

## 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

## Advising Theses

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

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

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

- I. **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)
- II. **Damage observations of RC buildings from 2023 Kahramanmaraş earthquake sequence and discussion on the seismic code regulations**

Vuran E., SERHATOĞLU C., Timurağaoğlu M., Smyrou E., Bal İ. E., LİVAOĞLU R.

Bulletin of Earthquake Engineering, 2024 (SCI-Expanded)

- III. **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)
- IV. **SSI effects on seismic response of RC flat-bottom circular silos**  
Demir A. D., LİVAOĞLU R.  
Structures, vol.57, 2023 (SCI-Expanded)
- V. **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)
- VI. **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)
- VII. **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)
- VIII. **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)
- IX. **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)
- X. **A health monitoring solution on damage detection of minarets**  
Nguyen Q. T., LİVAOĞLU R.  
ENGINEERING FAILURE ANALYSIS, vol.135, 2022 (SCI-Expanded)
- XI. **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)
- XII. **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)
- XIII. **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)
- XIV. **The effect of the ratio of ?-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)
- XV. **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)
- XVI. **Damage during the 6-24 February 2017 Ayvacik (Canakkale) earthquake swarm**  
Livaoğlu 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)
- XVII. **Effect of geometric properties on dynamic behavior of historic masonry minaret**  
Livaoğlu R., Basturk M. H., Doğangün A., Serhatoğlu C.  
KSCE JOURNAL OF CIVIL ENGINEERING, vol.20, pp.2392-2402, 2016 (SCI-Expanded)

- XVIII. **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)
- XIX. **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)
- XX. **Dynamic response of traditional and buttressed reinforced concrete minarets**  
Turekeli E., LİVAOĞLU R., DOĞANGÜN A.  
ENGINEERING FAILURE ANALYSIS, vol.49, pp.31-48, 2015 (SCI-Expanded)
- XXI. **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)
- XXII. **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)
- XXIII. **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)
- XXIV. **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)
- XXV. **THE NUMERICAL AND EMPIRICAL EVALUATION OF STRUCTURAL PERFORMANCE OF ELEVATED TANKS CONSIDERING SOIL-STRUCTURE INTERACTION EFFECTS**  
LİVAOĞLU R., Turan A., El Naggar M. H., DOĞANGÜN A.  
JOURNAL OF EARTHQUAKE AND TSUNAMI, vol.6, no.2, 2012 (SCI-Expanded)
- XXVI. **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)
- XXVII. **Effects of backfill on seismic behavior of rectangular tanks**  
LİVAOĞLU R., ÇAKIR T., DOĞANGÜN A., Aytekin M.  
OCEAN ENGINEERING, vol.38, no.10, pp.1161-1173, 2011 (SCI-Expanded)
- XXVIII. **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)
- XXIX. **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)
- XXX. **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)
- XXXI. **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)
- XXXII. **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)
- XXXIII. **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)
- XXXIV. **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)
- XXXV. **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)
- XXXVI. **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)
- XXXVII. **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)
- XXXVIII. **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)
- XXXIX. **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., Livaoglu 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., Livaoglu 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)

## Refereed Congress / Symposium Publications in Proceedings

- I. **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
- II. **BURSA TARİHİ MİNARELERİNİN DİNAMİK KARAKTERİSTİKLERİ VE HIZLI DEĞERLENDİRİLME İÇİN DOĞAL TİTREŞİM PERİYODU TAHMİNİ**  
Serhatoğlu C., Livaoğlu R.  
Bursa Tarihi Cami Minarelerinin Deprem Davranışı Çalıştayı, İstanbul, Turkey, 27 November 2021, pp.29-34
- III. **Shear Connectors on Concrete-to-Concrete Interface Surfaces: A numerical Investigation on 3D Frames**  
Nguyen Q., LİVAOĞLU R.  
5th International Conference on Earthquake Engineering and Seismology, 8 - 11 October 2019
- IV. **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
- V. **Evaluation of the Effective Beam Model on Representing Dynamic Behavior of Tall Structure with Flat Slab**  
ŞANCI E., ÖZKAN H., LİVAOĞLU R.  
international civil engineering and architecture conference 2019, 17 - 20 April 2019
- VI. **An Evaluation Of II And A Shaped Shear Connectors at Concrete-to-Concrete Interface Surfaces**  
Nguyen Q., LİVAOĞLU R.  
International Civil Engineering and Architecture Conference 2019, 17 - 20 April 2019
- VII. **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
- VIII. **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
- IX. **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
- X. **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
- XI. **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

**XII. 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

**XIII. 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

**XIV. 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

**XV. 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

**XVI. Effect of Boundary Condition of Boot Wall on Dynamic and Seismic Behavior for Historical ÜftadeMinaret**

SERHATOĞLU C., LİVAOĞLU R.

