

## Prof. RAMAZAN LİVAOĞLU

### Personal Information

**Office Phone:** [+90 022 429 4090](tel:+900224294090) Extension: 3

**Email:** [rliva@uludag.edu.tr](mailto:rliva@uludag.edu.tr)

**Web:** <https://www.ramazanlivaoglu.com>

**Address:** Bursa Uludağ Üniversitesi Mühendislik Fakültesi İnşaat Mühendisliği Bölümü  
Görükle/Bursa



### International Researcher IDs

ScholarID: n1TWHdAAAAJ

ORCID: 0000-0001-8484-6027

Publons / Web Of Science ResearcherID: M-6474-2014

ScopusID: 8853167300

Yoksis Researcher ID: 133899

### Education Information

Doctorate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği (Dr),  
Turkey 2001 - 2005

Postgraduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği  
(YI) (Tezli), Turkey 1998 - 2001

Undergraduate, Ondokuz Mayıs University, Faculty Of Engineering, Department Of Civil  
Engineering, Turkey 1994 - 1998

### Biography

I graduated with honors from Ondokuz Mayıs University in 1998 with a BS in Civil Engineering. I subsequently joined the Civil Engineering Department at the Karadeniz Technical University (KTÜ) as an M.S student in the Reinforced Concrete Division. While continuing my MS education in Structural Engineering in 2001, I joined K.T.Ü Gumushane Engineering Faculty Civil Engineering Department as Lecturer. After finished M.S, I attended the same University to pursue a Ph.D. in Civil/Structural Engineering. There I conducted research on a variety of topics. I finished my Ph.D. in April 2005. I pursued computational simulation research on fluid container tanks and building structures, focusing in particular on seismic behavior considering fluid-structure and soil-structure interaction. I also explored a number of other research areas, including the seismic performance of reinforced concrete, masonry and wooden structures, minarets, response spectra, etc.. I am deemed worthy of the award “Prof.Dr.Dr.Hc Önder ÖZTUNALI” by the scientific committee of Kültür University in 2008. I also conducted researches about the deep foundation as an Adjunct Research Professor at The University of Western Ontario London, CANADA. In fall 2010, I joined the Engineering Faculty at Bursa Uludag University, where I have since been.

### Dissertations

Doctorate, Ayaklı depoların sıvı-yapı-zemin etkileşimleri dikkate alınarak deprem davranışlarının incelenmesi, Karadeniz Technical University, Fen Bilimleri Enstitüsü, 2005

Postgraduate, Yapıların deprem hesabında burulma düzensizliğinin ve hesap yöntemlerinin etkinliğinin incelenmesi,

Karadeniz Technical University, Fen Bilimleri Enstitüsü, 2001

## Research Areas

Structural Engineering, Performance of Constructed Facilities, Earthquake Engineering, Concrete Structures, Repair and Strengthening in Buildings, Masonry Structures

## Academic Titles / Tasks

Professor, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, İNŞAAT MÜHENDİSLİĞİ, 2015 - Continues

Associate Professor, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, İNŞAAT MÜHENDİSLİĞİ, 2010 - 2015

Assistant Professor, Gumushane University, Faculty Of Engineering And Natural Sciences, Department Of Civil Engineering, 2008 - 2010

Assistant Professor, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2005 - 2008

Lecturer, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2001 - 2005

## Academic and Administrative Experience

Head of Department, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, İNŞAAT MÜHENDİSLİĞİ, 2016 - 2019

Vice Dean, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, 2015 - 2019

Head of Department, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, İNŞAAT MÜHENDİSLİĞİ, 2010 - 2011

## Supervised Theses

Livaoğlu R., Sıvı-Yapı-Temel/Zemin Etkileşimi Etkisinde 100 m3 Ayaklı Su Deposu Stoğunun Kırılmalı Eğrilerinin Elde Edilmesi, Postgraduate, A.HAYDAR(Student), 2024

Livaoğlu R., Yüksek yapılar için modal analiz tabanlı hasar tespiti ve yapı sağlığı izleme yaklaşımı, Doctorate, T.QUY(Student), 2022

