

## Asst. Prof. YAVUZ ERGÜN

### Personal Information

**Email:** yavuz.ergun@usak.edu.tr

**Web:** <https://avesis.usak.edu.tr/yavuz.ergun>

### International Researcher IDs

ORCID: 0000-0001-5883-2078

Yoksis Researcher ID: 55296

### Education Information

Doctorate, Afyon Kocatepe University, Fen Bilimleri Enstitüsü, Metal Eğitimi (Dr), Turkey 2005 - 2010

Postgraduate, Anadolu University, Mühendislik Fakültesi, Seramik Mühendisliği Bölümü, Turkey 1996 - 2000

Undergraduate, Dokuz Eylül University, Mühendislik Fakültesi, Jeoloji Mühendisliği Bölümü, Turkey 1987 - 1993

### Dissertations

Doctorate, Titanyum yüzeyine sol-jel ve biyomimetik yöntemleriyle ince film şeklinde hidroksiapatitin kaplanması ve karakterizasyonu, Afyon Kocatepe University, Fen Bilimleri Enstitüsü, Metal Eğitimi (Dr), 2010

Postgraduate, Yer ve duvar karolarına çeşitli deflokulantların etkileri ve katı konsantrasyonunun artırılması, Anadolu University, Mühendislik Fakültesi, Seramik Mühendisliği Bölümü, 2000

### Academic Titles / Tasks

Assistant Professor, Usak University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 2011 - Continues

### Academic and Administrative Experience

Usak University, 2011 - 2017

### Courses

KİMYASAL TEKNOLOJİLER, Undergraduate, 2018 - 2019, 2017 - 2018

TEMEL ÖLÇÜMLER LABORATUVARI, Undergraduate, 2018 - 2019, 2017 - 2018

UZMANLIK ALAN DERSİ, Postgraduate, 2018 - 2019, 2017 - 2018

İLERİ KOMPOZİT MALZEMELER, Postgraduate, 2018 - 2019, 2017 - 2018

SANAYİDE GÜVENLİK, Undergraduate, 2018 - 2019

KOROZYON, Undergraduate, 2018 - 2019, 2017 - 2018

ANALİTİK KİMYA LABORATUVARI, Undergraduate, 2018 - 2019, 2017 - 2018

TEZ ÇALIŞMASI, Postgraduate, 2018 - 2019, 2017 - 2018

TEMEL MALZEME BİLİMİ, Undergraduate, 2018 - 2019, 2017 - 2018, 2013 - 2014

KOMPOZİT MALZEMELER, Undergraduate, 2017 - 2018

YÜKSEK TEKNOLOJİ SERAMİKLERİ, Postgraduate, 2017 - 2018

İŞ SAĞLIĞI VE GÜVENLİĞİ, Undergraduate, 2017 - 2018  
Genel jeoloji, Undergraduate, 2013 - 2014  
Mühendislik ekonomisi, Undergraduate, 2013 - 2014  
Fabrika organizasyonu, Undergraduate, 2013 - 2014  
Korozyon, Postgraduate, 2013 - 2014  
Termodinamik, Undergraduate, 2012 - 2013

