ş., Adanur S.  
SOIL DYNAMICS AND EARTHQUAKE ENGINEERING, vol.29, no.3, pp.444-458, 2009 (SCI-Expanded)
- XLVIII. **The effects of ice cover on stochastic response of concrete gravity dams to multi-support seismic excitation**  
Haciefendioglu K., Bayraktar A., Bilici Y.  
COLD REGIONS SCIENCE AND TECHNOLOGY, vol.55, no.3, pp.295-303, 2009 (SCI-Expanded)
- XLIX. **Stochastic response of underground structures**  
Haciefendioglu K., BAYRAKTAR A.  
Proceedings of the Institution of Civil Engineers: Geotechnical Engineering, vol.161, no.6, pp.325-339, 2008 (SCI-Expanded)
- L. **Nonlinear analysis of rock-fill dams to non-stationary excitation by the stochastic Wilson-theta method**  
Haciefendioglu K., BAŞAĞA H. B., Bayraktar A., ATEŞ Ş.  
APPLIED MATHEMATICS AND COMPUTATION, vol.194, no.2, pp.333-345, 2007 (SCI-Expanded)
- LI. **Transient stochastic analysis of nonlinear response of earth and rock-fill dams to spatially varying ground motion**  
Haciefendioglu K.  
STRUCTURAL ENGINEERING AND MECHANICS, vol.22, no.6, pp.647-664, 2006 (SCI-Expanded)
- LII. **Asynchronous seismic analysis of concrete-faced rockfill dams including dam-reservoir interaction**  
Bayraktar A., Haciefendioglu K., Muvafik M.  
CANADIAN JOURNAL OF CIVIL ENGINEERING, vol.32, no.5, pp.940-947, 2005 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Deep Learning-Based Automated Detection of Cracks in Historical Masonry Structures**  
Haciefendioglu K., Altunışık A. C., Abdioğlu T.  
BUILDINGS, vol.13, no.12, pp.1-21, 2023 (Peer-Reviewed Journal)
- II. **Influence of uncertainty of structural parameters on the stochastic dynamic response of asphaltic lining dam-foundation systems to non-stationary random seismic excitation**  
HACIEFENDİOĞLU K., BAŞAĞA H. B.  
Journal of Structural Engineering & Applied Mechanics (Online), vol.5, no.4, pp.222-237, 2022 (Peer-Reviewed Journal)
- III. **Stochastic Dynamic Analysis of Historical Structures subjected to Traffic-induced Ground Motion**

### **using Non-destructive Methods**

Haciefendioğlu K.

Gümüşhane Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.10, no.2, pp.298-308, 2020 (Peer-Reviewed Journal)

- IV. **Blast-induced ground motion effect on dynamic response of a cylindrical vertical water tank with piled raft foundation**  
Haciefendioğlu K., Demir G., Altunışık A. C.  
Challenge Journal of Structural Mechanics, vol.6, no.3, pp.120-131, 2020 (Peer-Reviewed Journal)
- V. **Investigation of seasonal low temperature effects on dynamic behavior of prototype reinforced concrete minaret by using experimental and numerical studies**  
HACIEFENDİOĞLU K., Birinci F.  
Journal of Structural Engineering & Applied Mechanics, vol.2, no.3, pp.143-152, 2019 (Peer-Reviewed Journal)
- VI. **Influence of soil conditions on the stochastic response of asphaltic lining dams to spatially varying ground motions**  
HACIEFENDİOĞLU K.  
Journal of Structural Engineering & Applied Mechanics, vol.1, no.4, pp.155-163, 2019 (Peer-Reviewed Journal)
- VII. **Modal Identification of a Reduced-Scale Masonry Arch Bridge with Experimental Measurements and Finite Element Method**  
ALPASLAN E., DİNÇ B., HACIEFENDİOĞLU K., DEMİR G., KÖKSAL O.  
Challenge Journal of Structural Mechanics, vol.3, no.3, pp.108-115, 2017 (Peer-Reviewed Journal)
- VIII. **Influence of blast induced ground motion on dynamic response of masonry minaret of Yörgüç Paşa Mosque**  
KÖKSAL O., HACIEFENDİOĞLU K., ALPASLAN E., BİRİNCİ F.  
Challenge Journal of Structural Mechanics, vol.3, no.1, pp.31-37, 2017 (Peer-Reviewed Journal)
- IX. **Tarihi Köprülerin Dokümantasyonu için Dijital Fotogrametri ile 3B Modellerinin Oluşturulması ve Dinamik Analizlerinin Yapılması (Tarihi Kurt Köprü Örneği)**  
Maraş E. E., HACIEFENDİOĞLU K., Birinci F., Uslu G.  
HARİTA DERGİSİ, vol.82, no.155, pp.1-11, 2016 (Peer-Reviewed Journal)
- X. **Seismic analysis of offshore wind turbine including fluid structure soil interaction**  
HACIEFENDİOĞLU K., BİRİNCİ F.  
CHALLENGE JOURNAL OF STRUCTURAL MECHANICS, vol.1, no.4, pp.198-201, 2015 (Peer-Reviewed Journal)
- XI. **Shear strain related non linear stochastic dynamic analysis of rock fill dams**  
HACIEFENDİOĞLU K., AKKÖSE M., BAYRAKTAR A., DUMANOĞLU A. A.  
CHALLENGE JOURNAL OF STRUCTURAL MECHANICS, vol.1, no.2, pp.59-64, 2015 (Peer-Reviewed Journal)
- XII. **Nonlinear dynamic analysis of earthfill dams by Drucker Prager Method**  
DUMANOĞLU A. A., HACIEFENDİOĞLU K.  
Technical Journal, Turkish Chamber of Civil Engineers, vol.14, pp.851-864, 2003 (Scopus)
- XIII. **Toprak dolgu barajların Drucker Prager Yöntemi ile lineer olmayan dinamik analizi**  
DUMANOĞLU A. A., HACIEFENDİOĞLU K.  
Teknik Dergi, TMMOB İnşaat Mühendisleri Odası, vol.14, no.1, pp.2803-2818, 2003 (Scopus)