Livaoğlu R., Evaluation of P-Delta effect on the performance of high rise structure, Postgraduate, E.ŞANCI(Student), 2021

Livaoğlu R., Seismic analysis of base isolated irregular structures, Postgraduate, A.TOLGA(Student), 2020

Livaoğlu R., Structural investigation of urban renewal studies in bursa and areal renewal suggestions, Postgraduate, A.BEYAZ(Student), 2019

DÖVEN M. S., LİVAOĞLU R., Yapı-zemin etkileşimli kule türü yapılarda P-Delta etkisi, Postgraduate, E.ARSLAN(Student), 2016

Livaoğlu R., Numerical and empirical investigation of dynamic performance of historical masonry minarets in Bursa, Postgraduate, C.SERHATOĞLU(Student), 2015

Livaoğlu R., Betonarme silindirik siloların stok malzemesi-yapı-zemin etkileşimleri dikkate alınarak deprem davranışlarının incelenmesi, Doctorate, A.DURMUŞ(Student), 2013

Livaoğlu R., Investigation of dynamic behaviour of historical masonry minarets with modal analysis method in Bursa, Postgraduate, M.HÜDAİ(Student), 2013

Livaoğlu R., Design of heavy weight concrete for balance weight and shielding of radioactive environments, Postgraduate, S.ÖZEN(Student), 2013

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

1. Optimized supervised machine learning for accurate prediction of periods in Türkiye's heritage minarets

Tran C., Nguyen N. T. V., Le D. T., Nguyen Q. T., LİVAOĞLU R.

BULLETIN OF EARTHQUAKE ENGINEERING, 2025 (SCI-Expanded)

- II. **Damage observations of RC buildings from 2023 Kahramanmaraş earthquake sequence and discussion on the seismic code regulations**  
Vuran E., Serhatoğlu C., Timurağaoğlu M. Ö., Smyrou E., Bal İ. E., Livaoğlu R.  
BULLETIN OF EARTHQUAKE ENGINEERING, no.3, pp.1153-1182, 2025 (SCI-Expanded)
- III. **Fundamental Frequency Prediction of Historic Masonry Towers Based on Artificial Neural Networks**  
Nguyen Q. T., Nguyen K. C., LİVAOĞLU R.  
INTERNATIONAL JOURNAL OF ARCHITECTURAL HERITAGE, 2024 (SCI-Expanded)
- IV. **Artificial Neural Network-based robust technique for period prediction of Ottoman minarets in Türkiye**  
Nguyen Q. T., Vu V. T., LİVAOĞLU R.  
Structures, vol.61, 2024 (SCI-Expanded)
- V. **ANN-based averaging scheme for damage detection of high-rise buildings under noisy conditions**  
Nguyen Q. T., LİVAOĞLU R.  
Structures, vol.58, 2023 (SCI-Expanded)
- VI. **SSI effects on seismic response of RC flat-bottom circular silos**  
Demir A. D., LİVAOĞLU R.  
Structures, vol.57, 2023 (SCI-Expanded)
- VII. **Structural damage identification of high-rise buildings: An artificial neural network based hybrid procedure**  
Nguyen Q. T., LİVAOĞLU R.  
Engineering Failure Analysis, vol.150, 2023 (SCI-Expanded)
- VIII. **Fundamental mode shape-based normalization scheme for damage detection of minarets: A non-model-based approach**  
Nguyen Q. T., LİVAOĞLU R.  
Engineering Failure Analysis, vol.147, 2023 (SCI-Expanded)
- IX. **Modal strain energy based enhanced approaches for damage detection and severity estimation**  
Thue Nguyen Q., LİVAOĞLU R.  
Engineering Failure Analysis, vol.146, 2023 (SCI-Expanded)
- X. **Simplified seismic response model for a bulk solid- silo-embedded foundation/soil system**  
Demir A. D., LİVAOĞLU R.  
Soil Dynamics and Earthquake Engineering, vol.165, 2023 (SCI-Expanded)
- XI. **Damage detection at storey and element levels of high-rise buildings: a hybrid method**  
Quy Thue Nguyen Q. T. N., LİVAOĞLU R.  
NEURAL COMPUTING & APPLICATIONS, vol.34, no.15, pp.12765-12788, 2022 (SCI-Expanded)
- XII. **A health monitoring solution on damage detection of minarets**  
Nguyen Q. T., LİVAOĞLU R.  
ENGINEERING FAILURE ANALYSIS, vol.135, 2022 (SCI-Expanded)
- XIII. **Modal strain energy-based updating procedure for damage detection: a numerical investigation**  
Quy Thue Nguyen Q. T. N., LİVAOĞLU R.  
JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY, vol.36, no.4, pp.1709-1718, 2022 (SCI-Expanded)
- XIV. **Damage detection of high-rise buildings using an eigenvalue problem-based inverse solution**  
Nguyen Q. T., LİVAOĞLU R.  
SOIL DYNAMICS AND EARTHQUAKE ENGINEERING, vol.152, 2022 (SCI-Expanded)
- XV. **Combination of an inverse solution and an ANN for damage identification on high-rise buildings**  
Nguyen Q. T., LİVAOĞLU R.  
SMART STRUCTURES AND SYSTEMS, vol.28, no.3, pp.375-390, 2021 (SCI-Expanded)
- XVI. **The effect of the ratio of  $\gamma$ -shaped shear connectors on the flexural behavior of a reinforced concrete frame**  
Quy Thue Nguyen Q. T. N., LİVAOĞLU R.

