

## Personal Information

**Office Phone:** [+90 462 377 4295](tel:+904623774295) Extension: 4295

**Email:** elifkoc@ktu.edu.tr

**Web:** <https://avesis.ktu.edu.tr//elifkoc>

**Address:** Karadeniz Teknik Üniversitesi Maden Mühendisliği Bölümü 61080 TRABZON



## International Researcher IDs

ScholarID: kaCfqvwAAAAJ

ORCID: 0000-0001-8789-0007

Publons / Web Of Science ResearcherID: AAC-5747-2020

ScopusID: 56556233900

Yoksis Researcher ID: 240446

## Education Information

Doctorate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Maden Mühendisliği, Turkey 2016 - 2023

Postgraduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Maden Mühendisliği, Turkey 2013 - 2016

Undergraduate, Karadeniz Technical University, Mühendislik Fakültesi, Maden Mühendisliği, Turkey 2008 - 2012

## Certificates, Courses and Trainings

Education Management and Planning, JKSimMet Yazılımı Kırma-Öğütme Devrelerinde Kütle Denkliği ve Modelleme, KTÜ, 2016

Education Management and Planning, Proje Döngü Yönetimi Eğitimi, Teknoloji Transfer Ofisi, KTÜ, 2015

Education Management and Planning, ISO 19011 Kalite ve Çevre Yönetim Sistemleri Tetkiki Eğitimi Sertifikası, SİSBEL, 2014

Education Management and Planning, ISO 14001:2004 Çevre Yönetim Sistemi Temel Eğitimi Sertifikası, SİSBEL, 2014

Education Management and Planning, OHSAS 18001:2007 İş Sağlığı ve Güvenliği Yönetim Sistemi Eğitimi Sertifikası, SİSBEL, 2014

Education Management and Planning, ISO 9001:2008 Kalite Yönetim Sistemi Temel Eğitimi Sertifikası, SİSBEL, 2014

## Dissertations

Doctorate, Elektronik Atıklardan Metallerin Kazanımı İçin Yeni Bir Yöntemin Geliştirilmesi, Karadeniz Technical University, Fen Bilimleri Enstitüsü, 2023

Postgraduate, Siyanür Liçi Çözeltilerinden Metallerin Çöktürülmesi ve Siyanürün Geri Kazanımı, Karadeniz Technical University, -, Maden Mühendisliği, 2016

## Research Areas

Mining Engineering and Technology, Ore-Dressing, Comminution-Sizing-Classification, Benefication by Gravity, Dense-Medium, Magnetic and Electrostatic, Process and Plant Design, Chemical-Biological Winning Techniques and Mineral Processing, Engineering and Technology

## Academic Titles / Tasks

Assistant Professor, Karadeniz Technical University, Mühendislik Fakültesi, Maden Mühendisliği, 2024 - Continues

## Courses

Madencilik Uygulamaları - II, Undergraduate, 2023 - 2024

CEVHER HAZIRLAMA LAB - I, Undergraduate, 2024 - 2025

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

- I. **Effect of metals on recovery of gold from ammoniacal thiosulphate leach solutions by precipitation using trimercapto-s-triazine (TMT)**  
AHLATCI F., YILMAZ E., YAZICI E. Y., CELEP O., DEVECİ H.  
Hydrometallurgy, vol.226, 2024 (SCI-Expanded)
- II. **A novel method for the recovery of silver from thiosulphate leach solutions using trimercapto-s-triazine (TMT)**  
Ahlatici F., Yazici E. Y., Yilmaz E., Celep O., DEVECİ H.  
MINERALS ENGINEERING, vol.177, 2022 (SCI-Expanded)
- III. **Precipitation of copper from cyanide leach solutions using sodium dimethyldithiocarbamate (SDDC)**  
Yilmaz E., Yazici E. Y., AHLATCI F., Celep O., DEVECİ H.  
HYDROMETALLURGY, vol.202, 2021 (SCI-Expanded)
- IV. **Influence of Hydrofluoric Acid Leaching and Roasting on Mineralogical Phase Transformation of Pyrite in Sulfidic Mine Tailings**  
Koohestani B., Darban A. K., Mokhtari P., Darezereshki E., YILMAZ E., YILMAZ E.  
MINERALS, vol.10, no.6, pp.1-15, 2020 (SCI-Expanded)
- V. **Precipitation of zinc from cyanide leach solutions using Trimercapto-s-triazine (TMT)**  
Yazici E. Y., Ahlatci F., Yilmaz E., Celep O., Devenci H.  
HYDROMETALLURGY, vol.191, 2020 (SCI-Expanded)
- VI. **Atıklardan Siyanürün Geri Kazanımı: SART Prosesi**  
YILMAZ E., YAZICI E. Y., CELEP O., DEVECİ H.  
Gümüşhane Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.9, no.3, pp.600-615, 2019 (AHCI)
- VII. **Influence of fiber reinforcement on mechanical behavior and microstructural properties of cemented tailings backfill**  
Xue G., Yilmaz E., Song W., YILMAZ E.  
CONSTRUCTION AND BUILDING MATERIALS, pp.275-285, 2019 (SCI-Expanded)
- VIII. **Loading rate effect on uniaxial compressive strength behavior and acoustic emission properties of cemented tailings backfill**  
Cao S., Yilmaz E., Song W., YILMAZ E., Xue G.  
CONSTRUCTION AND BUILDING MATERIALS, pp.313-324, 2019 (SCI-Expanded)
- IX. **Recovery of silver from cyanide leach solutions by precipitation using Trimercapto-s-triazine (TMT)**  
YAZICI E. Y., YILMAZ E., AHLATCI F., CELEP O., DEVECİ H.  
HYDROMETALLURGY, vol.174, pp.175-183, 2017 (SCI-Expanded)
- X. **Treatment of copper-rich gold ore by cyanide leaching, ammonia pretreatment and ammoniacal**