## Articles Published in Other Journals

- I. **Studies On Toxicity Of Noscapine Loaded Hydroxyapatite Nanoparticles**  
Kölemek H., BULDUK İ., ERGÜN Y., KORCAN S. E., LİMAN R., KONUK M., KARABAĞ ÇOBAN F.  
Sigma Journal of Engineering and Natural Sciences, vol.41, no.4, pp.824-836, 2023 (Peer-Reviewed Journal)
- II. **Synthesis of Morphine Loaded Hydroxyapatite Nanoparticles (HAPs) and Determination of Genotoxic Effect for Using Pain Management**  
BULDUK İ., ERGÜN Y., KONUK M., KORCAN S. E., LİMAN R., KARABAĞ ÇOBAN F.  
JOURNAL OF PHARMACEUTICAL RESEARCH INTERNATIONAL, vol.25, no.6, pp.1-13, 2019 (Peer-Reviewed Journal)
- III. **Titanyum Yüzeyine Sol Jel Yöntemiyle Hidroksitapatit Kaplanması**  
ERGÜN Y., BAŞPINAR M. S., TAKTAK Ş., EVCİN A.  
Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, pp.15-21, 2009 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **INVESTIGATING GEOPOLYMER FOAM STRUCTURES ENHANCED WITH BORON WASTE CLAY**  
ERGÜN Y., ÇALIŞKAN H., KARALI H. İ.  
5th INTERNATIONAL AZERBAIJAN CONGRESS ON LIFE, ENGINEERING, AND APPLIED SCIENCES, 24 - 26 January 2024
- II. **EXPERIMENTAL ANALYSIS AND ASSESSMENT OF 5% BORON CONTAINING OPEN CELL GEOPOLYMER FILTER ON DIESEL ENGINE EMISSIONS**  
KARALI H. İ., ÇALIŞKAN H., ERGÜN Y.  
ABANT 2nd INTERNATIONAL CONFERENCE ON SCIENTIFIC RESEARCHES, Bolu, Turkey, 28 - 30 December 2023, pp.870-877
- III. **ENERGY ANALYSIS OF THE 5% BORON BASED AFTER TREATMENT SYSTEM INTEGRATED DIESEL ENGINE UNDER DIFFERENT SPEEDS**  
KARALI H. İ., ÇALIŞKAN H., ERGÜN Y.  
ABANT 2nd INTERNATIONAL CONFERENCE ON SCIENTIFIC RESEARCHES, Bolu, Turkey, 28 - 30 December 2023, pp.860-869
- IV. **Increasing The Of Wear Resistance Of Ground Tiles Using Natural Bone Rats**  
ERDOĞAN G. P., ERGÜN Y., GÖRKEM Ö., GÜNEŞ İ., ERESHOVA N.  
Symposium, Antalya, Turkey, 26 - 29 April 2018, vol.2, pp.426
- V. **Development and Validation of a New Spectrophotometric Method for the Determination of Rivastigmine in Pharmaceutical Formulations**  
ERGÜN Y., BULDUK İ., GÖKÇE S.  
"International Turkish Congress on Molecular Spectroscopy (TURCMOS2017)". Bodrum/TÜRKİYE, 26 - 29 August 2017
- VI. **Synthesis and Characterization of Noscapine Loaded Hydroxyapatite Nanoparticles**  
ERGÜN Y., BULDUK İ., GÖKÇE S.  
"International Turkish Congress on Molecular Spectroscopy (TURCMOS2017)", 26 - 29 August 2017
- VII. **AN INVESTIGATION ON DURABILITY AND BEND STRENGTH OF CEMENT CLINKERS INCLUDING METAKAOLIN IN VARIOUS CURE ENVIRONMENTS**

ERGÜN Y., MUSUKWA B., KARAHAN M. Y.

The 1st Of International Ines Academic Researches Congress (Ines 2016), 03 November 2016 - 05 January 2017

VIII. **Evaluating the Mechanical Properties of Boron Fluorine and Zircon combined Hydroxyapatite Composites on Titanium Substrate**

ERGÜN Y., YILDIRIR E.

The 1st Of International Ines Academic Researches Congress (Ines 2016), 03 November 2016 - 05 January 2017

IX. **Effects of Deflocculants on Floor and Wall Tiles and Increase of Solid Concentrations of Deflocculants**

ERGÜN Y., ÇANKAYA N.

I. International Academic Research Congress–INES–2016, 3 - 05 November 2016, pp.3528-3535

X. **DETECTING THE MECHANICAL PROPERTIES OF BORON FLUORINE AND ZIRCON COMBINED HYDROXYAPATITE COMPOSITES ON TITANIUM SUBSTRATE**

ERGÜN Y., YILDIRIR E.

1st INTERNATIONAL ACADEMIC RESEARCH CONGRESS (INES 2016), 3 - 05 November 2016

XI. **The Producing of hydroxyapatite HAP coating on 316LSS and Ti implant materials by sol gel method and examination of corrosion behaviours by electrochemical method 8th INTERNATIONAL ELECTROCHEMICAL MEETING**

BÜYÜKSAĞIŞ A., ERGÜN Y., ÇİFCİ N.

KİMYA KONGRESİ, 08 November 2009 - 11 November 2008

XII. **Titanyum Yüzeyine Sol Jel Yöntemiyle Bioaktif Hidroksiapatit Kaplanması**

ERGÜN Y., BAŞPINAR M. S., EVCİN A., TAKTAK Ş.

KONGRE, 26 - 28 November 2008

XIII. **Titanyum Yüzeyine Sol Jel Yöntemiyle Biriktirilen Biyoaktif Hidroksiapatit Kaplamalarının Adezyon Davranışının İncelenmesi**

ERGÜN Y., BAŞPINAR M. S., TAKTAK Ş.

KONGRE, Turkey, 16 - 20 October 2008

## Metrics

Publication: 19

## Artistic Activity

ERGÜN Y., Uluslararası Katılımlı Genç Seramikçiler Karo Yarışması, April 2010

## Non Academic Experience

UŞAK ÜNİVERSİTESİ