

# SÜLEYMAN ADANUR

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## Education

Post Doctorate 2006 - 2007	University of California, Irvine, Henry Samueli School Of Engineering, Department Of Civil And Environmental Engineering, United States Of America
Doctorate 1997 - 2003	Karadeniz Technical University, -, İnşaat Mühendisliği, Turkey
Postgraduate 1990 - 1997	Karadeniz Technical University, -, İnşaat Mühendisliği, Turkey
Undergraduate 1990 - 1994	Karadeniz Technical University, Mühendislik-Mimarlık Fakültesi, İnşaat Mühendisliği Bölümü, Turkey

## Foreign Languages

English, B2 Upper Intermediate

## Certificates, Courses and Trainings

Education Management and Planning, Fen Bilimleri Alanında TÜBİTAK İçin Araştırma Proje Önerisi Hazırlama ve Yürütme Uygulamalı Eğitimi, TÜBİTAK, 2013

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, Mesnetlerinden Farklı Dinamik Etkilere Maruz Asma Köprülerin Geometrik Olarak Lineer Olmayan Deterministik ve Stokastik Analizi, Karadeniz Technical University, -, İnşaat Mühendisliği, 2003

Postgraduate, Asma Köprülerin Geometrik Olarak Lineer Olmayan ve Elastik Zemin Analjisi ile Dinamik Analizi, Karadeniz Technical University, -, İnşaat Mühendisliği, 1997

## Academic Titles / Tasks

Professor 2017 - Continues	Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği
Associate Professor 2012 - 2017	Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği
Assistant Professor 2007 - 2012	Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği
Research Assistant PhD 2003 - 2007	Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği
Research Assistant 1995 - 2003	Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği

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

- Structural response of half-scale pumice concrete masonry building: shake table/ambient vibration tests and FE analysis**  
Kaya A., Roudane B., Adanur S., SUNCA F., GENÇ A. F., GÜNAYDIN M., ALTUNIŞIK A. C.  
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- Numerical and Experimental Investigation on Cyclic Behavior of Masonry Infill Walls Retrofitted with CFRP**  
Roudane B., ADANUR S., ALTUNIŞIK A. C.  
International Journal of Civil Engineering, vol.22, no.7, pp.1117-1136, 2024 (SCI-Expanded)
- 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., Altunışık A. C., Günaydın M., Arslan M. E., Kahya V., et al.  
INTERNATIONAL JOURNAL OF ARCHITECTURAL HERITAGE, 2024 (SCI-Expanded)
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HACIEFENDİOĞLU K., ÖZGAN K., ADANUR S., ALTUNIŞIK A. C., Demirer B., GÜNAYDIN M.  
Journal of Earthquake and Tsunami, vol.18, no.2, 2024 (SCI-Expanded)
- Automatic Landslide Segmentation Using a Combination of Grad-CAM Visualization and K-Means Clustering Techniques**  
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Iranian Journal of Science and Technology - Transactions of Civil Engineering, vol.48, no.2, pp.943-959, 2024 (SCI-Expanded)
- 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., Altunışık A. C., Yılmaz S., Günaydın M., Dok G., Kirtel O., Demir A., et al.  
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- Experimental Study of the Effect of Different Insulation Schemes on Fire Performance of FRP**

### **Strengthened Concrete: FIRECOAT and REALROCK**

ALTUNIŞIK A. C., AKBULUT Y. E., ADANUR S., GÜNAYDIN M., Mostofi S., Mosallam A.

