

# Res. Asst. CAVİT SERHATOĞLU

## Personal Information

**Office Phone:** [+90 224 294 2617](tel:+902242942617)

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

**Web:** <https://avesis.uludag.edu.tr/cserhatoglu>

### International Researcher IDs

ORCID: 0000-0002-7773-549X

Yoksis Researcher ID: 193427

## Education Information

2015 - Continues	Doctorate, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, İnşaat Mühendisliği (Dr), Turkey
2010 - Continues	Undergraduate, Anadolu University, Faculty Of Economics, Department Of Public Administration, Turkey
2018 - 2020	Associate Degree, Bursa Uludağ University, MENNAN PASİNLİ ATÇILIK MYO, Horse Riding and Coaching, Turkey
2013 - 2015	Postgraduate, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, İnşaat Mühendisliği (Y) (Tezli), Turkey
2008 - 2012	Undergraduate, Selcuk University, Faculty Of Engineering, Department Of Civil Engineering, Turkey

## Foreign Languages

English, C1 Advanced

## Dissertations

2015	Bursa tarihi minarelerinin dinamik davranışlarının ve performanslarının incelemesi, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, İnşaat Mühendisliği (Y) (Tezli), Postgraduate
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## Research Areas

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

## Academic Titles / Tasks

2013 - Continues	Research Assistant, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, FEN BİLİMLERİ ENSTİTÜSÜ
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## Published journal articles indexed by SCI, SSCI, and AHCI

1. 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)

- II. **A fast and practical approximations for fundamental period of historical Ottoman minarets**  
Serhatoğlu C., Livaoğlu R.  
SOIL DYNAMICS AND EARTHQUAKE ENGINEERING, vol.120, pp.320-331, 2019 (SCI-Expanded)
- III. **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)
- IV. **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)

### **Articles Published in Other Journals**

- I. **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)
- II. **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)

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

- I. **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
- II. **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
- III. **Seismic Performance of Hocaalazade 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
- IV. **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
- V. **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
- VI. **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

**VII. 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

**VIII. 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

**IX. 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

**X. 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

**XI. 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

**XII. 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

**XIII. Dynamic Characteristics and Seismic Behavior of Historical Minaret of the Altıparmak Mosque**

SERHATOĞLU C., LİVAOĞLU R.

ICENS, 24 - 28 May 2016

**XIV. Ottoman Cultural Heritages in Bursa Structural Determination of Historical Minarets**

LİVAOĞLU R., SERHATOĞLU C.

ICENS, 24 - 28 May 2016

**XV. 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

**XVI. 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

**XVII. 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

## Supported Projects

2014 - 2016

Narin yığma yapıların dinamik davranışlarının deprem ve rüzgâra karşı performansının incelenmesi,  
Project Supported by Higher Education Institutions

## Activities in Scientific Journals

## Scientific Refereeing

May 2019

International Journal Of Architectural Heritage, SCI Journal

## Metrics

Publication: 27

Citation (WoS): 55

Citation (Scopus): 62

H-Index (WoS): 3

H-Index (Scopus): 4

## Awards

June 2020

Department Degree, Bursa Uludağ Üniversitesi/Mennan Pasinli Atçılık Myo/ Atçılık Ve Antrenörlüğü Bölümü

June 2012

Department degree, Selçuk Üniversitesi İnşaat Mühendisliği Bölümü