

## Prof. ERSİN YENER YAZICI

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: V-3572-2017

ScopusID: 14064299800

Yoksis Researcher ID: 124796

### Education Information

Doctorate, Karadeniz Technical University, Mühendislik Fakültesi, Maden Mühendisliği Anabilimdalı, Turkey 2005 - 2012

Postgraduate, Karadeniz Technical University, Mühendislik Fakültesi, Maden Mühendisliği Anabilimdalı, Turkey 2002 - 2005

Undergraduate, Karadeniz Technical University, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, Turkey 1998 - 2002

### Foreign Languages

English, C1 Advanced

### Certificates, Courses and Trainings

Quality Management, International Cyanide Management Code Conference (Uluslararası Siyanür Kodu Yönetimi Konferansı), International Cyanide Management Institute (ICMI)-Turkish Gold Miners Association, 2023

Project Management, Ufuk Avrupa Programına Yönelik Teorik ve Uygulamalı Proje Hazırlama Eğitimi (Project Preparation Course for Horizon Europe Programme), KTÜ TTM (organizasyon) - PwC Türkiye (eğitim) (3 tam gün), 2021

Project Management, Agile Project Management with PMI Standards (PMI Standartları ile Çevik Proje Yönetimi), 10-11 June, 2020, İzge Eğitim ve Danışmanlık (Instructor: Dilek Kocak) , 2020

Project Management, Project Management with PMI Standards (PMI Standartları ile Proje Yönetimi) 20-21 May, 2020, İzge Eğitim ve Danışmanlık (Instructor: Dilek Kocak), 2020

Data Analysis, Uygulamalı Veri Bilimi ve Görselleştirmeye Giriş Eğitimi (Introduction Course to Data Science and Visualisation) (Eğitmen/Instructor: Dr. Mustafa Kahraman), Gümüşhane Üniversitesi GÜSUD Koordinatörlüğü, 2019  
IT, Robotik Kodlama Temel Seviye, Türk Hava Kurumu Üniversitesi, 2019

Vocational Course, Leaching and Recovery of Gold Ores, Short course (2 days), Instructor: Dr. Michael Drozd, org. by Hacettepe Mineral Tech. (HMT), Ankara, 2018

Vocational Course, 3rd Electrochemical Impedance Spectroscopy (EIS) Workshop, Instructor: A/Prof. Dr. Burak Ulgut (Bilkent Univ., Dept. of Chemistry), Ankara, 2017

Vocational Course, Comminution & Control & Modelling in Mineral Processing,, Karadeniz Teknik Üniversitesi, 2016  
Vocational Course, Experiment to Modelling-Modelling to Plant Design-Design to Optimisation, certified by The Eng. Institute of Canada, Instructor: Dr. E. T. Tuzcu, org. by MPES Eng., Ankara, 2016  
Vocational Training, Mass Balance and Modelling in Comminution Circuits, Karadeniz Teknik Üniversitesi, 2016  
Vocational Training, USIMPAC Cevher Hazırlama Simülasyon Yazılımı Eğitimi, MPES Engineering, Ankara (2 gün), 2015  
Vocational Training, Kemometri (Chemometrics), Karadeniz Teknik Üniversitesi, 2012

## **Dissertations**

Doctorate, Recovery of metals from electronic wastes using physical separation and hydrometallurgical methods, Karadeniz Technical University, Mühendislik Fakültesi, Maden Mühendisliği, 2012  
Postgraduate, Removal of cyanide from wastewaters using hydrogen peroxide, activated carbon adsorption and ultrasonic waves, Karadeniz Technical University, Mühendislik Fakültesi, Maden Mühendisliği, 2005

## **Research Areas**

Environmental Chemistry and Technology, Mining Engineering and Technology, Ore-Dressing, Benefication by Gravity, Dense-Medium, Magnetic and Electrostatic, Chemical-Biological Winning Techniques and Mineral Processing, Metallurgical and Materials Engineering, Production Metallurgy, Recycling Processes, Hydrometallurgy

## **Academic Titles / Tasks**

Associate Professor, Karadeniz Technical University, Mühendislik Fakültesi, Maden Mühendisliği, 2018 - Continues  
Assistant Professor, Karadeniz Technical University, Mühendislik Fakültesi, Maden Mühendisliği, 2018 - 2018  
Assistant Professor, Karadeniz Technical University, Mühendislik Fakültesi, Maden Mühendisliği, 2013 - 2018  
Research Assistant, Karadeniz Technical University, Mühendislik Fakültesi, Maden Mühendisliği, 2002 - 2011

## **Academic and Administrative Experience**

Deputy Head of Department, Karadeniz Technical University, Mühendislik Fakültesi, Maden Mühendisliği, 2021 - 2023  
Rektörlük Kalite Komisyonu Üyesi, Karadeniz Technical University, Mühendislik Fakültesi, Maden Mühendisliği, 2021 - 2023

