

## Res. Asst. PhD ZAFER KURT

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: HTQ-0094-2023

ScopusID: 57919212600

Yoksis Researcher ID: 278221

### Education Information

Doctorate, Recep Tayyip Erdogan University, Mühendislik Fakültesi, İnşaat Mühendisliği, Turkey 2019 - Continues

Postgraduate, Karadeniz Technical University, Turkey 2016 - 2019

Undergraduate, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, Turkey 2011 - 2016

### Foreign Languages

English, B2 Upper Intermediate

### Certificates, Courses and Trainings

Education Management and Planning, PRİMEVERA P6, TRABZON İNŞAAT MÜHENDİSLERİ ODASI, 2016

Education Management and Planning, AUTOCAD, DÜNYA BİLGİSAYAR, 2015

### Dissertations

Postgraduate, ANKASTRE VE SÜRTÜNMELİ SARKAÇ MESNETLİ BİNALARIN DİNAMİK DAVRANIŞLARININ TÜRKİYE BİNA DEPREM YÖNETMELİĞİ 2018' E GÖRE BELİRLENMESİ, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2019

### Research Areas

Civil Engineering, Structure, Structural Engineering, Steel Structures, Earthquake Engineering, Concrete Structures, Engineering and Technology

### Academic Titles / Tasks

Research Assistant, Recep Tayyip Erdogan University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2018 - Continues

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

- I. **Effect of Wrapping Thickness and Type on Reinforced Bridge Piers: A Numerical Study**  
Gürbüz A., Ustabaş İ., Kurt Z., Deşik F., Çakmak T.  
PERIODICA POLYTECHNICA. CIVIL ENGINEERING, vol.68, pp.1064-1072, 2024 (SCI-Expanded)
- II. **Heavy aggregate and different admixtures effect on parquets: chrome, magnetite, and quartz-based surface hardener**  
Ustabaş İ., Erdoğan Ş., Üçok M., Kurt Z., Çakmak T.  
REVISTA DE LA CONSTRUCCION, vol.23, no.2, pp.230-245, 2024 (SCI-Expanded)
- III. **Predicting Mechanical Properties in Geopolymer Mortars, Including Novel Precursor Combinations, Through XGBoost Method.**  
Yılmaz Y., Çakmak T., Kurt Z., Ustabaş İ.  
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.1, no.1, pp.1-25, 2024 (SCI-Expanded)
- IV. **Geopolymer mortars having glassy materials considering mechanical and microstructural features**  
Çakmak T., Ustabaş İ., Kurt Z., Yılmaz E.  
JOURNAL OF BUILDING ENGINEERING, vol.91, pp.1-15, 2024 (SCI-Expanded)
- V. **Heavy aggregate and different admixtures effect on pavings: pyrite, corundum and water-retaining polymer**  
Ustabaş İ., Erdoğan Ş., Akyüz C., Kurt Z., Çakmak T.  
REVISTA DE LA CONSTRUCCION, vol.23, no.1, pp.31-46, 2024 (SCI-Expanded)
- VI. **The importance of early strength in structural applications: Obsidian-based geopolymer mortars and silica fume substitution study**  
ÇAKMAK T., USTABAŞ İ., KURT Z., GÜRBÜZ A.  
Structural Concrete, 2024 (SCI-Expanded)
- VII. **A novel framework for strength prediction of geopolymer mortar: Renovative precursor effect**  
Kurt Z., Yılmaz Y., Çakmak T., Ustabaş İ.  
Journal of Building Engineering, vol.76, 2023 (SCI-Expanded)
- VIII. **Novel binder material in geopolymer mortar production: Obsidian stone powder**  
Kurt Z., Ustabaş İ., Çakmak T.  
STRUCTURAL CONCRETE, vol.24, no.4, pp.5600-5613, 2023 (SCI-Expanded)
- IX. **Mechanical and radiation attenuation properties of conventional and heavy concrete with diverse aggregate and water/cement ratios**  
Ustabaş İ., Demirci M., Baltas H., Demir Y., Erdoğan Ş., Kurt Z., Çakmak T.  
GRADEVINAR, vol.74, no.8, pp.635-645, 2022 (SCI-Expanded)

