

Asst. Prof. SEVGİ ÖZEN KARSLI

Personal Information

Office Phone: [+90 464 223 6126](tel:+904642236126) Extension: 1240

Email: sevgi.ozen@erdogan.edu.tr

Web: <https://avesis.erdogan.edu.tr/sevgi.ozen>

International Researcher IDs

ORCID: 0000-0002-5699-3000

Yoksis Researcher ID: 59954

Education Information

Doctorate, Middle East Technical University, Mühendislik Fak, Jeoloji Muh/Mineraloji-Petrografi, Turkey 2008 - 2013

Postgraduate, Middle East Technical University, Mühendislik Fak, Jeoloji Muh/Mineraloji-Petrografi, Turkey 2005 - 2008

Undergraduate, Ankara University, Mühendislik Fak, Jeoloji Muh/Mineraloji-Petrografi, Turkey 1996 - 2000

Dissertations

Doctorate, POZZOLANIC ACTIVITY OF NATURAL ZEOLITES: MINERALOGICAL, CHEMICAL AND PHYSICAL CHARACTERIZATION AND EXAMINATION OF HYDRATION PRODUCTS, Middle East Technical University, Mühendislik Fakültesi, Jeoloji Muh/Mineraloji-Petrografi, 2013

Research Areas

Geological Engineering, Mineralogy-petrography, Mineralogy and Crystallography, Civil Engineering, Building materials, Materials in Civil Engineering, Metallurgical and Materials Engineering, Material science and engineering, Material Characterization, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Recep Tayyip Erdogan University, Mühendislik Fakültesi, Jeoloji Mühendisliği Bölümü, 2018 - Continues

Research Assistant, Middle East Technical University, Faculty Of Engineering, Jeoloji Mühendisliği, 2004 - 2013

Courses

Endüstriyel Mineraloji, Undergraduate, 2014 - 2015

Published journal articles indexed by SCI, SSCI, and AHCI

1. **Effect of characteristics of natural zeolites on their geopolymerization**
ÖZEN KARSLI S., UZAL B.

- CASE STUDIES IN CONSTRUCTION MATERIALS, vol.15, 2021 (SCI-Expanded)
- II. **Effect of mineralogical composition of clinoptilolite-bearing tuffs on their performance as a natural pozzolan in cementitious systems**
ÖZEN KARSLI S., UZAL B.
ADVANCES IN CONCRETE CONSTRUCTION, vol.12, no.1, pp.25-31, 2021 (SCI-Expanded)
- III. **Development and characterization of clinoptilolite-, mordenite-, and analcime-based geopolymers: A comparative study**
Özen Karşlı S., Gungor D.
CASE STUDIES IN CONSTRUCTION MATERIALS, vol.1, no.1, pp.576, 2021 (SCI-Expanded)
- IV. **Compressive Strength and Microstructural Characteristics of Natural Zeolite-Based Geopolymer**
Ozen S., Alam B.
PERIODICA POLYTECHNICA-CIVIL ENGINEERING, vol.62, no.1, pp.64-71, 2018 (SCI-Expanded)
- V. **A comprehensive evaluation of sedimentary zeolites from Turkey as pozzolanic addition of cement- and lime-based binders**
Ozen S., GÖNCÜOĞLU M. C., LIGUORI B., DE GENNARO B., CAPPELLETTI P., Gatta G. D., IUCOLANO F., COLELLA C.
CONSTRUCTION AND BUILDING MATERIALS, vol.105, pp.46-61, 2016 (SCI-Expanded)
- VI. **SEQUENTIAL FORMATION OF NATROLITE-GROUP ZEOLITES IN AMYGDULES OF BASALTIC LAVAS**
Ozen S., GÖNCÜOĞLU M. C.
CANADIAN MINERALOGIST, vol.53, no.4, pp.757-765, 2015 (SCI-Expanded)
- VII. **Origin of analcime in the Neogene Arikli Tuff, Biga Peninsula, NW Turkey**
ÖZEN S., Göncüoğlu M. C.
NEUES JAHRBUCH FÜR MINERALOGIE-ABHANDLUNGEN, vol.189, no.1, pp.21-34, 2012 (SCI-Expanded)