## **Courses**

Kentsel Atıkların Değerlendirilmesi (2022-2023), Doctorate, 2022 - 2023  
İstatistiksel Deney Tasarımı ve Veri Analizi (2022-2023), Doctorate, 2022 - 2023  
Cevher Hazırlama Laboratuvarı-I (2022-2023), Undergraduate, 2022 - 2023  
Cevher Hazırlama Laboratuvarı-II (2021-2022), Undergraduate, 2021 - 2022  
İstatistiksel Deney Tasarımı ve Veri Analizi (2021-2022; Bahar), Doctorate, 2021 - 2022  
Cevher Hazırlama Laboratuvarı-I (2020-2021), Undergraduate, 2020 - 2021  
Cevher Hazırlama Laboratuvarı-I (2021-2022), Undergraduate, 2021 - 2022  
Cevher Hazırlama Laboratuvarı-II (2020-2021), Undergraduate, 2020 - 2021  
İstatistiksel Deney Tasarımı ve Veri Analizi (2019-2020; Bahar), Doctorate, 2019 - 2020  
İstatistiksel Deney Tasarımı ve Veri Analizi (2021-2022; Güz), Doctorate, 2020 - 2021  
Cevher Hazırlama Laboratuvarı-II (2019-2020), Undergraduate, 2019 - 2020  
İstatistiksel Deney Tasarımı ve Veri Analizi (2018-2019 Bahar), Doctorate, 2018 - 2019

İstatistiksel Deney Tasarımı ve Veri Analizi (2019-2020; Güz), Doctorate, 2019 - 2020  
Cevher Hazırlama Laboratuvarı-I (2019-2020), Undergraduate, 2019 - 2020  
Ekstraktif Metalurji (2018-2019), Doctorate, 2018 - 2019  
Bitirme Projesi (2 modül (1.Çevre ve Atık Yönetimi, 2. Pompa Seçimi); 2017-2018), Undergraduate, 2017 - 2018  
İstatistiksel Deney Tasarımı ve Veri Analizi (2018-2019; Güz), Doctorate, 2018 - 2019  
Cevher Hazırlama Laboratuvarı-II (2017-2018), Undergraduate, 2017 - 2018  
Cevher Hazırlama Laboratuvarı-I (2018-2019), Undergraduate, 2018 - 2019  
Bitirme Projesi (2 modül (1.Çevre ve Atık Yönetimi, 2. Pompa Seçimi); 2016-2017), Undergraduate, 2016 - 2017  
Kentsel Atıkların Değerlendirilmesi (2016-2017), Doctorate, 2016 - 2017  
Cevher Hazırlama Laboratuvarı-I (2017-2018), Undergraduate, 2017 - 2018  
İstatistiksel Deney Tasarımı ve Veri Analizi (2017-2018), Doctorate, 2017 - 2018  
İstatistiksel Deney Tasarımı ve Veri Analizi (2016-2017), Doctorate, 2016 - 2017  
Bitirme Projesi (2 modül (1.Çevre ve Atık Yönetimi, 2. Pompa Seçimi); 2015-2016), Undergraduate, 2015 - 2016  
Cevher Hazırlama Laboratuvarı-I (2016-2017), Undergraduate, 2016 - 2017  
Cevher Hazırlama Laboratuvarı-I (2015-2016), Undergraduate, 2015 - 2016  
Cevher Hazırlama Laboratuvarı-I (2014-2015), Undergraduate, 2014 - 2015

## Advising Theses

Yazıcı E. Y., Recovery of Metals from Scrap Saw-blade Segments, Doctorate, F.Ahlatcı(Student), 2022  
Yazıcı E. Y., Refrakter Altın Cevherlerinin Basınç Oksidasyonu, Postgraduate, S.Mohamed(Student), 2019  
Yazıcı E. Y., Refrakter cevherlerden altın kazanımında liç performansının artırılması, Postgraduate, M.Kuzu(Student), 2019  
Yazıcı E. Y., Bakır ve pirit içeriği yüksek cevher ve konsantrelerden tiyosülfat liçi ile altın/gümüş kazanımı, Postgraduate, F.Ahlatcı(Student), 2016

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

- I. **Recovery of critical and strategic metals from scrap marble-cutting tools by oxidative leaching and precipitation**  
CELEP O., AHLATCI F., Yazici E. Y., DEVECİ H.  
SEPARATION AND PURIFICATION TECHNOLOGY, vol.338, 2024 (SCI-Expanded)
- II. **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)
- III. **The green reductive leaching of manganiferous iron ore and Mn<sub>3</sub>O<sub>4</sub> nanoparticles production: Kinetic modeling and comparison of various reductants**  
Karimi M., Karimi S., YAZICI E. Y.  
Journal of the Taiwan Institute of Chemical Engineers, vol.159, 2024 (SCI-Expanded)
- IV. **Extraction of cobalt from a cobaltiferrous pyrite concentrate using  $H_2SO_4-NaNO_3$  lixiviant system**  
Yaylali B., DEVECİ H., Yener Yazici E. Y., CELEP O.  
MINERALS ENGINEERING, vol.198, 2023 (SCI-Expanded)
- V. **Recovery of Au and Ag from the roasted calcine of a copper-rich pyritic refractory gold ore using ion exchange resins**  
Albert MSUMANGE D., Yener YAZICI E. Y., CELEP O., DEVECİ H., KRITSKII A., KARIMOV K.  
MINERALS ENGINEERING, vol.195, 2023 (SCI-Expanded)
- VI. **Effects of lead nitrate and pre-aeration on the deportment of base/precious metals in cyanide**