## Articles Published in Other Journals

- I. **ESTIMATING THE COMPRESSIVE STRENGTH OF FLY ASH ADDED CONCRETE USING ARTIFICIAL NEURAL NETWORKS**  
Kurt Z., Gürbüz A., Çakmak T., Ustabaş İ.  
Celal Bayar Üniversitesi Fen Bilimleri Dergisi, vol.18, no.4, pp.365-369, 2022 (Peer-Reviewed Journal)
- II. **Rize Batıpark Soil Improvement and Strengthening**  
Çakmak T., Kurt Z., Yıldırım Y., Denizci F.  
Sciennovation, vol.3, no.1, pp.39-56, 2021 (Peer-Reviewed Journal)
- III. **Genetik Algoritma İle Açıklıkların Farklı Kombinasyonlarına Göre İç Kuvvetlerin Elde Edilmesi**  
Çakmak T., Yıldırım Y., Kurt Z.  
Sciennovation, vol.3, no.1, pp.1-14, 2021 (Peer-Reviewed Journal)
- IV. **A Case Study For Retaining Wall Design**  
Kurt M., Kurt Z., Yentimur M. F.  
Sciennovation, vol.2, no.1, pp.21-28, 2020 (Peer-Reviewed Journal)

- V. **BETONDA CFRP SARGI UYGULAMASININ DENEYSSEL VE ANALİTİK OLARAK KARŞILAŞTIRILMASI**  
Ustabaş İ., Gürbüz A., Kurt Z., Deşik F.  
Mühendislik Bilimleri ve Tasarım Dergisi, vol.8, no.3, pp.921-930, 2020 (Peer-Reviewed Journal)
- VI. **Performance Analysis of a Reinforced Concrete Frame System According to TBEC-2018**  
KURT Z., TONYALI Z.  
Sciennovation, vol.1, no.2, pp.6-22, 2020 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **CHARACTERIZATION OF EARLY-AGE MECHANICAL AND MICROSTRUCTURAL PROPERTIES OF GEOPOLYMER COMPOSITE MORTARS USING OBSIDIAN POWDER AS BINDER**  
Çakmak T., Kurt Z., Ustabaş İ.  
ASES II. INTERNATIONAL KAYSERI SCIENTIFIC RESEARCH CONFERENCE , Kayseri, Turkey, 26 - 28 January 2024, pp.1-9
- II. **ANOVA Method Reveals Key Factors Influencing Geopolymer Strength: A Comprehensive Evaluation of Input Variables**  
Yılmaz Y., Çakmak T., Kurt Z.  
7th International Symposium on Innovative Approaches in Smart Technologies, İstanbul, Turkey, 23 - 25 October 2023, pp.1-7
- III. **ATIK CAM VE UÇUCU KÜL İÇEREN GEOPOLİMER HARÇLARIN MEKANİK ÖZELLİKLERİNE KÜR SICAKLIĞININ ETKİSİ**  
Çakmak T., Kurt Z., Ustabaş İ., Erdoğan Ş.  
BETON 2023 KONGRESİ, İstanbul, Turkey, 8 - 10 November 2023, pp.596-606
- IV. **Investigation of mechanical properties of geopolymer concretes with obsidian powder, blast furnace slag and metakaolin**  
Kurt Z., Çakmak T., Ustabaş İ.  
İCEARC23, Trabzon, Turkey, 12 - 14 October 2023, pp.744-754
- V. **Köprü Ayaklarının CFRP Sargı ile Güçlendirilmesinde Beton Sınıfının Etkisi: İncesu Köprüsü Örneği**  
USTABAŞ İ., GÜRBÜZ A., KURT Z., Deşik F.  
International Online Conference on Engineering and Natural Sciences (IOCENS'21), Gümüşhane, Turkey, 05 July 2021
- VI. **Sismik İzolasyonlu Betonarme Bir Köprünün Dinamik Analiz Yöntemlerinin Kesit Tesirlerine Etkisi**  
Kurt Z., Ateş Ş.  
4. Köprüler Viyadükler Sempozyumu, Ankara, Turkey, 1 - 02 November 2019, pp.18-19
- VII. **Dynamic Analysis of Steel Highway Bridge Under Multi- Supported Excitations**  
KURT Z., TONYALI Z., ATEŞ Ş.  
8. Uluslararası Çelik Yapılar Sempozyumu, 24 - 26 October 2019
- VIII. **EARTHQUAKE ANALYSIS OF HOSPITAL BUILDING WITH SEISMIC ISOLATION TOTURKEY BUILDING EARTHQUAKE CODE 2018**  
KURT Z., ATEŞ Ş.  
INTERNATIONAL CIVIL ENGINEERING AND ARCHITECTURE CONFERENCE 2019, 17 - 20 April 2019

## Metrics

Publication: 25

Citation (Scopus): 11

H-Index (Scopus): 1