## **cyanide leaching**

Bas A. D., Yılmaz E., Yazıcı E. Y., Deveci H.

TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA, vol.25, no.2, pp.597-607, 2015 (SCI-Expanded)

## **Articles Published in Other Journals**

- I. **LİÇ ATIKLARINDAN SİYANÜRÜN GERİ KAZANIMI YÖNTEMLERİ**  
YILMAZ E., YAZICI E. Y., CELEP O., DEVECİ H.  
Bilimsel Madencilik Dergisi, vol.58, pp.53-71, 2019 (Scopus)
- II. **SUSTAINABILITY AND TAILINGS MANAGEMENT IN THE MINING INDUSTRY: PASTE TECHNOLOGY**  
Yılmaz E., YILMAZ E.  
Mugla Journal of Science and Technology, vol.4, no.1, pp.16-26, 2018 (Peer-Reviewed Journal)
- III. **The influence of sodium and sulfate ions on total solidification and encapsulation potential of iron-rich acid mine drainage in silica gel**  
Koohestani B., Darban A. K., Darezereshki E., Mokhtari P., Yılmaz E., YILMAZ E.  
JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING, vol.6, pp.3520-3527, 2018 (Peer-Reviewed Journal)
- IV. **Atık Siyanür Çözeltilerinden Anyonik Reçineler İle Ağır Metallerin Adsorpsiyonu**  
AHLATCI F., YILMAZ E., YAZICI E. Y., CELEP O., DEVECİ H.  
Bilimsel Madencilik, pp.17-22, 2018 (Scopus)
- V. **RECOVERY OF CYANIDE FROM EFFLUENTS USING CARBON DIOXIDE**  
YILMAZ E., AHLATCI F., YAZICI E. Y., CELEP O., DEVECİ H.  
Mugla Journal of Science and Technology, vol.3, no.2, pp.171-177, 2017 (Peer-Reviewed Journal)

## **Refereed Congress / Symposium Publications in Proceedings**

- I. **Copper Removal from Cyanide Leach Solutions by Precipitation Using Trimercapto-s-Triazine (TMT)**  
YILMAZ E., AHLATCI F., YAZICI E. Y., CELEP O., DEVECİ H.  
1st International Mineral Processing Conference (IMPC)-Euroasia, 31 October - 02 November 2019
- II. **Recovery of Silver from Sulphate Leach Solutions of WEEE**  
YILMAZ E., YAZICI E. Y., CELEP O., DEVECİ H.  
16th International Mineral Processing Symposium and Exhibition (IMPS 2018), 23 - 25 October 2018
- III. **Mitigation of Acid Mine Drainage (AMD) Potential of Pyritic Tailings Using Sepiolite Waste**  
AHLATCI F., YILMAZ E., YAZICI E. Y., CELEP O., DEVECİ H.  
16th International Mineral Processing Symposium and Exhibition (IMPS 2018), 23 - 25 October 2018
- IV. **Solidification of acid mine drainage by sodium silicate**  
Koohestani B., Yılmaz E., YILMAZ E.  
Proceedings of the 25th International Conference on Tailings and Mine Waste, 30 - 02 October 2018, pp.1-7
- V. **Recovery of Cyanide from Effluents using Carbon Dioxide**  
YILMAZ E., AHLATCI F., YAZICI E. Y., CELEP O., DEVECİ H.  
International Symposium on Mining and Environment (ISME 2017), Muğla, Turkey, 27 - 29 November 2017, pp.843-854
- VI. **Environmental Characterisation of Mineral Processing Tailings**  
AHLATCI F., YILMAZ E., YAZICI E. Y., CELEP O., DEVECİ H.  
International Symposium on Mining and Environment (ISME), Muğla, Turkey, 27 - 29 September 2017, pp.957-967
- VII. **SART Process for Cyanide Recovery**  
YILMAZ E., AHLATCI F., YAZICI E. Y., CELEP O., DEVECİ H.  
International Symposium on Mining and Environment (ISME), Muğla, Turkey, 27 - 29 September 2017, pp.649-662
- VIII. **Passivation of Pyritic Tailings and Mitigation of its Acid Mine Drainage (AMD) Potential**  
YILMAZ E., AHLATCI F., YAZICI E. Y., CELEP O., DEVECİ H.

