

## Res. Asst. ALİHAN BALTACI

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### International Researcher IDs

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### Education Information

Doctorate, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, Turkey 2022 - Continues  
Postgraduate, Istanbul Technical University, Afet Yönetimi Enstitüsü, Deprem Mühendisliği, Turkey 2019 - 2022  
Undergraduate, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, Turkey 2014 - 2019

### Research Areas

Buildings (industrial, commercial and public), Structural Engineering, Steel Structures, Earthquake Engineering, Concrete Structures, Repair and Strengthening in Buildings

### Academic Titles / Tasks

Research Assistant, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2022 - Continues

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

- I. **Investigation of the Effects of Sprinkler System in Automated Vehicle Parking Structures Using Performance-Based Fire Assessment**  
ALTUNIŞIK A. C., Mostofi S., BALTACI A., AKBULUT Y. E., OKUR F. Y.  
FIRE TECHNOLOGY, vol.61, no.2, pp.681-708, 2025 (SCI-Expanded)
- II. **Performance-based fire assessment of a fully automated multi-storey steel parking structure: A computational approach**  
Mostofi S., Baltacı A., Akbulut Y. E., Okur F. Y., Altunışık A. C.  
CASE STUDIES IN THERMAL ENGINEERING, vol.60, 2024 (SCI-Expanded)
- III. **Field Observations and Damage Evaluation in Reinforced Concrete Buildings After the February 6th, 2023, Kahramanmaraş-Türkiye Earthquakes**  
Altunışık A. C., Arslan M. E., Kahya V., Aslan B., Sezdirmez T., Dok G., Kirtel O., Öztürk H., Sunca F., Baltacı A., et al.  
JOURNAL OF EARTHQUAKE AND TSUNAMI, vol.17, no.6, 2023 (SCI-Expanded)

### Articles Published in Other Journals

- I. **On the earthquake-related damages of civil engineering structures within the areas impacted by Kahramanmaraş earthquakes**  
ATMACA B., Arslan M. E., EMİROĞLU M., ALTUNIŞIK A. C., ADANUR S., DEMİR A., GÜNAYDIN M., TOPLU E., TATAR T., KAHYA V., et al.  
Journal of Structural Engineering & Applied Mechanics (Online), vol.6, no.2, pp.98-116, 2023 (Peer-Reviewed Journal)

## Papers Published in Refereed Scientific Meetings

- I. **Betonarme Çerçevelerde Aşamalı Göçme Davranışının Deneysel Yöntemlerle İncelenmesi**  
KEÇECİ B., BALTAÇI A., SUNCA F., OKUR F. Y., AKBULUT Y. E., ALTUNIŞIK A. C.  
9. Yapı Mekaniği Laboratuvarları Çalıştayı, Düzce, Turkey, 19 October 2024, pp.87-89
- II. **Enerji İletim Altyapısı Elemanlarının (420kV AT 420 Tip Akım Transformatorü) Yapısal ve Sismik Performanslarının Statik İtme ve Sarsma Masası Deneyleri ile Değerlendirilmesi ve Yenilikçi Yöntemlerle İyileştirilmesi**  
OKUR F. Y., SUNCA F., KEÇECİ B., BALTAÇI A., KARAHASAN A. K., ŞAHİN M. C., ŞEN D., ÖREN S., YILMAZ Y., DEMİR S., et al.  
9. Yapı Mekaniği Laboratuvarları Çalıştayı, Düzce, Turkey, 19 October 2024, pp.233-238
- III. **Thermo-Mechanical Analysis of a Multi-Story Steel Structure Using OpenSees for Fire**  
Baltacı A., Mostofi S., Akbulut Y. E., Okur F. Y., Altunışık A. C.  
3rd International Civil Engineering & Architecture Conference (ICEARC'23), Trabzon, Turkey, 12 - 14 October 2023, vol.1, pp.1032-1038
- IV. **Evaluating Sprinkler System Effectiveness in Fire Performance of Automated Car Park Structures**  
Akbulut Y. E., Mostofi S., Baltacı A., Okur F. Y., Altunışık A. C.  
3rd International Civil Engineering & Architecture Conference (ICEARC'23), Trabzon, Turkey, 12 - 14 October 2023, vol.1, pp.1252-1259

## Metrics

Publication: 8

Citation (Scopus): 18

H-Index (Scopus): 1