ADVANCES IN STRUCTURAL ENGINEERING, vol.23, no.12, pp.2724-2740, 2020 (SCI-Expanded)

- XVII. **Comparison and assessment of material models for simulation of infilled RC frames under lateral loads**  
Timuragaoglu M. Ö., DOĞANGÜN A., LİVAOĞLU R.  
GRADEVINAR, vol.71, no.1, pp.45-56, 2019 (SCI-Expanded)
- XVIII. **Damage during the 6-24 February 2017 Ayvacik (Canakkale) earthquake swarm**  
Livaoglu R., Timuragaoglu M. Ö., Serhatoğlu C., Döven M. S.  
NATURAL HAZARDS AND EARTH SYSTEM SCIENCES, vol.18, no.3, pp.921-934, 2018 (SCI-Expanded)
- XIX. **Effect of geometric properties on dynamic behavior of historic masonry minaret**  
Livaoglu R., Basturk M. H., Doğangün A., Serhatoğlu C.  
KSCE JOURNAL OF CIVIL ENGINEERING, vol.20, pp.2392-2402, 2016 (SCI-Expanded)
- XX. **A simplified approximation for seismic analysis of silo-bulk material system**  
Livaoglu R., Durmus A.  
Bulletin of Earthquake Engineering, vol.14, no.3, pp.863-887, 2016 (SCI-Expanded)
- XXI. **A simplified 3 DOF model of A FEM model for seismic analysis of a silo containing elastic material accounting for soil-structure interaction**  
DURMUŞ DEMİR A., LİVAOĞLU R.  
SOIL DYNAMICS AND EARTHQUAKE ENGINEERING, vol.77, pp.1-14, 2015 (SCI-Expanded)
- XXII. **Dynamic response of traditional and buttressed reinforced concrete minarets**  
Turkeli E., LİVAOĞLU R., DOĞANGÜN A.  
ENGINEERING FAILURE ANALYSIS, vol.49, pp.31-48, 2015 (SCI-Expanded)
- XXIII. **Investigation of wall flexibility effects on seismic behavior of cylindrical silos**  
LİVAOĞLU R., DURMUŞ DEMİR A.  
STRUCTURAL ENGINEERING AND MECHANICS, vol.53, no.1, pp.159-172, 2015 (SCI-Expanded)
- XXIV. **The numerical and empirical evaluation of chimneys considering soil structure interaction and high-temperature effects**  
Livaoglu R.  
Soil Dynamics and Earthquake Engineering, vol.66, pp.178-190, 2014 (SCI-Expanded)
- XXV. **Soil interaction effects on sloshing response of the elevated tanks**  
Livaoglu R.  
GEOMECHANICS AND ENGINEERING, vol.5, no.4, pp.283-297, 2013 (SCI-Expanded)
- XXVI. **Experimental analysis on FEM definition of backfill-rectangular tank-fluid system**  
ÇAKIR T., LİVAOĞLU R.  
GEOMECHANICS AND ENGINEERING, vol.5, no.2, pp.165-185, 2013 (SCI-Expanded)
- XXVII. **THE NUMERICAL AND EMPIRICAL EVALUATION OF STRUCTURAL PERFORMANCE OF ELEVATED TANKS CONSIDERING SOIL-STRUCTURE INTERACTION EFFECTS**  
LİVAOĞLU R., Turan A., El Naggat M. H., DOĞANGÜN A.  
JOURNAL OF EARTHQUAKE AND TSUNAMI, vol.6, no.2, 2012 (SCI-Expanded)
- XXVIII. **Fast practical analytical model for analysis of backfill-rectangular tank-fluid interaction systems**  
ÇAKIR T., LİVAOĞLU R.  
SOIL DYNAMICS AND EARTHQUAKE ENGINEERING, vol.37, pp.24-37, 2012 (SCI-Expanded)
- XXIX. **Effects of backfill on seismic behavior of rectangular tanks**  
LİVAOĞLU R., ÇAKIR T., DOĞANGÜN A., Aytakin M.  
OCEAN ENGINEERING, vol.38, no.10, pp.1161-1173, 2011 (SCI-Expanded)
- XXX. **Dynamic analysis and seismic performance of reinforced concrete minarets**  
Sezen H., Acar R., DOĞANGÜN A., Livaoglu R.  
Engineering Structures, vol.30, no.8, pp.2253-2264, 2008 (SCI-Expanded)
- XXXI. **Investigation of dynamic response of masonry minaret structures**  
DOĞANGÜN A., Acar R., Sezen H., Livaoglu R.  
Bulletin of Earthquake Engineering, vol.6, no.3, pp.505-517, 2008 (SCI-Expanded)
- XXXII. **Dynamic analysis and seismic performance evaluation of above-ground liquid-containing tanks**