**leaching of a pyritic refractory gold concentrate**

DEVECİ H., YAZICI E. Y., CELEP O., Mercimek M., Demirel C., Çakmak S., Cingöz M. B., Kavlu Ö. H., Kömürcü H.  
Physicochemical Problems of Mineral Processing, vol.59, no.5, 2023 (SCI-Expanded)

- VII. **Recovery of base and precious metals from scrap TV boards using zigzag air separator**  
YAZICI E. Y., CELEP O., Ibrahim B. O. Y. L., DEVECİ H.  
Physicochemical Problems of Mineral Processing, vol.59, no.5, 2023 (SCI-Expanded)
- VIII. **Hydrothermal treatment of sphalerite and pyrite particles with CuSO<sub>4</sub> solution**  
Kritskii A., CELEP O., YAZICI E. Y., DEVECİ H., Naboichenko S.  
Minerals Engineering, vol.180, 2022 (SCI-Expanded)
- IX. **A novel method for the recovery of silver from thiosulphate leach solutions using trimercapto-s-triazine (TMT)**  
Ahlatci F., Yazici E. Y., Yilmaz E., Celep O., DEVECİ H.  
MINERALS ENGINEERING, vol.177, 2022 (SCI-Expanded)
- X. **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)
- XI. **A novel approach based on solvent displacement crystallisation for iron removal and copper recovery from solutions of semi-pilot scale bioleaching of WPCBs**  
Erust C., Akcil A., TUNCUK A., DEVECİ H., YAZICI E. Y., PANDA S.  
Journal of Cleaner Production, vol.294, 2021 (SCI-Expanded)
- XII. **Extraction of Metals from Scrap Marble Cutting Segments in Nitric Acid Solutions**  
CELEP O., Orak M., YAZICI E. Y., DEVECİ H.  
JOM, vol.73, no.3, pp.923-933, 2021 (SCI-Expanded)
- XIII. **A Multi-stage Process for Recovery of Neodymium (Nd) and Dysprosium (Dy) from Spent Hard Disc Drives (HDDs)**  
Erust C., Akcil A., Tuncuk A., Deveci H., Yazici E. Y.  
Mineral Processing and Extractive Metallurgy Review, vol.42, no.2, pp.90-101, 2021 (SCI-Expanded)
- XIV. **Precipitation of zinc from cyanide leach solutions using Trimercapto-s-triazine (TMT)**  
Yazici E. Y., Ahlatci F., Yilmaz E., Celep O., Deveci H.  
HYDROMETALLURGY, vol.191, 2020 (SCI-Expanded)
- XV. **Characterization of a refractory arsenical silver ore by mineral liberation analysis (MLA) and diagnostic leaching**  
CELEP O., YAZICI E. Y., ALTINKAYA P., DEVECİ H.  
HYDROMETALLURGY, vol.189, 2019 (SCI-Expanded)
- XVI. **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)
- XVII. **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)
- XVIII. **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)
- XIX. **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)
- XX. **Thiosulphate leaching of silver from an arsenical refractory ore**  
CELEP O., ALTINKAYA P., YAZICI E. Y., DEVECİ H.  
MINERALS ENGINEERING, vol.122, pp.285-295, 2018 (SCI-Expanded)
- XXI. **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)
- XXII. **Influence of polyoxometallates as additive on electro-winning of copper**  
EHSANI A, YAZICI E. Y., DEVECİ H.  
HYDROMETALLURGY, vol.162, pp.79-85, 2016 (SCI-Expanded)
- XXIII. **Improvement of Silver Extraction by Ultrafine Grinding Prior to Cyanide Leaching of the Plant Tailings of a Refractory Silver Ore**  
CELEP O., BAS A. D., YAZICI E. Y., ALP İ., DEVECİ H.  
MINERAL PROCESSING AND EXTRACTIVE METALLURGY REVIEW, vol.36, no.4, pp.227-236, 2015 (SCI-Expanded)
