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Kişisel Bilgiler

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Eğitim Bilgileri

Doktora, Karadeniz Teknik Üniversitesi, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği (Dr),
Türkiye 2001 - 2005

Yüksek Lisans, Karadeniz Teknik Üniversitesi, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği (YI)
(Tezli), Türkiye 1998 - 2001

Lisans, Ondokuz Mayıs Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü,
Türkiye 1994 - 1998

Biyografi

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.

Yaptığı Tezler

Doktora, Ayaklı depoların sıvı-yapı-zemin etkileşimleri dikkate alınarak deprem davranışlarının incelenmesi, Karadeniz Teknik Üniversitesi, Fen Bilimleri Enstitüsü, 2005

Yüksek Lisans, Yapıların deprem hesabında burulma düzensizliğinin ve hesap yöntemlerinin etkinliğinin incelenmesi,

Araştırma Alanları

Yapı Mühendisliği, Yapıların Performansı, Deprem Mühendisliği, Betonarme Yapılar, Yapılarda Onarım ve Güçlendirme, Yığma Yapılar

Akademik Unvanlar / Görevler

Prof. Dr., Bursa Uludağ Üniversitesi, MÜHENDİSLİK FAKÜLTESİ, İNŞAAT MÜHENDİSLİĞİ, 2015 - Devam Ediyor

Doç. Dr., Bursa Uludağ Üniversitesi, MÜHENDİSLİK FAKÜLTESİ, İNŞAAT MÜHENDİSLİĞİ, 2010 - 2015

Yrd. Doç. Dr., Gümüşhane Üniversitesi, Mühendislik Ve Doğa Bilimleri Fakültesi, İnşaat Mühendisliği Bölümü, 2008 - 2010

Yrd. Doç. Dr., Karadeniz Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2005 - 2008

Öğretim Görevlisi, Karadeniz Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2001 - 2005

Akademik İdari Deneyim

Anabilim/Bilim Dalı Başkanı, Bursa Uludağ Üniversitesi, MÜHENDİSLİK FAKÜLTESİ, İNŞAAT MÜHENDİSLİĞİ, 2016 - 2019

Dekan Yardımcısı, Bursa Uludağ Üniversitesi, MÜHENDİSLİK FAKÜLTESİ, 2015 - 2019

Anabilim/Bilim Dalı Başkanı, Bursa Uludağ Üniversitesi, MÜHENDİSLİK FAKÜLTESİ, İNŞAAT MÜHENDİSLİĞİ, 2010 - 2011

Yönetilen Tezler

Livaoğlu R., Sıvı-Yapı-Temel/Zemin Etkileşimi Etkisinde 100 m3 Ayaklı Su Deposu Stoğunun Kırılmalılık Eğrilerinin Elde Edilmesi, Yüksek Lisans, A.HAYDAR(Öğrenci), 2024

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

Livaoğlu R., YÜKSEK YAPI SİSTEMLERİNİN PERFORMANSLARINDA P-DELTA ETKİSİNİN DEĞERLENDİRİLMESİ, Yüksek Lisans, E.ŞANCI(Öğrenci), 2021

Livaoğlu R., Burulma düzensizliğine sahip taban izolasyonlu yapıların deprem davranışının incelenmesi, Yüksek Lisans, A.TOLGA(Öğrenci), 2020

Livaoğlu R., Bursa ili kentsel dönüşüm çalışmalarının yapısal olarak incelenmesi ve alansal dönüşüm önerileri, Yüksek Lisans, A.BEYAZ(Öğrenci), 2019

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

Livaoğlu R., Bursa tarihi minarelerinin dinamik davranışlarının ve performanslarının incelenmesi, Yüksek Lisans, C.SERHATOĞLU(Öğrenci), 2015

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

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Livaoğlu R., Denge ağırlığı ve radyasyonlu ortamlarda zırh işlevi amacına yönelik ağır beton tasarımı, Yüksek Lisans, S.ÖZEN(Öğrenci), 2013

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

1. 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)