International Congress on Applied Science and Technology (ASTECH'xx2017), Malaga, Spain, 17 - 20 April 2017

**XVII. 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

**XVIII. 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

**XIX. 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

**XX. Dynamic Characteristics and Seismic Safety of the Historical Minarets of Yeşil Mosque**

SERHATOĞLU C., LİVAOĞLU R.

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

**XXI. Dynamic behavior of brick infilled RC frames under cyclic lateral loading**

TİMURAĞAOĞLU M. Ö., DOĞANGÜN A., LİVAOĞLU R.

ACE2016, 21 - 23 September 2016

**XXII. EFFICIENCY OF THE NUMERICAL MODELS ON DETERMINATION OF BEHAVIOUR OF BRICK INFILLED RC FRAMES**

TİMURAĞAOĞLU M. Ö., DOĞANGÜN A., LİVAOĞLU R.

ACE2016, 21 - 23 September 2016

**XXIII. DYNAMIC CHARACTERISTICS AND SEISMIC SAFETY OF HISTORICAL MINARETS OF THE YEŞİL MOSQUE**

SERHATOĞLU C., LİVAOĞLU R.

ACE 2016, 21 September 2016

**XXIV. A simple procedure for Soil Structure Interaction with Modal Analysis**

LİVAOĞLU R.

4th International Conference on New Developments in Soil Mechanics and Geotechnical Engineering, 2 - 04 June 2016

- XXV. **Dynamic Characteristics and Seismic Behavior of Historical Minaret of the Altıparmak Mosque**  
SERHATOĞLU C., LİVAOĞLU R.  
ICENS, 24 - 28 May 2016
- XXVI. **Evaluation of the compressive strut model for analytical modelling of infilled reinforced concrete frames**  
TİMURAĞAOĞLU M. Ö., DOĞANGÜN A., LİVAOĞLU R.  
2nd International Conference on Engineering and Natural Sciences (ICENS 2016), 24 - 28 May 2016
- XXVII. **EVALUATION OF THE COMPRESSIVE STRUT MODEL FOR ANALYTICAL MODELLING OF INFILLED REINFORCED CONCRETE FRAMES**  
TİMURAĞAOĞLU M. Ö., DOĞANGÜN A., LİVAOĞLU R.  
ICENS, 24 - 28 May 2016
- XXVIII. **Finite element analysis of infilled RC frames under lateral loads**  
TİMURAĞAOĞLU M. Ö., DOĞANGÜN A., LİVAOĞLU R.  
2nd International Conference on Engineering and Natural Sciences (ICENS 2016), 24 - 28 May 2016
- XXIX. **FINITE ELEMENT ANALYSIS OF INFILLED RC FRAMES UNDER LATERAL LOADS**  
TİMURAĞAOĞLU M. Ö., DOĞANGÜN A., LİVAOĞLU R.  
ICENS, 24 May 2016
- XXX. **Ottoman Cultural Heritages in Bursa Structural Determination of Historical Minarets**  
LİVAOĞLU R., SERHATOĞLU C.  
ICENS, 24 - 28 May 2016
- XXXI. **Tarihi Molla Arap Cami Minaresinin Dinamik Karakteristikleri ve Deprem Analizi**  
SERHATOĞLU C., LİVAOĞLU R.  
5. Tarihi Eserlerin Güçlendirilmesi ve Geleceğe Güvenle Devredilmesi Sempozyumu, Erzurum, Turkey, 1 - 03 October 2015, pp.239-249
- XXXII. **Comparison Of Dynamic Characters Historical Minarets Of The Muradiye Mosque And Earthquake Safety**  
SERHATOĞLU C., LİVAOĞLU R., BAĞBANCİ M. B.  
5th International Earthquake Symposium, Kocaeli, Turkey, 10 - 12 June 2015
- XXXIII. **TARİHİ MURADİYE CAMİ MİNARELERİNİN DİNAMİK KARAKTERİSTİKLERİ VE DEPREM ANALİZİ**  
SERHATOĞLU C., LİVAOĞLU R., BAĞBANCİ M. B.  
5. International Earthquake Symposium Kocaeli 2015, Kocaeli, Turkey, 10 - 12 June 2015, pp.275-286
- XXXIV. **Tarihi Muradiye Cami Minarelerinin Dinamik Karakteristikleri ve Deprem Analizi**  
SERHATOĞLU C., LİVAOĞLU R., BAĞBANCİ M. B.  
5th International Earthquake Symposium, Kocaeli, Turkey, 10 - 12 June 2015, pp.275-286
- XXXV. **Determination of Horizontal Bulk Material Pressures in Rigid Cylindrical Slender Silos under Seismic Excitation using FEM and EN1998 4**  
DURMUŞ DEMİR A., LİVAOĞLU R.  
The International Conference on Civil and Environmental Engineering (ICOCEE – Cappadocia 2015), 20 - 23 May 2015
- XXXVI. **DYNAMIC IDENTIFICATION OF MOUMENTAL AND HISTORICAL MINARET OF THE ŞEHADET**  
SERHATOĞLU C., LİVAOĞLU R., BAĞBANCİ M. B.  
6th International Operational Modal Analysis Conference, Gijon, Spain, 12 - 14 May 2015, pp.43-51
- XXXVII. **Dynamic Identification Of Monumental And Historical Minaret Of The Şehadet**  
SERHATOĞLU C., LİVAOĞLU R., BAĞBANCİ M. B.  
6th IOMAC International Operational Modal Analysis Conference, 12 - 14 May 2015
- XXXVIII. **Dynamic Identification of Monumental and Historical Minaret of Şehadet**  
SERHATOĞLU C., LİVAOĞLU R., BAĞBANCİ M. B.  
6th International Operational Modal Analysis Conferences, Gijon, Spain, 12 - 14 May 2015