- XXIV. **Treatment of copper-rich gold ore by cyanide leaching, ammonia pretreatment and ammoniacal cyanide leaching**  
Bas A. D., Yılmaz E., Yazıcı E. Y., Devenci H.  
TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA, vol.25, no.2, pp.597-607, 2015 (SCI-Expanded)
- XXV. **Cupric chloride leaching (HCl-CuCl<sub>2</sub>-NaCl) of metals from waste printed circuit boards (WPCBs)**  
YAZICI E. Y., DEVECİ H.  
INTERNATIONAL JOURNAL OF MINERAL PROCESSING, vol.134, pp.89-96, 2015 (SCI-Expanded)
- XXVI. **Improvement of Silver Extraction by Ultra-fine Grinding prior to Cyanide Leaching of the Plant Tailings of a Refractory Silver Ore**  
CELEP O., BAŞ A. D., YAZICI E. Y., DEVECİ H., Alp İ.  
MINERAL PROCESSING AND EXTRACTIVE METALLURGY REVIEW, vol.36, pp.227-236, 2015 (SCI-Expanded)
- XXVII. **Ferric sulphate leaching of metals from waste printed circuit boards**  
YAZICI E. Y., DEVECİ H.  
INTERNATIONAL JOURNAL OF MINERAL PROCESSING, vol.133, pp.39-45, 2014 (SCI-Expanded)
- XXVIII. **Treatment of manufacturing scrap TV boards by nitric acid leaching**  
Bas A. D., DEVECİ H., YAZICI E. Y.  
SEPARATION AND PURIFICATION TECHNOLOGY, vol.130, pp.151-159, 2014 (SCI-Expanded)
- XXIX. **Ultra fine grinding of silver plant tailings of refractory ore using vertical stirred media mill**  
CELEP O., YAZICI E. Y.  
TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA, vol.23, no.11, pp.3412-3420, 2013 (SCI-Expanded)
- XXX. **Extraction of metals from waste printed circuit boards (WPCBs) in H<sub>2</sub>SO<sub>4</sub>-CuSO<sub>4</sub>-NaCl solutions**  
YAZICI E. Y., DEVECİ H.  
HYDROMETALLURGY, vol.139, pp.30-38, 2013 (SCI-Expanded)
- XXXI. **Bioleaching of copper from low grade scrap TV circuit boards using mesophilic bacteria**  
Bas A. D., DEVECİ H., YAZICI E. Y.  
HYDROMETALLURGY, vol.138, pp.65-70, 2013 (SCI-Expanded)
- XXXII. **Recovery of silver from X-ray film processing effluents by hydrogen peroxide treatment**  
Bas A. D., YAZICI E. Y., DEVECİ H.  
HYDROMETALLURGY, vol.121, pp.22-27, 2012 (SCI-Expanded)
- XXXIII. **Aqueous metal recovery techniques from e-scrap: Hydrometallurgy in recycling**  
TUNCUK A., Stazi V., AKÇİL A. U., YAZICI E. Y., DEVECİ H.  
MINERALS ENGINEERING, vol.25, no.1, pp.28-37, 2012 (SCI-Expanded)
- XXXIV. **Recovery of Silver from X-Ray Film Processing Effluents Using Trimercapto-s-triazine (TMT)**  
YAZICI E. Y., DEVECİ H., Yazıcı R.  
SEPARATION SCIENCE AND TECHNOLOGY, vol.46, no.14, pp.2231-2238, 2011 (SCI-Expanded)
- XXXV. **Leachable Characteristics of Arsenical Borogypsum Wastes and Their Potential Use in Cement Production**  
Alp İ., DEVECİ H., Sungun Y. H., YAZICI E. Y., Savas M., Demirci S.  
ENVIRONMENTAL SCIENCE & TECHNOLOGY, vol.43, no.18, pp.6939-6943, 2009 (SCI-Expanded)
- XXXVI. **Treatment of cyanide effluents by oxidation and adsorption in batch and column studies**  
YAZICI E. Y., DEVECİ H., ALP İ.  
JOURNAL OF HAZARDOUS MATERIALS, vol.166, pp.1362-1366, 2009 (SCI-Expanded)
- XXXVII. **Potential use of pyrite cinders as raw material in cement production: Results of industrial scale trial**