- Sezen H., Livaoglu R., DOĞANGÜN A.  
Engineering Structures, vol.30, no.3, pp.794-803, 2008 (SCI-Expanded)
- XXXIII. **Investigation of seismic behavior of fluid-rectangular tank-soil/foundation systems in frequency domain**  
Livaoglu R.  
SOIL DYNAMICS AND EARTHQUAKE ENGINEERING, vol.28, no.2, pp.132-146, 2008 (SCI-Expanded)
- XXXIV. **Effect of foundation embedment on seismic behavior of elevated tanks considering fluid-structure-soil interaction**  
Livaoglu R., DOĞANGÜN A.  
Soil Dynamics and Earthquake Engineering, vol.27, no.9, pp.855-863, 2007 (SCI-Expanded)
- XXXV. **Traditional Turkish masonry monumental structures and their Earthquake response**  
DOĞANGÜN A., Sezen H., TULUK Ö. İ., Livaoglu R., Acar R.  
International Journal of Architectural Heritage, vol.1, no.3, pp.251-271, 2007 (SCI-Expanded)
- XXXVI. **Seismic behaviour of cylindrical elevated tanks with a frame supporting system on various subsoil**  
Livaoglu R., DOĞANGÜN A.  
Indian Journal of Engineering and Materials Sciences, vol.14, no.2, pp.133-145, 2007 (SCI-Expanded)
- XXXVII. **Traditional wooden buildings and their damages during earthquakes in Turkey**  
Doganguen A., Tuluk O. I., Livaoglu R., Acar R.  
Engineering Failure Analysis, vol.13, no.6, pp.981-996, 2006 (SCI-Expanded)
- XXXVIII. **Simplified seismic analysis procedures for elevated tanks considering fluid-structure-soil interaction**  
Livaoglu R., DOĞANGÜN A.  
Journal of Fluids and Structures, vol.22, no.3, pp.421-439, 2006 (SCI-Expanded)
- XXXIX. **A comparative study of the design spectra defined by Eurocode 8, UBC, IBC and Turkish Earthquake Code on R/C sample buildings**  
Doganguen A., Livaoglu R.  
Journal of Seismology, vol.10, no.3, pp.335-351, 2006 (SCI-Expanded)
- XL. **Seismic evaluation of fluid-elevated tank-foundation/soil systems in frequency domain**  
Livaoglu R., DOĞANGÜN A.  
Structural Engineering and Mechanics, vol.21, no.1, pp.101-119, 2005 (SCI-Expanded)
- XLI. **Hydrodynamic pressures acting on the walls of rectangular fluid containers**  
DOĞANGÜN A., Livaoglu R.  
Structural Engineering and Mechanics, vol.17, no.2, pp.203-214, 2004 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Degradation of the first frequency of an RC frame with damage levels**  
Nguyen Q. T., LİVAOĞLU R.  
Frattura ed Integrità Strutturale, vol.17, no.64, pp.1-10, 2023 (ESCI)
- II. **BURSA İLİ KENTSEL DÖNÜŞÜM ÇALIŞMALARINDA ELDE EDİLEN BETON BASINÇ DAYANIMININ DEĞERLENDİRİLMESİ**  
BEYAZ A., LİVAOĞLU R.  
Uludağ Üniversitesi Mühendislik Fakültesi Dergisi, vol.24, no.1, pp.63-74, 2019 (Peer-Reviewed Journal)
- III. **DYNAMIC BEHAVIOR CHANGE OF KÜTAHYA YEŞİL MINARET WITH COVERED AND OPEN BALCONY ARCHITECTURE**  
Döven M. S., Serhatoğlu C., Kaplan O., Livaoğlu R.  
Eskişehir Technical University Journal of Science and Technology B- Theoretical Sciences, vol.6, pp.192-203, 2018 (Peer-Reviewed Journal)
- IV. **NATURAL CHARACTERISTICS AND NONLINEAR BEHAVIOR OF A NEW RC FORMWORK SYSTEM**  
Serhatoğlu C., Nguyen Q. T., Livaoğlu R.  
Eskişehir Technical University Journal of Science and Technology B- Theoretical Sciences, vol.6, pp.97-108, 2018

