

## Res. Asst. EFE BARBAROS

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: AHH-3305-2022

ScopusID: 57219339951

Yoksis Researcher ID: 301019

### Education Information

Undergraduate, Ankara University, Dil Ve Tarih-Coğrafya Fakültesi, Batı Dilleri Ve Edebiyatları Bölümü, Turkey 2021 - Continues

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Turkey 2020 - Continues

Postgraduate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Turkey 2015 - 2019

Undergraduate, Gazi University, Mühendislik Fakültesi, İnşaat Mühendisliği, Turkey 2007 - 2014

### Foreign Languages

English, C1 Advanced

Italian, B1 Intermediate

### Dissertations

Postgraduate, FEASIBILITY OF PUMPED-STORAGE HYDRAULIC SYSTEMS BASED ON HOURLY VARIATION OF ELECTRICITY PRICES, Middle East Technical University, Analiz ve Fonksiyonlar Teorisi, 2019

### Research Areas

Hydraulic Structures, Pipeline Hydraulics, Open Channel Flow, Hydromechanics

### Academic Titles / Tasks

Research Assistant, Gazi University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2019 - Continues

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

- Experimental and Numerical Investigation on Flow and Scour Upstream of Pipe Intake Structures**  
Erat B., BARBAROS E., TAŞTAN K.

- Arabian Journal for Science and Engineering, vol.49, no.4, pp.5973-5987, 2024 (SCI-Expanded)
- II. **Flow boundary effects on scour characteristics upstream of pipe intakes**  
TAŞTAN K., Erat B., BARBAROS E., EROĞLU N.  
Ocean Engineering, vol.278, 2023 (SCI-Expanded)
- III. **Effect of intake geometry on the velocity distribution upstream of intakes**  
TAŞTAN K., Yıldırım G., BARBAROS E.  
SADHANA-ACADEMY PROCEEDINGS IN ENGINEERING SCIENCES, vol.47, no.2, 2022 (SCI-Expanded)
- IV. **Feasibility of pumped storage hydropower with existing pricing policy in Turkey**  
Barbaros E., AYDIN İ., Celebioglu K.  
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, vol.136, 2021 (SCI-Expanded)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Baraj Rezervuarlarının Basınçlı Yıkanması Sonucu Oluşan Oyulma Çukuru Geometrisinin Sayısal Olarak İncelenmesi**  
EROĞLU A. B., BARBAROS E., TAŞTAN K.  
INTERNATIONAL BLACK SEA MODERN SCIENTIFIC RESEARCH CONGRESS, Rize, Turkey, 29 September 2022, vol.1, pp.185-195
- II. **Numerical Simulation of Scour at Upstream of an Intake**  
Erat B., Barbaros E., Karataş M. M., Taştan K.  
ACE 2020-21 14th INTERNATIONAL CONGRESS ON ADVANCES IN CIVIL ENGINEERING, İstanbul, Turkey, 6 - 08 September 2021, vol.1, pp.712-719
- III. **Experimental Study on Scour Characteristics at Upstream of a Circular Intake**  
Erat B., Barbaros E., Karataş M. M., Taştan K.  
ACE 2020-21 14th INTERNATIONAL CONGRESS ON ADVANCES IN CIVIL ENGINEERING, İstanbul, Turkey, 6 - 08 September 2021, vol.1, pp.705-711
- IV. **Farklı Kesit Şekillerine Sahip Su Alma Ağzlarının Membasındaki Hız Dağılımlarının Sayısal Olarak İncelenmesi**  
Yıldırım G., Barbaros E., Taştan K.  
ORTA DOĞU 5. ULUSLARARASI MODERN BİLİMSEL ÇALIŞMALAR KONGRESİ, Ankara, Turkey, 27 - 28 March 2021, vol.1, pp.292-301
- V. **Vorteks Tipi Çökeltim Havuzlarının Akım Özelliklerinin ve Verimlerinin Karşılaştırılması**  
Barbaros E., Taştan K.  
ORTA DOĞU 5. ULUSLARARASI MODERN BİLİMSEL ÇALIŞMALAR KONGRESİ, Ankara, Turkey, 27 - 28 March 2021, vol.1, pp.302-311
- VI. **Is Pumped-Storage Hydropower Necessity For Turkey-A Short Review**  
BARBAROS E., AYDIN İ., ÇELEBİOĞLU T. K.  
International Conference on Energy, Environment and Storage of Energy (ICEESEN2020), Kayseri, Turkey, 19 November 2020, pp.31-37

## Supported Projects

- Taştan K., Barbaros E., TUBITAK Project, Hidrolik Emme Yoluyla Sıvı Haznelerinde Taban Sedimenti Temizliği Veriminin Başlık Kullanımıyla Arttırılması, 2024 - 2025
- Taştan K., Barbaros E., TUBITAK Project, REZERVUARLARIN BASINÇLI YIKANMASI SONUCU OLUŞAN OYULMA ÇUKURU GEOMETRİSİNİN VE UZAKLAŞTIRILAN SEDİMENT MİKTARININ İNCELENMESİ, 2021 - 2022

## **Scientific Refereeing**

Turkish Journal of Civil Engineering, Journal Indexed in SCI-E, July 2023

## **Metrics**

Publication: 10

Citation (WoS): 19

Citation (Scopus): 23

H-Index (WoS): 3

H-Index (Scopus): 3

## **Non Academic Experience**

Tractebel Engineering