

## Assoc. Prof. HÜSEYİN ÇİLSALAR

### Personal Information

**Office Phone:** [+90 354 242 1001](tel:+903542421001) Extension: 1961

**Email:** [huseyin.cilsalar@bozok.edu.tr](mailto:huseyin.cilsalar@bozok.edu.tr)

**Web:** <https://avesis.bozok.edu.tr/huseyin.cilsalar>

### International Researcher IDs

ScholarID: QACeDf4AAAAJ

ORCID: 0000-0001-7401-6839

Publons / Web Of Science ResearcherID: ABF-5295-2020

Yoksis Researcher ID: 29207

### Education Information

Doctorate, State University of New York at Buffalo, İnşaat Mühendisliği, United States Of America 2015 - 2019

Postgraduate, Erciyes University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği (YI) (Tezli), Turkey 2012 - 2014

Undergraduate, Erciyes University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, Turkey 2008 - 2012

### Dissertations

Doctorate, DEVELOPMENT AND VALIDATION OF A SEISMIC ISOLATION SYSTEM FOR LIGHTWEIGHT RESIDENTIAL CONSTRUCTION, State University of New York at Buffalo, İnşaat Mühendisliği, 2019

Postgraduate, Dinamik hareket denklemlerinin çözümü için adım adım sayısal çözümleme yöntemi, Erciyes University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği (YI) (Tezli), 2014

### Research Areas

Structure, Performance of Constructed Facilities, Earthquake Engineering

### Academic Titles / Tasks

Associate Professor, Yozgat Bozok University, Mühendislik-Mimarlık Fakültesi, İnşaat Mühendisliği, 2023 - Continues

Assistant Professor, Yozgat Bozok University, Mühendislik-Mimarlık Fakültesi, İnşaat Mühendisliği, 2022 - 2023

Lecturer PhD, Yozgat Bozok University, Mühendislik-Mimarlık Fakültesi, İnşaat Mühendisliği, 2019 - 2022

Research Assistant, Abdullah Gul University, Mühendislik Ve Doğa Bilimleri Fakültesi, İnşaat Mühendisliği Bölümü, 2013 - 2015

### Academic and Administrative Experience

Deputy Head of Department, Yozgat Bozok University, Mühendislik-Mimarlık Fakültesi, İnşaat Mühendisliği, 2023 - Continues

Deputy Head of Department, Yozgat Bozok University, Mühendislik-Mimarlık Fakültesi, İnşaat Mühendisliği, 2022 - 2023

## Courses

DİNAMİK, Undergraduate, 2019 - 2020

DİNAMİK (İ.Ö), Undergraduate, 2019 - 2020

İNŞAAT MÜH. TEKNİK RESİM, Undergraduate, 2019 - 2020

İNŞAAT MÜH. TEKNİK RESİM (İ.Ö), Undergraduate, 2019 - 2020

## Jury Memberships

Doctoral Examination, Doctoral Examination, Konya Teknik Üniversitesi, May, 2024

Doctoral Examination, Doctoral Examination, Erciyes Üniversitesi, December, 2023

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

- I. **Post-earthquake fire collapse performance and residual story drift fragility of two-dimensional structural frames**  
ÇİLSALAR H.  
STRUCTURES, vol.38, pp.1438-1452, 2022 (SCI-Expanded)
- II. **Seismic loss assessment of seismically isolated buildings designed by the procedures of ASCE/SEI 7-16**  
Kitayama S., ÇİLSALAR H.  
BULLETIN OF EARTHQUAKE ENGINEERING, vol.20, no.2, pp.1143-1168, 2022 (SCI-Expanded)
- III. **Characterization of elastic and shear moduli of adapazari soils by dynamic triaxial tests and soil-structure interaction with site properties**  
KAYA Z., Erken A., ÇİLSALAR H.  
Soil Dynamics and Earthquake Engineering, vol.151, 2021 (SCI-Expanded)
- IV. **Seismic performance evaluation of adjacent buildings with consideration of improved soil conditions**  
ÇİLSALAR H., ÇADIR C. C.  
SOIL DYNAMICS AND EARTHQUAKE ENGINEERING, vol.140, 2021 (SCI-Expanded)
- V. **Parametric study of seismic collapse performance of lightweight buildings with spherical deformable rolling isolation system**  
ÇİLSALAR H., Constantinou M. C.  
BULLETIN OF EARTHQUAKE ENGINEERING, vol.18, no.4, pp.1475-1498, 2020 (SCI-Expanded)
- VI. **Behavior of a spherical deformable rolling seismic isolator for lightweight residential construction**  
Cilsalar H., Constantinou M. C.  
BULLETIN OF EARTHQUAKE ENGINEERING, vol.17, no.7, pp.4321-4345, 2019 (SCI-Expanded)
- VII. **Parabolic and cubic acceleration time integration schemes for nonlinear structural dynamics problems using the method of weighted residuals**  
Cilsalar H., AYDIN K.  
MECHANICS OF ADVANCED MATERIALS AND STRUCTURES, vol.23, no.7, pp.727-738, 2016 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Comparative fire-following-earthquake performance of codecompliant low-rise base-isolated structures**  
Çilsalar H.  
Journal of Structural Engineering & Applied Mechanics (Online), vol.5, no.2, pp.77-95, 2022 (Peer-Reviewed Journal)