## operations

ALP İ., DEVECİ H., YAZICI E. Y., TÜRK T., Sungun Y. H.

JOURNAL OF HAZARDOUS MATERIALS, vol.166, no.1, pp.144-149, 2009 (SCI-Expanded)

### XXXVIII. **Generation of hydrogen peroxide and removal of cyanide from solutions using ultrasonic waves**

Yazici E. Y., Deveci H., Alp I., Uslu T.

DESALINATION, vol.216, pp.209-221, 2007 (SCI-Expanded)

### XXXIX. **Removal of cyanide from aqueous solutions by plain and metal-impregnated granular activated carbons**

Deveci H., Yazici E. Y., Alp I., Uslu T.

INTERNATIONAL JOURNAL OF MINERAL PROCESSING, vol.79, no.3, pp.198-208, 2006 (SCI-Expanded)

## Articles Published in Other Journals

- I. **A comparison of ion-exchange resins and activated carbon in recovering gold from cyanide leach solutions with low levels of copper**  
Msumange D. A., YAZICI E. Y., CELEP O., Devec H.  
BULLETIN OF THE MINERAL RESEARCH AND EXPLORATION, vol.168, pp.35-41, 2022 (ESCI)
- II. **Recovery of lithium from ores and brines**  
DEVECİ H., CELEP O., YAZICI E. Y.  
Scientific Mining Journal, vol.61, pp.105-120, 2022 (Scopus)
- III. **BAKIR İÇEREN SİYANÜR LİÇİ ÇÖZELTİLERİNDEN ALTININ SEÇİMLİ OLARAK KAZANIMINDA ADSORBANLARIN ETKİNLİĞİ**  
Msumange A. D., YAZICI E. Y., DEVECİ H., CELEP O.  
Scientific Mining Journal, vol.60, pp.21-30, 2021 (Scopus)
- IV. **Nadir toprak elementlerinin birincil ve ikincil kaynaklardan üretimi**  
CELEP O., YAZICI E. Y., DEVECİ H.  
Gümüşhane Üniversitesi Fen Bilimleri Dergisi, vol.11, pp.264-280, 2021 (Peer-Reviewed Journal)
- V. **Leaching behaviour of lithium from a clay sample of Kırka borate deposit in sulfuric acid solutions**  
Obut A., Ehsani İ., Aktosun Z., Yörükoğlu A., Girgin İ., Temel A., Deveci H.  
BOR DERGİSİ, vol.5, no.4, pp.170-175, 2020 (Peer-Reviewed Journal)
- VI. **KRİTİK METAL KONUMUNDAKİ KOBALTIN BİRİNCİL VE İKİNCİL KAYNAKLARDAN ÜRETİMİ**  
YAYLALI B., YAZICI E. Y., CELEP O., DEVECİ H.  
Bilimsel Madencilik Dergisi, vol.59, no.1, pp.35-50, 2020 (Scopus)
- VII. **INVESTIGATION OF THE AMENABILITY OF A COPPER-RICH REFRACTORY GOLD ORE TO CYANIDE LEACHING**  
Msumange D. A., Yazıcı E. Y., Celep O., Deveci H.  
Bilimsel Madencilik Dergisi, vol.59, no.4, pp.225-234, 2020 (Scopus)
- VIII. **Influence of a polycarboxylate based solution on stability of hydrogen peroxide and application to e-waste leaching**  
YAZICI E. Y.  
Acta Metallurgica Slovaca, vol.26, no.1, pp.17-23, 2020 (ESCI)
- IX. **Liç Atıklarından Siyanürün Geri Kazanımı Yöntemleri**  
YILMAZ E., YAZICI E. Y., CELEP O., DEVECİ H.  
BİLİMSEL MADENCİLİK DERGİSİ, vol.58, no.1, pp.53-71, 2019 (Scopus)
- X. **LİÇ ATIKLARINDAN SİYANÜRÜN GERİ KAZANIMI YÖNTEMLERİ**  
YILMAZ E., YAZICI E. Y., CELEP O., DEVECİ H.  
BİLİMSEL MADENCİLİK DERGİSİ, vol.58, no.1, pp.53-71, 2019 (Scopus)
- XI. **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)

