

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, 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): 13

Citation (Scopus): 18

H-Index (WoS): 2

H-Index (Scopus): 3

Non Academic Experience

Tractebel Engineering