

## Res. Asst. PhD ELİF FİRUZE ERDİL

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Akdeniz University, Institute Of Science, Civil Engineering, Turkey 2013 - 2023

Postgraduate, Akdeniz University, Institute Of Science, Civil Engineering, Turkey 2011 - 2013

Undergraduate, Gaziantep University, Faculty of Engineering, Civil Engineering, Turkey 2003 - 2010

### Foreign Languages

English, C1 Advanced

### Certificates, Courses and Trainings

Other, TÜBİTAK 1001 1003 ve 1005 Programlarına Yönelik Bilimsel Proje Hazırlama Eğitimi, Akdeniz Üniversitesi, 2021

Vocational Course, Advanced Course on Computational Geotechnics with PLAXIS, İstanbul Kültür Üniversitesi, 2012

### Dissertations

Doctorate, Betonarme yapıların burkulması engellenmiş çelik çaprazlar ile dış güçlendirme metotlarının geliştirilmesi, Akdeniz University, Faculty Of Engineering, Department Of Civil Engineering, 2023

Postgraduate, Yapı-zemin etkileşiminin Antalya il ölçeğinde araştırılması, Akdeniz University, Faculty Of Engineering, Department Of Civil Engineering, 2013

### Research Areas

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

### Academic Titles / Tasks

Research Assistant PhD, Akdeniz University, Faculty of Engineering, Department of Civil Engineering, 2023 - Continues

Research Assistant, Akdeniz University, Faculty Of Engineering, Department Of Civil Engineering, 2011 - 2023

## Courses

Çelik Yapılar, Undergraduate, 2023 - 2024

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

- I. **External strengthening of RC structures with buckling-restrained braced frames**  
Erdil E. F., Özçelik R., Erdal F.  
BULLETIN OF EARTHQUAKE ENGINEERING, vol.21, no.16, pp.1-33, 2023 (SCI-Expanded)
- II. **Design of buckling restrained braces with composite technique**  
ÖZÇELİK R., Dikiciasik Y., Civelek K. B., ERDİL E. F., ERDAL F.  
STEEL AND COMPOSITE STRUCTURES, vol.35, no.5, pp.687-699, 2020 (SCI-Expanded)
- III. **Pseudodynamic Test of a Deficient RC Frame Strengthened with Buckling Restrained Braces**  
ÖZÇELİK R., ERDİL E. F.  
EARTHQUAKE SPECTRA, vol.35, no.3, pp.1163-1187, 2019 (SCI-Expanded)
- IV. **The development of the buckling restrained braces with new end restrains**  
ÖZÇELİK R., Dikiciasik Y., ERDİL E. F.  
JOURNAL OF CONSTRUCTIONAL STEEL RESEARCH, vol.138, pp.208-220, 2017 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Analysis of RC Structures Retrofitted with Buckling Restrained Braces**  
ÖZÇELİK R., ERDİL E. F.  
International Journal of Civil Engineering and Architecture, vol.3, no.1, pp.34-45, 2017 (Peer-Reviewed Journal)
- II. **Nonlinear Time History Analysis of RC Frame Retrofitted with Buckling Restrained Braces**  
ÖZÇELİK R., ERDİL E. F.  
International Journal of Civil Engineering and Architecture, vol.3, no.1, pp.46-54, 2017 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **The Vibration Tests of a 3-Dimensional Deficient Reinforced Concrete Structure**  
Çam M., Şener D., ERDİL E. F., ÖZÇELİK R.  
4th Eurasian Conference on Civil and Environmental Engineering, İstanbul, Turkey, 17 - 18 June 2019, pp.628-634
- II. **The Design, Construction and Cyclic Testing of an Externally Retrofitted 3-Dimensional Reinforced Concrete Structure**  
ERDİL E. F., Çam M., Şener D., ÖZÇELİK R.  
4th Eurasian Conference on Civil and Environmental Engineering (ECOCEE), İstanbul, Turkey, 17 - 18 June 2019, pp.647-658
- III. **The Cyclic Testing of a 3D Scaled Deficient Reinforced Concrete Structure**  
ERDİL E. F., ÖZÇELİK R.  
International Congress on Engineering and Architecture, Antalya, Turkey, 14 - 16 November 2018, pp.1433-1438
- IV. **The Effect of Masonry Infill Walls on the Numerical Modeling of Reinforced Concrete Structure**  
ERDİL E. F., ÖZÇELİK R.  
International Congress on Engineering and Architecture, Antalya, Turkey, 14 - 16 November 2018, pp.1428-1432
- V. **Buckling Restrained Braces with Composite Design Technique**  
ÖZÇELİK R., ERDİL E. F.  
3rd International Conference on Civil and Environmental Engineering, İzmir, Turkey, 24 - 27 April 2018, vol.2, pp.638-647

- VI. **The Effect of Concrete Models on Dynamic Analysis of Deficient RC Structures**  
ERDİL E. F., ÖZÇELİK R.  
12th International Congress on Advances in Civil Engineering, İstanbul, Turkey, 21 - 23 September 2016, pp.80
- VII. **Pseudo Dynamic Test of RC Frame Retrofitted With Buckling Restrained Brace**  
ÖZÇELİK R., ERDİL E. F., CİVELEK K. B.  
12th International Congress on Advances in Civil Engineering, İstanbul, Turkey, 21 - 23 September 2016, pp.42
- VIII. **Yapı-Zemin Etkileşiminin Antalya İl Ölçeğinde İncelenmesi**  
ERDİL E. F., ACAR M. H.  
Zemin Mekaniği ve Temel Mühendisliği 2. Özel Konulu Sempozyumu, Antalya, Turkey, 24 - 25 April 2014, pp.257-262

## Supported Projects

Özçelik R., Erdal F., Aydoğdu İ., TUBITAK Project, Development of External Reinforcement Methods with Buckling Prevented Steel Braces of Reinforced Concrete Structures, 2017 - 2020  
Özçelik R., Topkaya C., Binici B., TUBITAK Project, Burkulması Engellenmiş Çelik Çaprazların Geliştirilmesi ve Betonarme Binaların Depreme Karşı Güçlendirilmesinde Kullanımının Araştırılması, 2013 - 2016

## Scientific Refereeing

Structures and Buildings, SCI Journal, April 2019

## Metrics

Publication: 14  
Citation (WoS): 21  
Citation (Scopus): 52  
H-Index (WoS): 2  
H-Index (Scopus): 3

## Congress and Symposium Activities

OpenSees Online Workshop, Attendee, Antalya, Turkey, 2020  
Connection Details and Agenda Workshop Integrated Techniques for the Seismic Strengthening and Energy Efficiency of Existing Buildings (VIDEOCONFERENCE), Attendee, Antalya, Turkey, 2020  
International Congress on Engineering and Architecture, Attendee, Antalya, Turkey, 2018  
12th International Congress on Advances in Civil Engineering, Attendee, İstanbul, Turkey, 2016  
Zemin Mekaniği ve Temel Mühendisliği 2. Özel Konulu Sempozyumu, Attendee, Antalya, Turkey, 2014  
Zemin Mekaniği ve Temel Mühendisliği 14. Ulusal Kongresi, Attendee, Isparta, Turkey, 2012