Articles Published in Other Journals

- I. **The effect of slag as mineral admixture on the compressive strength of calcined zeolite-based geopolymer**
Ozen S.
Gümüşhane Üniversitesi Fen Bilimleri Dergisi, vol.13, no.4, pp.939-948, 2023 (Peer-Reviewed Journal)
- II. **Vulkanik tüf esaslı geopolimerlerin basınç dayanımına kür süresi ve sıcaklığın etkileri**
Özen Karşlı S.
Gümüşhane Üniversitesi Fen Bilimleri Dergisi, vol.9, no.3, pp.388-392, 2021 (Peer-Reviewed Journal)
- III. **Pileki Taşı'nın (İyidere, Rize) geopolimer çimento üretiminde kullanım potansiyelinin araştırılması**
Özen Karşlı S.
Gümüşhane Üniversitesi Fen Bilimleri Dergisi, vol.11, no.2, pp.530-536, 2019 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Influence of calcination temperature of natural clinoptilolite on the properties of mechanical development**
Özen Karşlı S.
INTERNATIONAL CONFERENCE ON GLOBAL PRACTICE OF MULTIDISCIPLINARY SCIENTIFIC STUDIES-V, Baku, Azerbaijan, 10 - 12 December 2023, pp.1518-1528
- II. **The Use Of Natural Zeolites In Geopolymer Technology**
Özen Karşlı S.
7. INTERNATIONAL GÖBEKLİTEPE SCIENTIFIC RESEARCH CONGRESS, Şanlıurfa, Turkey, 11 - 12 November 2023, pp.232-242
- III. **EFFECT OF MATERIAL CALCINATION ON GEOPOLYMER SYNTHESIS**
Albayrak E., Özen Karşlı S.

INTERNATIONAL CONFERENCE ON GLOBAL PRACTICE OF MULTIDISCIPLINARY SCIENTIFIC STUDIES-IV, Girne, Cyprus (Kktc), 28 - 30 April 2023, pp.2092-2100

IV. **Natural Zeolite Based Geopolymer Cement: Mechanical Properties and Paste Microstructure**

ÖZEN KARSLI S., ALEESSA ALAM B.

ICOCEE – CAPPADOCIA 2017, 8 - 10 May 2017

V. **Pozzolanic activity of natural zeolite-bearing tuffs from NW Turkish deposits and parameters affecting their reactivity**

ÖZEN KARSLI S., UZAL B.

ICOCEE – CAPPADOCIA 2017, 8 - 10 May 2017

Supported Projects

ÖZEN KARSLI S., KANDEMİR R., ŞENGÜN F., Project Supported by Higher Education Institutions, Doğu Sakarya Zonu'nda Erken Paleozoyik Yaşlı Kayaçların Jeokimyası ve Önemleri, 2020 - 2022

Özen Karşlı S., TUBITAK Project, Parameters affecting geopolymeric reactivity of natural zeolites , 2016 - 2018

ÖZEN KARSLI S., YILDIZ E., Project Supported by Higher Education Institutions, PİLEKİ TAŞININ MİNERALOJİK PETROGRAFİK VE JEOKİMYASAL ÖZELLİKLERİ, 2016 - 2017

ÖZEN KARSLI S., Project Supported by Higher Education Institutions, Doğal zeolit içeren tüflerin mineralojik, fiziksel ve kimyasal özelliklerinin basınç dayanımı üzerindeki etkileri ve çimento hamuru ve harçlarının mikro yapıları ile ilişkilendirilmesi, 2014 - 2017

Metrics

Publication: 17

Citation (WoS): 33

Citation (Scopus): 32

H-Index (WoS): 3

H-Index (Scopus): 3