- XII. **LİÇ ATIKLARINDAN SİYANÜRÜN GERİ KAZANIMI YÖNTEMLERİ**  
YILMAZ E., YAZICI E. Y., CELEP O., DEVECİ H.  
BİLİMSEL MADENCİLİK DERGİSİ, vol.58, no.1, pp.53-71, 2019 (Scopus)
- XIII. **Altın Cevherlerinin Karakterizasyonunda Kullanılan Mikro Analitik Yöntemler (Micro-Analytical Methods Used in Characterization Of Gold Ores), Bilimsel Madencilik Dergisi**  
CELEP O., BAŞ A. D., YAZICI E. Y., DEVECİ H.  
Bilimsel Madencilik, vol.57, no.4, pp.281-298, 2018 (Scopus)
- XIV. **Atık Siyanür Çözeltilerinden Anyonik Reçineler ile Ağır Metallerin Adsorpsiyonu**  
AHLATCI F., YILMAZ E., YAZICI E. Y., CELEP O., DEVECİ H.  
Bilimsel Madencilik, vol.57, pp.17-22, 2018 (Scopus)
- XV. **Atık Siyanür Çözeltilerinden Anyonik Reçineler ile Ağır Metallerin Adsorpsiyonu (Adsorption of Heavy Metals From Waste Cyanide Solutions With Anionic Resins)**  
AHLATCI F., YILMAZ E., YAZICI E. Y., CELEP O., DEVECİ H.  
Bilimsel Madencilik, vol.57, pp.17-22, 2018 (Scopus)
- XVI. **LİÇ ATIKLARINDAN SİYANÜRÜN GERİ KAZANIMI YÖNTEMLERİ**  
YILMAZ E., YAZICI E. Y., CELEP O., DEVECİ H.  
BİLİMSEL MADENCİLİK DERGİSİ, vol.58, no.1, pp.53-71, 2018 (Scopus)
- XVII. **Bakırlı Altın Cevherlerinden Altın Kazanımı**  
YAZICI E. Y., CELEP O., DEVECİ H.  
Madencilik Türkiye, vol.75, pp.146-150, 2018 (Non Peer-Reviewed Journal)
- XVIII. **Atık Siyanür Çözeltilerinden Anyonik Reçineler İle Ağır Metallerin Adsorpsiyonu**  
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- LXIV. INTERFERENCE OF METALS WITH THE DETERMINATION OFFREE 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
- LXV. Jarosite Precipitation of Iron from Leach Solutions of Waste Printed Circuit Boards (WPCBs)**  
YAZICI E. Y., BAŞ A. D., DEVECİ H.  
the XIV. International Mineral Processing Symposium And Exhibition (IMPS), Aydın, Turkey, 15 - 17 October 2014, pp.483-488
- LXVI. Waste to Resource Evaluation of Electrofiltration Dust in Bayer Process**  
CELEP O., YAZICI E. Y., DEVECİ H.  
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- LXVII. Metal İçeriği Yüksek Sülfat Çözeltilerinden Bakırın Çöktürülerek Kazanımı (Recovery of Copper from Metal-Rich Sulphate Solutions by Precipitation)**  
YAZICI E. Y., EHSANİ A., DEVECİ H.  
23rd International Mining Congress & Exhibition of Turkey (IMCET), Antalya, Turkey, 19 - 20 June 2013, pp.861-869
- LXVIII. Assessment of Environmental Impact Potential of Various Metallurgical Wastes**  
ALP İ., DEVECİ H., YAZICI E. Y., TÜRK T., CELEP O.  
Proceeding of the 23.th Int. Mining Congress and exhibition of Turkey, 16 - 19 May 2013
- LXIX. Investigation of some parameters affecting the ultra fine grinding of refractory silver ore tailings by stirred mill**  
CELEP O., YAZICI E. Y.  
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- LXX. **Metal İçeriği Yüksek Sülfat Çözeltilerinden Bakırın Çöktürülerek Kazanımı**  
YAZICI E. Y., EHSANİ A., DEVECİ H.  
23rd International Mining Congress Exhibition of Turkey (IMCET 2013), 19 - 20 April 2013
- LXXI. **Farklı Metalurjik Atıkların Çevresel Açından Değerlendirilmesi**  
ALP İ., DEVECİ H., YAZICI E. Y., TÜRK T., CELEP O.  
23rd International Mining Congress & Exhibition of Turkey, Antalya, Turkey, 16 - 19 April 2013, pp.1883-1891
- LXXII. **The influence of Impurity Ions on the Electrowinning of Copper from Waste PCBs Leaching Solutions**  
YAZICI E. Y., EHSANİ A., DEVECİ H.  
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- LXXIII. **Assessment of Ammoniacal Ammonium Sulphate Leaching as a Pretreatment Process for Copper Bearing Gold Ores**  
Bas A. D., Kucuk A., YAZICI E. Y., DEVECİ H.  
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- LXXIV. **Bacteria assisted Leaching of Waste Computer Printed Circuit Boards**  
YAZICI E. Y., CELEP O., DEVECİ H., Altinkaya P.  
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- LXXV. **Bacteria-assisted leaching of waste computer PCBs**  
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- LXXVI. **Preg-robbing Potential of Sulphide-bearing Gold Ores**  
BAŞ A. D., Altinkaya P., YAZICI E. Y., DEVECİ H.  