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

- I. **Detection of Helmet Usage of Construction Workers with Image Segmentation**  
SEMERCİOĞLU İ. N., BAŞAĞA H. B., HACIEFENDİOĞLU K.  
7th International Project and Construction Management Conference, İstanbul, Turkey, 20 October 2022, pp.1431-1440
- II. **Sample Applications using Deep Learning Algorithms in Civil Engineering**  
Haciefendioğlu K.  
Uluslararası İzmir Demokrasi Üniversitesi Mühendislik Sempozyumu (IES'20) , İzmir, Turkey, 5 - 13 December 2020, pp.1-8

- III. **Değişerek Yayılan Yer Hareketi Etkisi Altındaki Karayolu Köprülerinin Dinamik Davranışı**  
HACİFENDİOĞLU K., ALTUNIŞIK A. C., Soyuluk K.  
4. Köprüler ve Viyadükler Sempozyumu, Ankara, Turkey, 1 - 02 November 2019, pp.33
- IV. **Stochastic Dynamic Response of Short-Span Highway Bridges to Spatially Varying Blast Ground Motion**  
HACİFENDİOĞLU K.  
International Civil Engineering and Architecture Conference (ICEARC'19), Trabzon, Turkey, 17 - 20 April 2019, pp.1479-1490
- V. **Shock- Spectrum Analysis of Historical Masonry Minarets**  
HACİFENDİOĞLU K., Alpaslan E., Birinci F., Demir G.  
International Civil Engineering and Architecture Conference (ICEARC'19), Trabzon, Turkey, 17 - 20 April 2019, pp.1491-1501
- VI. **Evaluation of Liquefaction Potential of a Coastal Region in Atakum**  
Ertek M., Demir G., HACİFENDİOĞLU K., İkizler B.  
Proceedings of the World Congress on Civil, Structural, and Environmental Engineering (CSEE'16, icseem16.104), Prague, Czech Republic, 30 - 31 March 2016, pp.1-8
- VII. **Determination of modal parameters of historical masonry minarets by using operational modal analysis**  
Haciefendioglu K., Demir G., Alpaslan E.  
Proceedings of the World Congress on Civil, Structural, and Environmental Engineering, CSEE 2016, Prague, Czech Republic, 30 - 31 March 2016
- VIII. **Evaluation of liquefaction potential of a coastal region in atakum**  
Ertek M. K., Demir G., Haciefendioglu K., İKİZLER S. B.  
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The Second International Conference on Structural Engineering, Mechanics and Computation, 5 - 07 July 2004, pp.747-751

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DUMANOĞLU A. A., HACIEFENDİOĞLU K.

Fifth International Congress on Advances in Civil Engineers, 25 - 27 September 2002, vol.4, pp.299-308

### **Supported Projects**

HACIEFENDİOĞLU K., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, Malzeme ve Yapı Merkez Laboratuvarı, 2010 - 2013

### **Scientific Refereeing**

TUBITAK Project, 3501 - National Young Researcher Career Development Program, Yildiz Technical University, Turkey, October 2020

GÜMÜŞHANE ÜNİVERSİTESİ FEN BİLİMLERİ ENSTİTÜSÜ DERGİSİ, National Scientific Refreed Journal, March 2020

Journal of Structural Engineering and Applied Mechanics, National Scientific Refreed Journal, March 2019

Structure and Infrastructure Engineering, SCI Journal, February 2018

Pamukkale University Journal of Engineering Sciences, SCI Journal, June 2016

Journal of Earthquake Engineering, SCI Journal, June 2016

Steel and Composite Structures, SCI Journal, May 2014

Computers and Concrete, SCI Journal, April 2013  
Structural Engineering and Mechanics, SCI Journal, July 2012  
Natural Hazards and Earth System Sciences, SCI Journal, June 2012  
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Structural Engineering and Mechanics, SCI Journal, May 2011  
Wind and Structures, SCI Journal, February 2011  
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## **Metrics**

Publication: 106  
Citation (WoS): 423  
Citation (Scopus): 526  
H-Index (WoS): 11  
H-Index (Scopus): 13

## **Congress and Symposium Activities**

International of 1nd World Congress on Civil, structural, and environmental engineering, Session Moderator, Praha, Czech Republic, 2016  
3. Türkiye Deprem Mühendisliği ve Sismoloji Konferansı, Session Moderator, İzmir, Turkey, 2015

## **Non Academic Experience**

THE PENN STATE UNIVERSITY  
Ondokuz Mayıs Üniversitesi