

## 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 Fakultesi, 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

- I. Effect of characteristics of natural zeolites on their geopolymmerization  
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 Karslı 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. Volkanik tuf esaslı geopolimerlerin basınç dayanımına kür süresi ve sıcaklığın etkileri  
Özen Karslı S.  
Gümüşhane Üniversitesi Fen Bilimleri Dergisi, vol.9, no.3, pp.388-392, 2021 (Peer-Reviewed Journal)
- III. Pileki Taşının (İyidere, Rize) geopolimer çimento üretiminde kullanım potansiyelinin araştırılması  
Özen Karslı 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 Karslı 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 Karslı 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 Karşılı 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 Yaşı Kayaçların Jeokimyası ve Önemleri, 2020 - 2022

Özen Karshı 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