International Mineral Processing Symposium (IMPS 2012), Muğla, Turkey, 10 - 12 October 2012, pp.613-618
- LXXVII. **The Influence of Impurity Ions on The Electrowinning of Copper from Waste PCBs Leaching Solutions**  
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XIII. International Mineral Processing Symposium (IMPS), Muğla, Turkey, 10 - 12 October 2012, pp.443-449
- LXXVIII. **Bacteria-assisted Leaching of Waste Computer PCBs**  
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- LXXX. **Treatment of a Copper rich Gold ore by Ammonia assisted Cyanide Leaching**  
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- LXXXI. **Treatment of a Copper-Rich Gold Ore by Ammonia Assisted Cyanide Leaching**  
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- LXXXII. **Thiosulphate Leaching of A-Copper Rich Gold Ore**  
BAŞ A. D., Özdemir E., YAZICI E. Y., DEVECİ H., Celep O.  
International Mineral Processing & Environment Conference (EaMP), Ostrava, Czech Republic, 8 - 10 June 2011, pp.84-89
- LXXXIII. **Recovery of Copper from Scrap TV Boards by Eddy Current Separation**  
YAZICI E. Y., DEVECİ H., Yazıcı R., Greenway R., AKÇİL A. U.  
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- LXXXIV. **Ammoniacal Thiosulphate Leaching of a Copper rich Gold Ore**  
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- LXXXV. **Mines of Future E waste**  
YAZICI E. Y., DEVECİ H.  
Proceedings of the 22nd International Mining Congress of Turkey (IMCET2011), 11 - 13 May 2011, pp.441-448
- LXXXVI. **Geleceğin Madenleri: E-atıklar (Mines of Future: E-waste)**  
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22nd International Mining Congress and Exhibition of Turkey (IMCET), Ankara, Turkey, 11 - 13 May 2011, pp.441-448
- LXXXVII. **Removal of Cyanide from Solutions by Air Oxidation and Adsorption**  
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- LXXXVIII. **Extraction of Copper from Scrap TV Boards by Sulphuric Acid Leaching Under Oxidising Conditions**  
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Going Green-CARE INNOVATION, Viyana, Austria, 8 - 11 November 2010
- LXXXIX. **Evaluation of Preg robbing Potential of Refractory Gold Ores**  
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Proceedings of the XIIth. International Mineral Processing Symposium-IMPS 2010, Kapadokya, Turkey, 6 - 08 October 2010, pp.673-679
- XC. **Factors Affecting Decomposition of Hydrogen Peroxide**  
YAZICI E. Y., Üçüncü R., DEVECİ H.  
Proceedings of the XIIth. International Mineral Processing Symposium-IMPS 2010, Kapadokya, Turkey, 6 - 08 October 2010, pp.609-616
- XCI. **Oxidation of Ferrous Iron by Mesophilic and Thermophilic Bacteria**  
YAZICI E. Y., Üçüncü R., DEVECİ H.  
Proceedings of the XIIth. International Mineral Processing Symposium-IMPS 2010, Kapadokya, Turkey, 6 - 08 October 2010, pp.635-643
- XCII. **Extraction of Silver from Waste X ray Films by Thiosulphate Leaching**  
YAZICI E. Y., BAŞ A. D., DEVECİ H.  
Proceedings of the XIIth. International Mineral Processing Symposium, Kapadokya, Turkey, 6 - 08 October 2010, pp.741-748
- XCIII. **Eddy Current Separation of Metals from E wastes**  
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- XCIV. **Extraction of Silver from Waste X-ray Film by Thiosulphate Leaching**  
YAZICI E. Y., BAŞ A. D., DEVECİ H.  
International Mineral Processing Symposium (IMPS 2010), Nevşehir, Turkey, 6 - 08 October 2010, pp.741-748
- XCv. **Removal of Thiocyanate from Solutions by Precipitation**  
YAZICI E. Y., Üçüncü R., DEVECİ H.  
XXV. Int. Mineral Processing Congress, IMPC 2010, Brisbane, Australia, 6 - 10 September 2010, pp.4017-4023
- XCVI. **Characterisation of Computer Printed Circuit Boards for Hazardous Properties and Beneficiation Studies**  
YAZICI E. Y., Üçüncü R., DEVECİ H.  
XXV. Int. Mineral Processing Congress, IMPC 2010, Brisbane, Australia, 6 - 10 September 2010, pp.4009-4015
- XCvII. **Removal Of Cyanide From Solutions By Air Oxidation And Adsorption**  
YAZICI E. Y., DEVECİ H., ALP İ., YILMAZ T.