- II. **Artificial Neural Network-based robust technique for period prediction of Ottoman minarets in Türkiye**
Nguyen Q. T., Vu V. T., LİVAOĞLU R.
Structures, cilt.61, 2024 (SCI-Expanded)
- III. **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)
- IV. **ANN-based averaging scheme for damage detection of high-rise buildings under noisy conditions**
Nguyen Q. T., LİVAOĞLU R.
Structures, cilt.58, 2023 (SCI-Expanded)
- V. **SSI effects on seismic response of RC flat-bottom circular silos**
Demir A. D., LİVAOĞLU R.
Structures, cilt.57, 2023 (SCI-Expanded)
- VI. **Structural damage identification of high-rise buildings: An artificial neural network based hybrid procedure**
Nguyen Q. T., LİVAOĞLU R.
Engineering Failure Analysis, cilt.150, 2023 (SCI-Expanded)
- VII. **Fundamental mode shape-based normalization scheme for damage detection of minarets: A non-model-based approach**
Nguyen Q. T., LİVAOĞLU R.
Engineering Failure Analysis, cilt.147, 2023 (SCI-Expanded)
- VIII. **Modal strain energy based enhanced approaches for damage detection and severity estimation**
Thue Nguyen Q., LİVAOĞLU R.
Engineering Failure Analysis, cilt.146, 2023 (SCI-Expanded)
- IX. **Simplified seismic response model for a bulk solid- silo-embedded foundation/soil system**
Demir A. D., LİVAOĞLU R.
Soil Dynamics and Earthquake Engineering, cilt.165, 2023 (SCI-Expanded)
- X. **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, cilt.34, sa.15, ss.12765-12788, 2022 (SCI-Expanded)
- XI. **A health monitoring solution on damage detection of minarets**
Nguyen Q. T., LİVAOĞLU R.
ENGINEERING FAILURE ANALYSIS, cilt.135, 2022 (SCI-Expanded)
- XII. **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, cilt.36, sa.4, ss.1709-1718, 2022 (SCI-Expanded)
- XIII. **Damage detection of high-rise buildings using an eigenvalue problem-based inverse solution**
Nguyen Q. T., LİVAOĞLU R.
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- XIV. **Combination of an inverse solution and an ANN for damage identification on high-rise buildings**
Nguyen Q. T., LİVAOĞLU R.
SMART STRUCTURES AND SYSTEMS, cilt.28, sa.3, ss.375-390, 2021 (SCI-Expanded)
- XV. **The effect of the ratio of γ -shaped shear connectors on the flexural behavior of a reinforced concrete frame**
Quy Thue Nguyen Q. T. N., LİVAOĞLU R.
ADVANCES IN STRUCTURAL ENGINEERING, cilt.23, sa.12, ss.2724-2740, 2020 (SCI-Expanded)
- XVI. **Comparison and assessment of material models for simulation of infilled RC frames under lateral loads**

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

GRADEVINAR, cilt.71, sa.1, ss.45-56, 2019 (SCI-Expanded)