(Peer-Reviewed Journal)

- V. **Evaluation of Liquefaction in Ercis Plain during Van Earthquake**  
alper t, Hanny E. N., LİVAOĞLU R.  
International Journal of Geohazards and Environment, vol.1, no.2, pp.63-75, 2015 (Peer-Reviewed Journal)
- VI. **Mimari ve taşıyıcı sistem özellikleri bağlamında Türk minare geleneği**  
TULUK Ö. İ., DOĞANGÜN A., LİVAOĞLU R., ACAR R.  
Yapı Dünyası, no.122, pp.41-49, 2006 (Peer-Reviewed Journal)
- VII. **Geçmişten günümüze ahşap yapılarda taşıyıcı sistemler**  
DOĞANGÜN A., TULUK Ö. İ., ACAR R., LİVAOĞLU R.  
Ahşap-Yapı Malzemeleri Dergisi, no.22, 2004 (Peer-Reviewed Journal)
- VIII. **Üstün ve zayıf yönleriyle ahşap yapılar**  
DOĞANGÜN A., LİVAOĞLU R., TULUK Ö. İ., ACAR R.  
Yapı Dünyası, no.105, pp.41-48, 2004 (Peer-Reviewed Journal)
- IX. **Farklı taşıyıcı sisteme sahip ayaklı depoların zemin sınıflarına göre dinamik davranışlarının irdelenmesi**  
DOĞANGÜN A., LİVAOĞLU R.  
Sakarya Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.7, no.3, pp.70-77, 2003 (Peer-Reviewed Journal)
- X. **Yapıların deprem hesabında eşdeğer deprem yükü yönteminin kullanılması**  
LİVAOĞLU R., DOĞANGÜN A.  
TMMOB İnşaat Mühendisleri Odası Trabzon Şubesi Mühendislik Bülteni, no.58, pp.14-24, 2001 (Peer-Reviewed Journal)