- XXXIX. **Investigation of the infill wall effect on the dynamic behaviour of RC frames**  
TİMURAĞAOĞLU M. Ö., LİVAOĞLU R., DOĞANGÜN A.  
6th IOMAC International Operational Modal Analysis Conference, Gijon, Spain, 12 - 14 May 2015
- XL. **Dynamic Characteristics Of Minarets Of Hoca Tabip Mosque**  
LİVAOĞLU R., Baştürk M. H., SERHATOĞLU C., DOĞANGÜN A.  
6th International Operational Modal Analysis Conference, 12 - 14 May 2015
- XLI. **DYNAMIC IDENTIFICATION OF MONUMENTAL AND HISTORICAL MINARET OF THE SEHADET**  
SERHATOĞLU C., LİVAOĞLU R., Bagbanci B.  
6th International Operational Modal Analysis Conference (IOMAC), Gijon, Spain, 12 - 14 May 2015, pp.3-11
- XLII. **INVESTIGATION OF THE INFILL WALL EFFECT ON THE DYNAMIC BEHAVIOUR OF RC FRAMES**  
Timuragaoglu M. O., LİVAOĞLU R., DOĞANGÜN A.  
6th International Operational Modal Analysis Conference (IOMAC), Gijon, Spain, 12 - 14 May 2015, pp.505-511
- XLIII. **EFFECT OF INFILL WALLS AND PLASTER FOR A FOUR STOREY R/C BUILDING**  
KAPLAN O., GÜNEY Y., DOĞANGÜN A., LİVAOĞLU R.  
6th International Operational Modal Analysis Conference (IOMAC), Gijon, Spain, 12 - 14 May 2015, pp.23-30
- XLIV. **DYNAMIC CHARACTERISTICS OF MINARETS OF HOCA TABIP MOSQUE**  
LİVAOĞLU R., Basturk M. H., SERHATOĞLU C., DOĞANGÜN A.  
6th International Operational Modal Analysis Conference (IOMAC), Gijon, Spain, 12 - 14 May 2015, pp.31-38
- XLV. **The effect of infill walls on dynamic characteristics of a 4 storey RC building**  
KAPLAN O., GÜNEY Y., DOĞANGÜN A., LİVAOĞLU R.  
Global Civil Engineering Applied Science Conference, Taipei, Taiwan, 21 - 23 November 2014
- XLVI. **Dynamic evaluation of minaret of Emir Sultan Mosque**  
LİVAOĞLU R., Baştürk M. H., DOĞANGÜN A.  
International Conference on Earthquake Engineering, Üsküp, Macedonia, 29 - 31 May 2013
- XLVII. **Hydrodynamic pressure variation on 100m3 Container of Elevated Tank Due to Soil Structure Interaction**  
LİVAOĞLU R., DOĞANGÜN A., DURMUŞ DEMİR A., ÖZEN S., TİMURAĞAOĞLU M. Ö.  
International Conference on Earthquake Engineering, Üsküp, Macedonia, 29 - 31 May 2013
- XLVIII. **Performans of industrial structures in Turkey earthquakes**  
DOĞANGÜN A., TİMURAĞAOĞLU M. Ö., LİVAOĞLU R., ÖZEN S.  
International Conference on Earthquake Engineering, ÜSKÜP, Macedonia, 29 - 31 May 2013
- XLIX. **Structural Response of Elevated Tanks During The 1999 Turkey Earthquakes**  
LİVAOĞLU R., ÇAKIR T., DOĞANGÜN A., DURMUŞ DEMİR A., ÖZEN S., TİMURAĞAOĞLU M. Ö.  
International Conference on Earthquake Engineering, ÜSKÜP, Macedonia, 29 - 31 May 2013
- L. **Analysis of liquefaction during Van Earthquake**  
Turan A., El Naggar H., El Naggar H., LİVAOĞLU R., Guney Y.  
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
- LI. **Experimental and numerical investigations of a backfill rectangular tank fluid system in Samsun Turkey**  
LİVAOĞLU R., ÇAKIR T., DOĞANGÜN A.  
15th World Conference on Earthquake Engineering, LİZBON, Portugal, 24 - 28 September 2012
- LII. **Dolgu-dikdörtgen depo sisteminin modal karakteristiklerinin ve deprem davranışının belirlenmesi: Samsun-Atakum örneği,**  
ÇAKIR T., LİVAOĞLU R., DOĞANGÜN A.  
7. Ulusal Deprem Mühendisliği Konferansı, İstanbul, Turkey, 31 May 2011, vol.1, pp.1-12
- LIII. **1999 Türkiye depremlerinde ayaklı depoların davranışları ve oluşan hasarların değerlendirilmesi**  
DOĞANGÜN A., LİVAOĞLU R., ÇAKIR T.  
7. Ulusal Deprem Mühendisliği Konferansı, İstanbul, Turkey, 31 May 2011, vol.1, pp.1-11
- LIV. **An investigation of effect of the backfill drinking water tank fluid interaction on sloshing**  
ÇAKIR T., LİVAOĞLU R., DOĞANGÜN A.