- XVII. 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, cilt.18, sa.3, ss.921-934, 2018 (SCI-Expanded)
- XVIII. 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, cilt.20, ss.2392-2402, 2016 (SCI-Expanded)
- XIX. A simplified approximation for seismic analysis of silo-bulk material system**
Livaoglu R., Durmus A.
Bulletin of Earthquake Engineering, cilt.14, sa.3, ss.863-887, 2016 (SCI-Expanded)
- XX. 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.
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- XXI. Dynamic response of traditional and buttressed reinforced concrete minarets**
Turkeli E., LİVAOĞLU R., DOĞANGÜN A.
ENGINEERING FAILURE ANALYSIS, cilt.49, ss.31-48, 2015 (SCI-Expanded)
- XXII. Investigation of wall flexibility effects on seismic behavior of cylindrical silos**
LİVAOĞLU R., DURMUŞ DEMİR A.
STRUCTURAL ENGINEERING AND MECHANICS, cilt.53, sa.1, ss.159-172, 2015 (SCI-Expanded)
- XXIII. The numerical and empirical evaluation of chimneys considering soil structure interaction and high-temperature effects**
Livaoglu R.
Soil Dynamics and Earthquake Engineering, cilt.66, ss.178-190, 2014 (SCI-Expanded)
- XXIV. Soil interaction effects on sloshing response of the elevated tanks**
Livaoglu R.
GEOMECHANICS AND ENGINEERING, cilt.5, sa.4, ss.283-297, 2013 (SCI-Expanded)
- XXV. Experimental analysis on FEM definition of backfill-rectangular tank-fluid system**
ÇAKIR T., LİVAOĞLU R.
GEOMECHANICS AND ENGINEERING, cilt.5, sa.2, ss.165-185, 2013 (SCI-Expanded)
- XXVI. THE NUMERICAL AND EMPIRICAL EVALUATION OF STRUCTURAL PERFORMANCE OF ELEVATED TANKS CONSIDERING SOIL-STRUCTURE INTERACTION EFFECTS**
LİVAOĞLU R., Turan A., El Naggari M. H., DOĞANGÜN A.
JOURNAL OF EARTHQUAKE AND TSUNAMI, cilt.6, sa.2, 2012 (SCI-Expanded)
- XXVII. Fast practical analytical model for analysis of backfill-rectangular tank-fluid interaction systems**
ÇAKIR T., LİVAOĞLU R.
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- XXVIII. Effects of backfill on seismic behavior of rectangular tanks**
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OCEAN ENGINEERING, cilt.38, sa.10, ss.1161-1173, 2011 (SCI-Expanded)
- XXIX. Investigation of dynamic response of masonry minaret structures**
DOĞANGÜN A., Acar R., Sezen H., Livaoglu R.
Bulletin of Earthquake Engineering, cilt.6, sa.3, ss.505-517, 2008 (SCI-Expanded)
- XXX. Dynamic analysis and seismic performance of reinforced concrete minarets**
Sezen H., Acar R., DOĞANGÜN A., Livaoglu R.
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- XXXI. Dynamic analysis and seismic performance evaluation of above-ground liquid-containing tanks**
Sezen H., Livaoglu R., DOĞANGÜN A.
Engineering Structures, cilt.30, sa.3, ss.794-803, 2008 (SCI-Expanded)
- XXXII. Investigation of seismic behavior of fluid-rectangular tank-soil/foundation systems in frequency**

domain

Livaoglu R.

SOIL DYNAMICS AND EARTHQUAKE ENGINEERING, cilt.28, sa.2, ss.132-146, 2008 (SCI-Expanded)

XXXIII. **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, cilt.1, sa.3, ss.251-271, 2007 (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, cilt.27, sa.9, ss.855-863, 2007 (SCI-Expanded)

XXXV. **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, cilt.14, sa.2, ss.133-145, 2007 (SCI-Expanded)

XXXVI. **Traditional wooden buildings and their damages during earthquakes in Turkey**

Doganguen A., Tuluk O. I., Livaoglu R., Acar R.

Engineering Failure Analysis, cilt.13, sa.6, ss.981-996, 2006 (SCI-Expanded)

XXXVII. **Simplified seismic analysis procedures for elevated tanks considering fluid-structure-soil interaction**

Livaoglu R., DOĞANGÜN A.

Journal of Fluids and Structures, cilt.22, sa.3, ss.421-439, 2006 (SCI-Expanded)

XXXVIII. **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, cilt.10, sa.3, ss.335-351, 2006 (SCI-Expanded)

XXXIX. **Seismic evaluation of fluid-elevated tank-foundation/soil systems in frequency domain**

Livaoglu R., DOĞANGÜN A.

Structural Engineering and Mechanics, cilt.21, sa.1, ss.101-119, 2005 (SCI-Expanded)

XL. **Hydrodynamic pressures acting on the walls of rectangular fluid containers**

DOĞANGÜN A., Livaoglu R.

Structural Engineering and Mechanics, cilt.17, sa.2, ss.203-214, 2004 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

I. **Degradation of the first frequency of an RC frame with damage levels**

Nguyen Q. T., LİVAOĞLU R.

