

## Prof. Dr. AYŞEGÜL ASKAN GÜNDOĞAN

### Kişisel Bilgiler

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### Eğitim Bilgileri

Doktora, Carnegie Mellon University, İnşaat Mühendisliği, Amerika Birleşik Devletleri 2002 - 2006

Yüksek Lisans, Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Yapı Mekaniği Anabilim Dalı, Türkiye 2000 - 2002

Lisans, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, Türkiye 1996 - 2000

### Yabancı Diller

İngilizce, C1 İleri

### Araştırma Alanları

İnşaat Mühendisliği, Yapı, Deprem Mühendisliği, Mühendislik ve Teknoloji

### Akademik Unvanlar / Görevler

Prof. Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2017 - Devam Ediyor

Doç. Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2011 - Devam Ediyor

Yrd. Doç. Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2009 - 2011

Öğretim Görevlisi, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2007 - 2009

### Akademik İdari Deneyim

Bölüm Başkanı, Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Deprem Çalışmaları Anabilim Dalı, 2015 - Devam Ediyor

Rektörlüğe Bağlı Komisyon Üyesi, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2018 - 2024

Enstitü Müdür Yardımcısı, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2018 - 2024

## Verdiği Dersler

FINITE ELEMENT METHOD, Yüksek Lisans, 2018 - 2019

## Yönetilen Tezler

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## Jüri Üyelikleri

Doçentlik Sınavı, Doçentlik Sınavı, Orta Doğu Teknik Üniversitesi, Mayıs, 2020

Doktora Tez İzleme Komitesi (TİK) Üyeliği, Doktora Tez İzleme Komitesi (TİK) Üyeliği, Orta Doğu Teknik Üniversitesi, Haziran, 2019

Akademik Kadroya Atama-Yardımcı Doçentlik, Akademik Kadroya Atama, Gebze Teknik Üniversitesi, Kasım, 2018

## SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Traditional seismic hazard analyses underestimate hazard levels when compared to observations from the 2023 Kahramanmaraş earthquakes**  
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- V. **Modeling of kappa factor using multivariate adaptive regression splines: application to the western Türkiye ground motion dataset**  
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- VI. **Preface for the Focus Section on the 6 February 2023, Kahramanmaraş, Türkiye, Earthquakes**  
Çetin K. Ö., Kalkan E., Askan Gündoğan A., Bohnhoff M., Ergintav S., Konca Ö. A. Ö., Taymaz T., Sabuncu Ç. Ç., Gülerce Z.  
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- X. **Fundamental period estimation of RC buildings by considering structural and non-structural damage distributions through neural network**  
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- XIV. **The Sensitivity of Global Structural Parameters for Unreinforced Masonry Buildings Subjected to Simulated Ground Motions**  
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- XXVIII. **Geotechnical aspects of reconnaissance findings after 2020 January 24th, M6.8 Sivrice–Elazığ–Turkey earthquake**  
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- XXX. **Collection of microseismic intensity data: a model for Turkey**  
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- XXXIV. **Use of simulated ground motions for the evaluation of energy response of simple structural systems**  
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- XXXVIII. **Modeling of a historical earthquake in Erzincan, Turkey (Ms similar to 7.8, in 1939) using regional seismological information obtained from a recent event**  
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- XL. **Evaluation of Site Response with Alternative Methods: A Case Study for Engineering Implications**  
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- XLII. **Assessment of alternative simulation techniques in nonlinear time history analyses of multi-story frame buildings: A case study**  
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- XLIII. **Site-specific uniform hazard spectrum in Eastern Turkey based on simulated ground motions including near-field directivity and detailed site effects**  
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- XLIV. **Simulation of large earthquakes and its implications on earthquake insurance rates: a case study in Bursa region (Turkey)**  
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- XLVI. **Seismic Intensity Maps for the Eastern Part of the North Anatolian Fault Zone (Turkey) Based on Recorded and Simulated Ground-Motion Data**  
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- XLVIII. **Development of integrated earthquake simulation system for Istanbul**  
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- LII. **Assessment of seismic hazard in the Erzincan (Turkey) region: construction of local velocity models and evaluation of potential ground motions**  
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- LVII. **Relationships between Felt Intensity and Recorded Ground-Motion Parameters for Turkey**  
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NATURAL HAZARDS, SCI-E Kapsamındaki Dergi, Kasım 2019  
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Bulletin Of Earthquake Engineering, SCI Kapsamındaki Dergi, Mayıs 2018  
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SOIL DYNAMICS AND EARTHQUAKE ENGINEERING, SCI Kapsamındaki Dergi, Mayıs 2018  
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TÜBİTAK Projesi, 1001 - Bilimsel ve Teknolojik Araştırma Projelerini Destekleme Programı, Orta Doğu Teknik Üniversitesi, Türkiye, Mayıs 2018  
Engineering Structures, SCI Kapsamındaki Dergi, Nisan 2018  
Soil Dynamics And Earthquake Engineering, SCI Kapsamındaki Dergi, Mart 2018  
EARTH PLANETS AND SPACE, SCI Kapsamındaki Dergi, Şubat 2018

## **Bilimsel Danışmanlıklar**

COSMOS, Kurum veya Organizasyonlar İçin Yapılan Danışmanlık, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, Türkiye, 2016 - Devam Ediyor