## Papers Published in Refereed Scientific Meetings

- I. **Fundamental Frequency Estimation of Masonry Towers Based on Artificial Neural Networks**  
Nguyen Q. T., Nguyen K. C., LİVAOĞLU R.  
18th International Brick and Block Masonry Conference, IB2MaC 2024, Birmingham, England, 21 - 24 July 2024, vol.613 LNCE, pp.1048-1062
- II. **Supervised Machine Learning Based Fundamental Period Prediction of Historical Ottoman Minarets**  
Tran C., Tran D. N., Pham T. M., Tran T. M., Le D. T., Quang Truong Y., Nguyen T. Q., Nguyen Q. T., LİVAOĞLU R.  
18th International Brick and Block Masonry Conference, IB2MaC 2024, Birmingham, England, 21 - 24 July 2024, vol.613 LNCE, pp.438-447
- III. **Artificial Neural Network-Based Quick and Robust Technique for Ottoman Minarets' Fundamental Frequency Prediction**  
Nguyen Q. T., LİVAOĞLU R., Vu V. T.  
3rd International Conference on Structural Health Monitoring and Engineering Structures, SHM and ES 2023, Da Nang city, Vietnam, 20 - 21 July 2023, vol.460 LNCE, pp.175-184
- IV. **Model Calibration of Slender Minarets Based on Artificial Neural Networks**  
Nguyen Q. T., LİVAOĞLU R., Vu V. T.  
Experimental Vibration Analysis for Civil Engineering Structures - EVACES 2023 - Volume 2, Milan, Italy, 30 August - 01 September 2023, vol.432 LNCE, pp.676-685
- V. **BURSA TARİHİ MİNARELERİNİN DİNAMİK KARAKTERİSTİKLERİ VE HIZLI DEĞERLENDİRİLME İÇİN DOĞAL TİTREŞİM PERİYODU TAHMİNİ**  
Serhatoğlu C., Livaoglu R.  
Bursa Tarihi Cami Minarelerinin Deprem Davranışı Çalıştayı, İstanbul, Turkey, 27 November 2021, pp.29-34
- VI. **Shear Connectors on Concrete-to-Concrete Interface Surfaces: A numerical Inverstigation on 3D Frames**  
Nguyen Q., LİVAOĞLU R.  
5th International Conference on Earthquake Engineering and Seismology, 8 - 11 October 2019
- VII. **Evaluation of the Effective Beam Model on Representing DynamicBehavior of Tall Structure with Flat**

## **Slab**

ŞANCI E., ÖZKAN H., LİVAOĞLU R.

international civil engineering and architecture conference 2019, 17 - 20 April 2019