Frattura ed Integrita Strutturale, cilt.17, sa.64, ss.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, cilt.24, sa.1, ss.63-74, 2019 (Hakemli Dergi)

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, cilt.6, ss.192-203, 2018 (Hakemli Dergi)

IV. **NATURAL CHARACTERISTICS AND NONLINEAR BEHAVIOR OF A NEW RC FORMWORK SYSTEM**

Serhatoğlu C., Nguyen Q. T., Livaoglu R.

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V. **Evaluation of Liquefaction in Erçis Plain during Van Earthquake**

alper t., Hanny E. N., LİVAOĞLU R.

International Journal of Geohazards and Environment, cilt.1, sa.2, ss.63-75, 2015 (Hakemli Dergi)

- VI. **Mimari ve taşıyıcı sistem özellikleri bağlamında Türk minare geleneği**
TULUK Ö. İ., DOĞANGÜN A., LİVAOĞLU R., ACAR R.
Yapı Dünyası, sa.122, ss.41-49, 2006 (Hakemli Dergi)
- VII. **Geçmişten günümüze ahşap yapılarda taşıyıcı sistemler**
DOĞANGÜN A., TULUK Ö. İ., ACAR R., LİVAOĞLU R.
Ahşap-Yapı Malzemeleri Dergisi, sa.22, 2004 (Hakemli Dergi)
- VIII. **Üstün ve zayıf yönleriyle ahşap yapılar**
DOĞANGÜN A., LİVAOĞLU R., TULUK Ö. İ., ACAR R.
Yapı Dünyası, sa.105, ss.41-48, 2004 (Hakemli Dergi)
- IX. **Farklı taşıyıcı sisteme sahip ayaklı depoların zemin sınıflarına göre dinamik davranışlarının irdelenmesi**
DOĞANGÜN A., LİVAOĞLU R.
Sakarya Üniversitesi Fen Bilimleri Enstitüsü Dergisi, cilt.7, sa.3, ss.70-77, 2003 (Hakemli Dergi)
- X. **Yapıların deprem hesabında eşdeğer deprem yükü yönteminin kullanılması**
LİVAOĞLU R., DOĞANGÜN A.
TMMOB İnşaat Mühendisleri Odası Trabzon Şubesi Mühendislik Bülteni, sa.58, ss.14-24, 2001 (Hakemli Dergi)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **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 Temmuz 2023, cilt.460 LNCE, ss.175-184
- II. **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, İtalya, 30 Ağustos - 01 Eylül 2023, cilt.432 LNCE, ss.676-685
- III. **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, Türkiye, 27 Kasım 2021, ss.29-34
- IV. **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 Ekim 2019
- V. **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 Nisan 2019
- VI. **An Evaluation Of II And A Shaped Shear Connectors at Concreteto-Concrete Interface Surfaces**
Nguyen Q., LİVAOĞLU R.
International Civil Engineering and Architecture Conference 2019, 17 - 20 Nisan 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 Nisan 2019
- VIII. **SIMPLE DETERMINATION OF THE HISTORICAL MINARETS' PERIOD**
SERHATOĞLU C., LİVAOĞLU R.
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- IX. Seismic Performance of Hocalizade Minaret Strengthened by Steel Tube**
SERHATOĞLU C., LİVAOĞLU R.
13th International Congress on Advances in Civil Engineering, İzmir, Türkiye, 12 - 14 Eylül 2018, ss.1-8
- X. 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, Türkiye, 12 - 14 Eylül 2018, ss.1-8
- XI. 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, Türkiye, 11 - 13 Ekim 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, Türkiye, 11 - 13 Ekim 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, Türkiye, 11 - 13 Ekim 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, Türkiye, 11 - 13 Ekim 2017
- XV. RAPID VALIDATION OF FUNDAMENTAL PERIOD FOR HISTORIC MINARETS**
SERHATOĞLU C., LİVAOĞLU R.
4rd International Conference on Earthquake Engineering and Seismology (4ICEES), Eskişehir, Türkiye, 11 - 13 Ekim 2017
- XVI. 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, Türkiye, 11 - 13 Ekim 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, İspanya, 17 - 20 Nisan 2017
- XVIII. 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, İspanya, 17 - 20 Nisan 2017
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