## **Etkinlik Organizasyonlarındaki Görevler**

Askan Gündoğan A., COSMOS Site Characterization Workshop, Çalıştay Organizasyonu, Türkiye, Şubat 2023  
Askan Gündoğan A., International Conference on Disaster Resilience (IDRC 2022), Bilimsel Kongre / Sempozyum Organizasyonu, Türkiye, Ekim 2022  
Askan Gündoğan A., Aagaard B., COSMOS Ground-Motion Simulation Working Group Workshop #2 , Çalıştay Organizasyonu, Türkiye, Ekim 2022  
Askan Gündoğan A., Aagaard B., COSMOS Ground-Motion Simulation Working Group Workshop #1, Çalıştay Organizasyonu, Amerika Birleşik Devletleri, Haziran 2022  
Askan Gündoğan A., Pilz M., D'amico S., American Geophysical Union 2021 Fall Meeting (NS45A - Integrated Geophysical Investigations for Seismic Site Characterization), Bilimsel Kongre / Sempozyum Organizasyonu, Amerika Birleşik Devletleri, Aralık 2021

Askan Gündoğan A., Akgün H., Türer A., Sucuoğlu H., 6th International Conference on Earthquake Engineering and Seismology (6ICEES) , Bilimsel Kongre / Sempozyum Organizasyonu, Türkiye, Ekim 2021  
Erberik M. A., Askan Gündoğan A., Koçkar M. K., Beşinci Uluslararası Deprem Mühendisliği ve Sismoloji Konferansı, Bilimsel Kongre / Sempozyum Organizasyonu, Ankara, Türkiye, Ekim 2019  
Askan Gündoğan A., 3rd Workshop of Japanese-Turkish Resilience Engineering Program (JTRE) , Çalıştay Organizasyonu, Ankara, Türkiye, Ocak 2018

## Metrikler

Yayın: 184  
Atf (WoS): 721  
Atf (Scopus): 1040  
H-İndeks (WoS): 16  
H-İndeks (Scopus): 20

## Kongre ve Sempozyum Katılımı Faaliyetleri

Canadian Conference - Pacific Conference on Earthquake Engineering 2023, Davetli Konuşmacı, Vancouver, Kanada, 2023  
Erzincan Kent Konseyi: Depremle Yaşamak Sempozyumu, Davetli Konuşmacı, Erzincan, Türkiye, 2022  
Consortium of Organizations for Strong Motion Observation Systems (COSMOS) Technical Session 2022, Davetli Konuşmacı, California, Amerika Birleşik Devletleri, 2022  
Consortium of Organizations for Strong Motion Observation Systems (COSMOS) Technical Session, Davetli Konuşmacı, California, Amerika Birleşik Devletleri, 2021  
Consortium of Organizations for Strong Motion Observation Systems (COSMOS) Technical Session, Davetli Konuşmacı, California, Amerika Birleşik Devletleri, 2021  
37th Annual Meeting of the European Seismological Commission (ESC), Davetli Konuşmacı, Athens, Yunanistan, 2021  
5th International Conference on Earthquake Engineering and Seismology, Davetli Konuşmacı, Ankara, Türkiye, 2019  
Joint symposium for the Japan and Turkey inter-university exchange project, Davetli Konuşmacı, Tokyo, Japonya, 2019  
36th General Assembly of the European Seismological Commission (ESC 2018) , Davetli Konuşmacı, Valletta, Malta, 2018

## Davetli Konuşmalar

How extreme are the 6 February 2023 Kahramanmaraş, Türkiye earthquakes? Observations on seismic hazard levels, recorded ground motions and damages, Seminer, D-learning Series Fall 2023, Japonya, Ekim 2023  
Turkey and Syria after the Earthquakes Panel 4: Long-Term Recovery (2): Building Back Better, Seminer, CARRRE Panel, Amerika Birleşik Devletleri, Ekim 2023  
February 6, 2023 Kahramanmaraş Earthquakes: An Initial Assessment of Recorded Ground Motions and Observed Damages , Çalıştay, 2023 Blended Intensive Programme (B.I.P.) in Mathematical Modelling, İtalya, Temmuz 2023  
February 6, 2023 Kahramanmaraş earthquakes: an Initial Assessment of Recorded Ground Motions and Observed Damages, Seminer, cee200: Structural & Geotechnical Engineering Seminar Series, Amerika Birleşik Devletleri, Nisan 2023  
Characteristics of the earthquake ground motion and damage to buildings, Seminer, Joint Seminar on the 2023 Earthquake in the Southern Türkiye and Syria -Mechanism, damage and strategy for recovery, reconstruction, BBB, and Resilient society, Japonya, Mart 2023  
February 6, 2023 Kahramanmaraş Earthquakes: An Initial Assessment of Recorded Ground Motions and Observed Damages, Seminer, USGS Earthquake Science Center Seminars, Amerika Birleşik Devletleri, Mart 2023  
Ground Motions of the 6 February 2023 Kahramanmaraş Earthquakes: an Initial Assessment, Seminer, Building Seismic

Safety Council (BSSC 2023), Amerika Birleşik Devletleri, Mart 2023

Simulation of large earthquakes and its implications on earthquake insurance rates: a case study in Bursa region, Çalıştay, JSPS Project WS on earthquake ground motion estimation in historical city, Bursa, Japonya, Temmuz 2022  
The report on the 2020 Elazığ & İzmir earthquakes: seismological aspects, damage investigation and social issues, Konferans, Japan Association of Earthquake Engineering (JAEE), Japonya, Aralık 2020

## **Ödüller**

Günbaş E. G., ASKAN GÜNDOĞAN A., Mustafa Parlar Vakfı Araştırma Teşvik Ödülü, Parlar Vakfı, Aralık 2018

## **Tanıtım ve Temsil Faaliyetleri**

Kurumsal Tanıtım, ORTA DOĞU TEKNİK ÜNİVERSİTESİ, Türkiye, Ankara, 2020 - 2020

## **Akademi Dışı Deneyim**

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