- International Symposium on Mining and Environment (ISME), Muğla, Turkey, 27 - 29 September 2017, pp.553-561
- IX. Adsorption of Heavy Metals from Waste Cyanide Solutions with Anionic Resins**  
AHLATCI F., YILMAZ E., YAZICI E. Y., CELEP O., DEVECİ H.  
International Symposium on Mining and Environment (ISME), Muğla, Turkey, 27 - 29 September 2017, pp.533-541
- X. Removal of Zinc from Cyanide Leach Solutions**  
YILMAZ E., AHLATCI F., KUZU M., YAZICI E. Y., CELEP O., DEVECİ H.  
International Black Sea Mining and Tunnelling Symposium, Trabzon, Turkey, 2 - 04 November 2016, pp.447-454
- XI. Recovery of Silver from Cyanide Leach Solutions of A Pyritic Gold Concentrate by Sodium Sulphide Precipitation**  
YILMAZ E., AHLATCI F., KUZU M., YAZICI E. Y., CELEP O., DEVECİ H.  
XV. International Mineral Processing Symposium, İstanbul, Turkey, 19 - 22 October 2016, pp.823-834
- XII. Sulphide Precipitation of Gold and Silver from Thiosulphate Leach Solutions**  
AHLATCI F., KOÇ E., YAZICI E. Y., CELEP O., DEVECİ H.  
XV. International Mineral Processing Symposium, İstanbul, Turkey, 19 - 22 October 2016, pp.750-760
- XIII. Pre treatment of a Copper rich Gold Ore for Elimination of Copper Interference**  
YAZICI E. Y., AHLATCI F., YILMAZ E., CELEP O., DEVECİ H.  
EMC 2015 - EMC - European Metallurgical Conference, 14 - 17 June 2015, pp.601-613
- XIV. INTERFERENCE OF METALS WITH THE DETERMINATION OF FREE CYANIDE**  
YILMAZ E., AHLATCI F., CELEP O., YAZICI E. Y., DEVECİ H.  
14th International Mineral Processing Symposium – Kuşadası, Turkey, Aydın, Turkey, 15 - 17 October 2014, pp.1027-1033

## Supported Projects

- Yazıcı E. Y., Deveci H., Celep O., EU Supported Other Project, End-of-life Li-ion battery management integration and technology evaluation (ELiMINATE) ( Atık Li-iyon pil yönetimi, entegrasyonu ve teknolojilerin değerlendirilmesi), 2021 - 2024
- YAZICI E. Y., YACİNE LAWAN İBRAHİM B. O., AHLATCI F., DEVECİ H., CELEP O., YILMAZ E., Project Supported by Higher Education Institutions, Atık Baskılı Devre Kartlarından Metallerin Havalı Ayırma ve Glisin Liçi ile Kazanımı, 2020 - 2024
- DEVECİ H., YAZICI E. Y., CELEP O., YILMAZ E., AHLATCI F., MSUMANGE D. A., Project Supported by Higher Education Institutions, İyon Değiştirici Reçineler Kullanılarak Yüksek Bakır İçeren Cevherlerden Altın Kazanımı, 2018 - 2021
- Celep O., Yazıcı E. Y., Deveci H., TUBITAK Project, Mermer Üretiminde Kullanılan Soket Atıklarından Sentetik Elmas Ve Metallerin Geri Kazanımı, 2017 - 2020
- YAZICI E. Y., DEVECİ H., AHLATCI F., KOÇ E., CELEP O., KUZU M., Project Supported by Higher Education Institutions, Elektronik Atıklardan Metallerin Gravite Ayırma Yöntemleri ile Geri Kazanımı, 2015 - 2019
- Deveci H., Celep O., TUBITAK Project, Altın Yüklü Liç Çözeltilerinin Saflaştırılması, Metallerin Uzaklaştırılması Ve Siyanürün Geri Kazanımı İçin Yeni Bir Yöntemin Gelistirilmesi, 2013 - 2017

## Metrics

- Publication: 29  
Citation (WoS): 326  
Citation (Scopus): 360  
H-Index (WoS): 7  
H-Index (Scopus): 7

## Congress and Symposium Activities

Uluslararası Cevher Hazırlama Sempozyumu (XVth International Mineral Processing Symposium), Attendee, İstanbul, Turkey, 2016

Uluslararası Cevher Hazırlama Sempozyumu (XIVth International Mineral Processing Symposium), Attendee, Aydın, Turkey, 2014

Uluslararası Cevher Hazırlama Sempozyumu (XIIIth International Mineral Processing Symposium), Attendee, Muğla, Turkey, 2012

## **Awards**

Yüksek Onur Öğrencisi, Karadeniz Teknik Üniversitesi Maden Mühendisliği Bölümü, June 2012