- VIII. **Comparison of different strut techniques of infilled RC frames**  
TİMURAĞAOĞLU M. Ö., DOĞANGÜN A., LİVAOĞLU R.  
International Civil Engineering and Architecture Conference 2019 (ICEARC'19), 17 - 20 April 2019
- IX. **An Evaluation Of  $\Pi$  And  $\Lambda$  Shaped Shear Connectors at Concrete-to-Concrete Interface Surfaces**  
Nguyen Q., LİVAOĞLU R.  
International Civil Engineering and Architecture Conference 2019, 17 - 20 April 2019
- X. **SIMPLE DETERMINATION OF THE HISTORICAL MINARETS' PERIOD**  
SERHATOĞLU C., LİVAOĞLU R.  
International Civil Engineering and Architecture Conference 2019 (ICEARC'19), Trabzon, Turkey, 17 - 20 April 2019, pp.2041-2048
- XI. **The Effect of Shear Connector Ratios on the Concrete-to Concrete Interface**  
NGUYEN Q. T., SERHATOĞLU C., LİVAOĞLU R.  
13th International Congress on Advances in Civil Engineering, İzmir, Turkey, 12 - 14 September 2018, pp.1-8
- XII. **Seismic Performance of Hocaalızade Minaret Strengthened by Steel Tube**  
SERHATOĞLU C., LİVAOĞLU R.  
13th International Congress on Advances in Civil Engineering, İzmir, Turkey, 12 - 14 September 2018, pp.1-8
- XIII. **KÜTAHYA YEŞİL MİNARENİN KAPALI VE AÇIK ŞEREFELİ DİNAMİK DAVRANIŞLARININ KARŞILAŞTIRILMASI**  
DÖVEN M. S., SERHATOĞLU C., KAPLAN O., LİVAOĞLU R.  
4. Uluslararası Deprem Mühendisliği ve Sismoloji Konferansı, Eskişehir, Turkey, 11 - 13 October 2017
- XIV. **DYNAMIC BEHAVIOR CHANGE OF KUTAHYA YEŞİL MINARET WITH COVERED AND OPEN BALCONY ARCHITECTURE**  
DÖVEN M. S., SERHATOĞLU C., KAPLAN O., LİVAOĞLU R.  
4rd International Conference on Earthquake Engineering and Seismology (4ICEES), Eskişehir, Turkey, 11 - 13 October 2017
- XV. **EVALUATION OF FLAT SLAB HIGH RISE BUILDINGS PERFORMS SUBJECTED TO MEDIUM SEISMIC HAZARD REGIONS**  
LİVAOĞLU R., HAKAN Ö., ŞANCI E., SERHATOĞLU C.  
4rd International Conference on Earthquake Engineering and Seismology (4ICEES), Eskişehir, Turkey, 11 - 13 October 2017
- XVI. **EVALUATION OF P-DELTA EFFECT ON THE PERFORMANCE OF HIGH RISE STRUCTURE SUBJECTED TO MEDIUM DEGREE SEISMIC HAZARD REGIONS**  
LİVAOĞLU R., ŞANCI E., HAKAN Ö., SERHATOĞLU C.  
4rd International Conference on Earthquake Engineering and Seismology (4ICEES), Eskişehir, Turkey, 11 - 13 October 2017
- XVII. **RAPID VALIDATION OF FUNDAMENTAL PERIOD FOR HISTORIC MINARETS**  
SERHATOĞLU C., LİVAOĞLU R.  
4rd International Conference on Earthquake Engineering and Seismology (4ICEES), Eskişehir, Turkey, 11 - 13 October 2017
- XVIII. **NEW INTEGRATED MOLD SYSTEM DESIGNED FOR REINFORCED CONCRETE STRUCTURES**  
SERHATOĞLU C., NGUYEN Q. T., LİVAOĞLU R.  
4rd International Conference on Earthquake Engineering and Seismology (4ICEES), Eskişehir, Turkey, 11 - 13 October 2017
- XIX. **From a civil engineering point of view February, 6-24 2017 Çanakkale earthquake swarm**  
LİVAOĞLU R., SERHATOĞLU C., TİMURAĞAOĞLU M. Ö.  
International Congress on Applied Science and Technology (ASTECH'xx2017), Malaga, Spain, 17 - 20 April 2017
- XX. **P-DELTA EFFECT ON BASE SHEAR OF SLENDER STRUCTURE-FOUNDATION/SOIL SYSTEM**  
Arslan E., DÖVEN M. S., LİVAOĞLU R.

ASTECH 2017, 19 - 21 July 2017

- XXI. **Effect of Boundary Condition of Boot Wall on Dynamic and Seismic Behavior for Historical Üftade Minaret**  
SERHATOĞLU C., LİVAOĞLU R.  
International Congress on Applied Science and Technology (ASTECH'xx2017), Malaga, Spain, 17 - 20 April 2017
- XXII. **Comparison of Different Analytical Models of Infilled RC Frame**  
TİMURAĞAOĞLU M. Ö., DOĞANGÜN A., LİVAOĞLU R.  
Third International Conference on Engineering and Natural Science, Budapest, Hungary, 3 - 07 May 2017
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LİVAOĞLU R., ÇAKIR T., DOĞANGÜN A., DURMUŞ DEMİR A., ÖZEN S., TİMURAĞAOĞLU M. Ö.  
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Annual Conference of the Canadian Society for Civil Engineering 2013: Know-How - Savoir-Faire, CSCE 2013, Montreal, Canada, 29 May - 01 June 2013, vol.2, pp.1736-1751
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15th World Conference on Earthquake Engineering, LİZBON, Portugal, 24 - 28 September 2012
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7. Ulusal Deprem Mühendisliği Konferansı, İstanbul, Turkey, 31 May 2011, vol.1, pp.1-11
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LİVAOĞLU R., DOĞANGÜN A., ÇAKIR T.  
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ÇAKIR T., LİVAOĞLU R., DOĞANGÜN A.

