

## Res. Asst. PhD HÜRMET KÜÇÜKGÖNCÜ

### Personal Information

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### Education Information

Doctorate, Erciyes University, Fen Bilimleri Enstitüsü, Civil Engineering, Turkey 2013 - 2018

Postgraduate, Erciyes University, Fen Bilimleri Enstitüsü, Civil Engineering, Turkey 2011 - 2013

Undergraduate Double Major, Erciyes University, Mühendislik Fakültesi, İnşaat Mühendisliği, Turkey 2007 - 2011

Undergraduate, Erciyes University, Mühendislik Fakültesi, Makina Mühendisliği, Turkey 2006 - 2010

### Dissertations

Doctorate, An experimental study of analyzing the seismic behavior of strengthened three dimensional frame structure, Erciyes University, Fen Bilimleri Enstitüsü, Civil Engineering, 2018

Postgraduate, Detecting the damaged beams using Hilbert-Huang Transform, Erciyes University, Fen Bilimleri Enstitüsü, Civil Engineering, 2013

### Research Areas

Civil Engineering, Mechanical, Structural Mechanics, Building Dynamics, Structural Engineering, Earthquake Engineering, Concrete Structures, Repair and Strengthening in Buildings, Engineering and Technology

### Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **One-Story Three-Dimensional Frame Structures Behavior Strengthened with External Shear Wall under Cyclic Loading: An Experimental Study**  
KÜÇÜKGÖNCÜ H., ALTUN F.  
JOURNAL OF EARTHQUAKE ENGINEERING, 2021 (Journal Indexed in SCI)
- II. **The seismic behaviour of RC exterior shear walls used for strengthening of intact and damaged frames**  
Küçükğöncü H., Altun F.  
BULLETIN OF EARTHQUAKE ENGINEERING, vol.18, no.8, pp.3683-3709, 2020 (Journal Indexed in SCI)
- III. **Crack identification in beams using Hilbert transform, kurtosis and mode shape rotation deviation curve**  
Kucukgoncu H., AYDIN K.  
Inverse Problems in Science and Engineering, vol.21, no.8, pp.1392-1416, 2013 (Journal Indexed in SCI Expanded)

### Articles Published in Other Journals

- I. **An efficient algorithm for ogee spillway discharge with partially opened radial gates by the method of Design of Small Dams and comparison of current and previous methods**  
Haktanır T., Çıtakoğlu H., Küçükgöncü H.  
The International Journal Of Engineering And Science (IJES), vol.5, no.7, pp.13-26, 2016 (Refereed Journals of Other Institutions)

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

- I. **An Experimental Study Analyzing The Seismic Behaviour of Three Dimensional Frame Structure**  
Küçükgöncü H., Altun F.  
3. INTERNATIONAL CONFERENCE ON CIVIL AND ENVIRONMENTAL ENGINEERING, İzmir, Turkey, 24 - 27 April 2018, vol.1, pp.423-431
- II. **GÜÇLENDİRİLMİŞ ÜÇ BOYUTLU ÇERÇEVE YAPI DEPREM DAVRANIŞININ DENEYSEL İNCELENMESİ**  
Küçükgöncü H., Altun F.  
6. Ulusal Yapı Mekaniği Laboratuvarları Toplantısı, Trabzon, Turkey, 17 - 18 November 2017, pp.59-60
- III. **Detecting Damages in Beams Using Hilbert-Huang Transform**  
Aydın K., Küçükgöncü H.  
10th International Congress on Advances in Civil Engineering, Ankara, Turkey, 17 - 19 October 2012, pp.1-10

### **Supported Projects**

Küçükgöncü H., Altun F., Project Supported by Higher Education Institutions, An Experimental Study of Analyzing the Seismic Behavior of Strengthened Three Dimensional Frame Structure, 2017 - 2018