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8. **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.  
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9. **Evaluating the high-temperature endurance of FRP-strengthened concrete using an innovative insulation system: Experimental investigation**  
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10. **Progressive collapse assessment of Osmangazi Suspension Bridge due to sudden hanger breakage under different loading conditions**  
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11. **Investigation of the structural behaviors of Bosphorus suspension bridge with vertical hangers replaced by inclined hangers**  
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13. **Structural condition assessment of a historical masonry school building using experimental and numerical methods**  
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14. **Dynamic Characteristics Monitoring Changes of Damaged and Retrofitted RC Buildings**  
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15. **Thermal cycling and ultraviolet radiation effects on fatigue performance of triaxial CFRP laminates for bridge applications**  
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16. **Performance Evaluation of Reinforced Concrete Buildings During the Sivrice-Elazığ Earthquake (M<sub>w</sub>=6.8, January 24, 2020) in Accordance with Turkish Earthquake Code**  
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GEOMECHANICS AND ENGINEERING, vol.26, no.1, pp.63-75, 2021 (SCI-Expanded)
18. **Seismic damage assessment of masonry buildings in Elazığ and Malatya following the 2020 Elazığ-Sivrice earthquake, Turkey**  
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GÜNAYDIN M., ADANUR S., ALTUNIŞIK A. C.  
EARTHQUAKES AND STRUCTURES, vol.15, no.3, pp.335-350, 2018 (SCI-Expanded)
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28. **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.  
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29. **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.  
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**Including Site Response Effect**

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35. **Wave-passage effect on the seismic response of suspension bridges considering local soil conditions**  
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INTERNATIONAL JOURNAL OF STEEL STRUCTURES, vol.17, no.2, pp.501-513, 2017 (SCI-Expanded)
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ADVANCED STEEL CONSTRUCTION, vol.13, no.4, pp.378-397, 2017 (SCI-Expanded)
37. **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)
38. **Stochastic response of suspension bridges for various spatial variability models**  
ADANUR S., ALTUNIŞIK A. C., Soy luk K., DUMAN OĞLU A. A.  
STEEL AND COMPOSITE STRUCTURES, vol.22, no.5, pp.1001-1018, 2016 (SCI-Expanded)
39. **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 (SCI-Expanded)
40. **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)
41. **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, no.5, pp.267-292, 2016 (SCI-Expanded)
42. **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 (SCI-Expanded)
43. **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., DUMAN OĞLU A. A.  
ADVANCED STEEL CONSTRUCTION, vol.--, 2016 (SCI-Expanded)
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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)
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ALTUNIŞIK A. C., Gunaydin M., SEVİM B., BAYRAKTAR A., ADANUR S.  
JOURNAL OF STRUCTURAL ENGINEERING-ASCE, vol.142, no.10, pp.1-20, 2016 (SCI-Expanded)
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ADANUR S., ALTUNIŞIK A. C., SOYLUK K., BAYRAKTAR A., DUMAN OĞLU A. A.  
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## Academic and Administrative Experience

2013 - 2016	<b>Board Member</b>	Karadeniz Technical University, Mühendislik Fakültesi
2011 - 2012	<b>Academic Board Member</b>	Karadeniz Technical University, Mühendislik Fakültesi
2010 - 2012	<b>Deputy Head of Department</b>	Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği

## Peer Reviews in Scientific Publications

International Journal of Steel Structures, SCI Journal, October 2017  
Journal of Traffic and Transportation Engineering, Other Indexed Journal, October 2017  
International Journal of Civil Engineering, SCI Journal, September 2017  
Advances in Concrete Construction, Other Indexed Journal, August 2017  
Steel and Composite Structures, SCI Journal, July 2017  
Sigma Journal of Engineering and Natural Sciences, Other Indexed Journal, June 2017  
International Journal of Non-Linear Mechanics, SCI Journal, March 2017  
The KSCE Journal of Civil Engineering, SCI Journal, March 2017  
Iranian Journal of Science and Technology, Transactions of Civil Engineering, SCI Journal, February 2017

## Metrics

Publication: 175  
Citation (WoS): 579  
Citation (Scopus): 675  
H-Index (WoS): 16  
H-Index (Scopus): 18

## Congress and Symposium Activities

ULUSLARARASI KATILIMLI 6. TARİHİ YAPILARIN KORUNMASI VE GÜÇLENDİRİLMESİ SEMPOZYUMU, Attendee, Trabzon, Turkey, 2017

## Research Areas

Civil Engineering, Structure, Structural Engineering, Performance of Constructed Facilities, Earthquake Engineering, Repair and Strengthening in Buildings, Masonry Structures, Engineering and Technology

## Non Academic Experience

University of California, Irvine, CA, USA, Visiting Scholar