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

**LIV. Soil Structure interaction effects on sloshing response of the cylindrical elevated tanks**

LİVAOĞLU R., DOĞANGÜN A., ÇAKIR T.

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

**LVI. An Example of ambient and forced vibration tests for understanding of structural performance of elevated liquid tanks**

LİVAOĞLU R., DOĞANGÜN A.

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

**LVII. Performance evaluation of historical masonry monumental structures during the 1999 Turkey earthquakes**

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

**LVIII. Effects of different backfill soil types on the displacement response of rectangular tank wall considering backfill wall fluid interaction**

ÇAKIR T., LİVAOĞLU R., DOĞANGÜN A.

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

**LIX. Seismic performance of masonry buildings during recent earthquakes in Turkey**

DOĞANGÜN A., URAL A., LİVAOĞLU R.

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

**LX. A comparative study of the seismic analysis of rectangular tanks according to different codes**

DOĞANGÜN A., LİVAOĞLU R.

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

**LXI. FE Modeling and dynamic analysis of above ground liquid containing tanks**

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

**LXII. AN INVESTIGATION ON SEISMIC RESPONSE OF THE R/C RECTANGULAR FLUID TANKS CONSIDERING FLUID-STRUCTURE-SOIL INTERACTION**

Livaoglu R.

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

**LXIII. SLOSHING RESPONSE OF THE CYLINDRICAL ELEVATED TANKS WITH FRAME STAGING SYSTEM ON DIFFERENT SOIL CONDITIONS**

Livaoglu R., DOĞANGÜN A.

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

**LXIV. A study on seismic behavior of minarets considering soil structure interaction**

Doğangün A., Livaoglu R., Acar R.

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

**LXV. An investigation about effects of supporting systems on fluid elevated tanks interaction**

DOĞANGÜN A., LİVAOĞLU R.

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

**LXVI. Performance of masonry minarets against earthquakes and winds in Turkey**

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

**LXVII. 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

**LXVIII. Yapı-zemin etkileşiminde değiştirme yöntemleri**

LİVAOĞLU R., DOĞANGÜN A.

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

**LXIX. A simple seismic analysis procedure for fluid elevated tank foundation soil systems**

LİVAOĞLU R., DOĞANGÜN A.

Sixth International Conference on Advances in Civil Engineering, İstanbul, Turkey, 6 - 08 October 2004

**LXX. Burulma düzensizliği olan çok katlı yapılarda rijit ve esnek taraflarda bulunan elemanların davranışlarının irdelenmesi**

LİVAOĞLU R., DOĞANGÜN A.

V. Ulusal Deprem Mühendisliği Konferansı, İstanbul, Turkey, 26 May 2003, pp.221-222

**LXXI. Deprem yönetmeliğindeki farklı zemin sınıflarına göre yapı davranışlarının irdelenmesi**

LİVAOĞLU R., DOĞANGÜN A.

Gümüşhane ve Yöresini Kalkındırma Sempozyumu, Gümüşhane, Turkey, 23 October 2002, vol.1, pp.142-152

**LXXII. Yumuşak kat düzensizliğinin yapı davranışına etkileri**

DOĞANGÜN A., LİVAOĞLU R.

IV. Mühendislik Mimarlık Sempozyumu, Balıkesir, Turkey, 11 October 2002, pp.479-489

**LXXIII. 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

## Metrics

Publication: 125

Citation (WoS): 887

Citation (Scopus): 1029

H-Index (WoS): 17

H-Index (Scopus): 17