- II. **Prediction Model For Base Shear Increase Due To Vertical Ground Motion In Friction Pendulum Isolated Structures**  
ÇİLSALAR H.  
Uludağ Üniversitesi Mühendislik Fakültesi Dergisi, vol.27, no.1, pp.175-190, 2022 (Peer-Reviewed Journal)
- III. **Probabilistic Seismic Hazard Assessment of City Center of Kayseri**  
Çilsalar H., Temiz U.  
Erciyes Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.36, no.2, pp.286-298, 2020 (Peer-Reviewed Journal)
- IV. **Effect of vertical ground motion on the response of structures isolated with friction pendulum isolators**  
ÇİLSALAR H., Constantninou M. C.  
International Journal of Earthquake and Impact Engineering, vol.2, no.2, pp.135-157, 2017 (Peer-Reviewed Journal)

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

- I. **Energy Dissipation In Friction Pendulum Bearing Elements Due To Temperature Dependency of Sliding Friction**  
ÇİLSALAR H.  
7TH INTERNATIONAL ERCIYES CONFERENCE ON SCIENTIFIC RESEARCH, Kayseri, Turkey, 9 - 10 March 2022
- II. **Behavior of 5-Story Steel Moments Resisting Frame Under Post-Earthquake Fire Loads**  
ÇİLSALAR H.  
8. INTERNATIONAL ISTANBUL SCIENTIFIC RESEARCH CONGRESS, İstanbul, Turkey, 12 - 13 March 2022
- III. **Dinamik Analiz Problemleri İçin Yeni Bir Adım Adım Sayısal Çözümleme Yöntemi**  
ÇİLSALAR H., Aydın K.  
İKİNCİ TÜRKİYE DEPREM MÜHENDİSLİĞİ VE SİSMOLOJİ KONFERANSI, Hatay, Turkey, 25 - 27 September 2013

### **Activities in Scientific Journals**

Bozok Journal of Engineering and Architecture, Assistant Editor/Section Editor, 2024 - Continues

### **Scientific Refereeing**

JOURNAL OF EARTHQUAKE ENGINEERING, National Scientific Refreed Journal, June 2024  
Earthquakes and Structures, An International Journal, SCI Journal, May 2024  
TEKNIK DERGI/TECHNICAL JOURNAL OF TURKISH CHAMBER OF CIVIL ENGINEERS, SCI Journal, May 2023  
JOURNAL OF EARTHQUAKE ENGINEERING, Journal Indexed in SCI-E, February 2023  
EARTHQUAKE ENGINEERING & STRUCTURAL DYNAMICS, SCI Journal, July 2022  
JOURNAL OF STRUCTURAL ENGINEERING-ASCE, SCI Journal, February 2022  
GEOMECHANICS AND ENGINEERING, SCI Journal, August 2021  
GEOMECHANICS AND ENGINEERING, SCI Journal, January 2021  
SHIPS AND OFFSHORE STRUCTURES, SCI Journal, December 2020

### **Metrics**

Publication: 14  
Citation (WoS): 23  
Citation (Scopus): 25  
H-Index (WoS): 3

H-Index (Scopus): 3

## **Scholarships**

YLSY, Ministry of Education, 2015 - 2019

2210-A Genel Yurt İçi Yüksek Lisans Burs Programı, TUBITAK, 2013 - 2014