9th International Congress on Advances in Civil Engineering, Trabzon, Turkey, 27 - 30 September 2010

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LİVAOĞLU R., DOĞANGÜN A.

14th European Conference On Earthquake Engineering, Ohrid, Macedonia, 30 August - 03 September 2010

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DOĞANGÜN A., Sezen H., Livaoglu R.

1st International Conference on Protection of Historical Buildings (PROHITECH 09), Rome, Italy, 21 - 24 June 2009, pp.1465-1466

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DOĞANGÜN A., LİVAOĞLU R.

14th World Conference on Earthquake Engineering, Beijing, China, 12 - 17 October 2008

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ÇAKIR T., LİVAOĞLU R., DOĞANGÜN A.

14th World Conference on Earthquake Engineering, Beijing, China, 12 - 17 October 2008

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DOĞANGÜN A., URAL A., LİVAOĞLU R.

14th World Conference on Earthquake Engineering, Beijing, China, 12 - 17 October 2008

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SEZEN H., DOĞANGÜN A., LİVAOĞLU R.

ACI St Louis Convention-Practical Use of Finite Element Analysis in the Design of Concrete Structures Session, United States Of America, 18 - 20 June 2008

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Livaoglu R., DOĞANGÜN A.

9th International Conference on Flow-Induced Vibration, Prague, Czech Republic, 30 June - 03 July 2008, pp.457-459

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9th International Conference on Flow-Induced Vibration, Prague, Czech Republic, 30 June - 03 July 2008, pp.451-456

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Doğangün A., Livaoglu R., Acar R.

International Earthquake Symposium Kocaeli 2007, Kocaeli, Turkey, 22 - 24 October 2007, pp.393-404

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Fifth International Conference on Seismology and Earthquake Engineering, Isfahan, Iran, 14 - 16 May 2007

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DOĞANGÜN A., ACAR R., LİVAOĞLU R., TULUK Ö. İ.

Proceedings of the First International Conference on Restoration of Heritage Masonry Structures, KAHİRE, Egypt, 13 - 15 September 2006

- LXXVII. **Geleneksel ahşap yapıların deprem performansları**

DOĞANGÜN A., LİVAOĞLU R., TULUK Ö. İ., ACAR R.

Deprem Sempozyumu, Kocaeli, Turkey, 23 March 2005, vol.1, pp.797-799

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LİVAOĞLU R., DOĞANGÜN A.

Deprem Sempozyumu, Kocaeli, Turkey, 23 March 2005, vol.1, pp.1105-1107

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LİVAOĞLU R., DOĞANGÜN A.  
Sixth International Conference on Advances in Civil Engineering, İstanbul, Turkey, 6 - 08 October 2004
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LİVAOĞLU R., DOĞANGÜN A.  
V. Ulusal Deprem Mühendisliği Konferansı, İstanbul, Turkey, 26 May 2003, pp.221-222
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LİVAOĞLU R., DOĞANGÜN A.  
Gümüşhane ve Yöresini Kalkındırma Sempozyumu, Gümüşhane, Turkey, 23 October 2002, vol.1, pp.142-152
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DOĞANGÜN A., LİVAOĞLU R.  
IV. Mühendislik Mimarlık Sempozyumu, Balıkesir, Turkey, 11 October 2002, pp.479-489
- LXXXIII. **Yapıların deprem hesabında kaydırılmış kütlelerin dikkate alınması ve yöntemlerin etkinliğinin araştırılması**  
LİVAOĞLU R., DOĞANGÜN A.  
XVI. Teknik Kongre, Ankara, Turkey, 01 November 2001, pp.54-64

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