XXV. International Mineral Processing Congress, 21 - 23 October 2008

- XCVIII. **Yığın Liçi Çözeltilisinden Sementasyon ile Bakır Kazanımı Uygulaması: Helva Madeni (Bayburt) (Application of Cementation for the Recovery of Copper from Heap Leaching Solution: Helva Madeni (Bayburt))**  
YAZICI E. Y., ALP İ., DEVECİ H., TÜRK T., CELEP O.  
)). Doğu Karadeniz Bölgesi Maden Kaynaklarının Değerlendirilmesi Sempozyumu, Trabzon, Turkey, 14 - 16 September 2006, pp.305-307
- XCIX. **Doğu Karadeniz Bölgesi Akikleri ve Özellikleri**  
VICIL M., YALÇINALP B., YAZICI E. Y., CELEP O., YILMAZ T.  
Doğu Karadeniz Bölgesi Maden Kaynaklarını Değerlendirme Sempozyumu, Turkey, 14 - 16 September 2006
- C. **Atık Banyo Çözeltilerindeki Gümüşün Sementasyon ile Geri Kazanımı (Recovery of Silver from Waste Photographic Solutions by Cementation)**  
KIRMIZIKAN E., GULDAN G., YAZICI E. Y., ALP İ., DEVECİ H., DURAN C., CELEP O.  
Doğu Karadeniz Bölgesi Maden Kaynaklarının Değerlendirilmesi Sempozyumu, Trabzon, Turkey, 14 - 16 September 2006, pp.309-311
- CI. **Yığın Liçi Çözeltilisinden Sementasyon ile Bakır Kazanımı Uygulaması Helva Madeni Bayburt**  
YAZICI E. Y., ALP İ., DEVECİ H., YILMAZ T., CELEP O.  
Doğu Karadeniz Bölgesi Maden Kaynaklarını Değerlendirme Sempozyumu, Turkey, 14 - 16 September 2006
- CII. **Atık Banyo Çözeltilerindeki Gümüşün Sementasyon ile Geri Kazanımı**  
KIRMIZIKAN E., GULDAN G., YAZICI E. Y., ALP İ., DEVECİ H., DURAN C., CELEP O.  
Doğu Karadeniz Bölgesi Maden Kaynaklarının Değerlendirilmesi Sempozyumu, Trabzon, Turkey, 14 - 16 September 2006, pp.309-311
- CIII. **Factors Affecting Decomposition of Cyanide by Hydrogen Peroxide**  
YAZICI E. Y., DEVECİ H., ALP İ., USLU T., CELEP O.  
XXIII. Int. Mineral Processing Congress (IMPC), İstanbul, Turkey, 3 - 08 September 2006, vol.3, pp.2439-2444
- CIV. **Recovery of Gold From Mastra (Gümüşhane) Ore Using Centrifugal Gravity Concentrators**  
ALP İ., CELEP O., DEVECİ H., VICIL M., YAZICI E. Y.  
Xth International Mineral Processing Symposium (IMPS), İzmir, Turkey, 5 - 07 October 2004, pp.27-33
- CV. **Processing of Gold from Mastra (Gümüşhane-Turkey) Ore by Knelson Gravity Concentrator**  
ALP İ., CELEP O., DEVECİ H., YAZICI E. Y.  
International Conference of Modern Management of Mine Producing, Geology and Environmental Protection (SGEM), Varna, Bulgaria, 14 - 18 June 2004, pp.259-266
- CVI. **Determination of the Degree of Liberation and Optimum Grind Time of Kayabaşı Trabzon Turkey Cu Zn Massive Ore**  
ALP İ., YILMAZ T., YAZICI E. Y., CELEP O.  
International Conference of Modern Management of Mine Producing, Bulgaria, 9 - 13 June 2003

## Supported Projects

VAROL T., ÇANAĞCI A., DEVECİ H., YAZICI E. Y., ERDEMİR F., GÜLER O., AKÇAY S. B., AKSA H. C., ÇUVALCI H., Project Supported by Higher Education Institutions, Ti esaslı biyomalzeme atıklarından mekanik öğütme yöntemi ile yüksek katma değerli Ti tozlarının üretimi, 2022 - Continues

CELEP O., DEVECİ H., YAZICI E. Y., Project Supported by Higher Education Institutions, Lityum İyon Pillerden Hidrometalurjik Yöntemlerle Metallerin Geri Kazanımı, 2021 - Continues

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., Project Supported by Higher Education Institutions, Elektronik Atıklardan



Metallerin Geri Kazanımı İçin Yeni Reaktif Sistemlerinin Araştırılması, 2020 - 2024

Ahlatcı F., Yazıcı E. Y., Deveci H., Celep O., Project Supported by Higher Education Institutions, Atık Kesici Uçlardan Metallerin Geri Kazanımı, 2020 - 2022

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., CELEP O., KUZU M., DEVECİ H., Project Supported by Higher Education Institutions, Refrakter Cevherlerden Altın Kazanımında Liç Performansının Arttırılması, 2016 - 2019

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

YAZICI E. Y., Other International Funding Programs, Biotechnological Approach For Recovery Of Rare Earth Elements And Precious Metals From E-Waste – (BIOREEs), 2014 - 2018

YAZICI E. Y., TUBITAK Project, Altın Yüklü Liç Çözeltilerinin Saflaştırılması, Metallerin Uzaklaştırılması Ve Siyanürün Geri Kazanımı İçin Yeni Bir Yöntemin Geliştirilmesi (Development of a Novel Process for Solution Purification, Removal of Metals and Recovery of Cyanide from Gold-Laden Pregnant Leach Solutions), 2014 - 2017

YAZICI E. Y., TUBITAK Project, Refrakter Cevher ve Tesis Atıklarından İnce Öğütme Sonrası Siyanür ve Tiyosülfat Liçi İle Gümüşün Kazanımı (Silver recovery by thiosulphate and ultra-fine grinding from refractory ore and plant tailings), 2014 - 2016

TUBITAK Project, Elektronik Atıklardan Metallerin Fiziksel Ve Hidrometalurjik Yöntemlerle Geri Kazanımı (Recycling and Recovery of Metals from Electronic Wastes using Physical Separation and Hydrometallurgical Processes), 2009 - 2012

## Activities in Scientific Journals

Fırat Üniversitesi Deneysel ve Sayısal Mühendislik Dergisi / Fırat University Journal of Experimental and Computational Engineering(FUJECE), Committee Member, 2021 - Continues

Chemical and Materials Engineering, Committee Member, 2013 - Continues

## Memberships / Tasks in Scientific Organizations

Maden Mühendisleri Odası, Member, 2002 - Continues

COST Action, CA20133 - Cross-Border Transfer and Development of Sustainable Resource Recovery Strategies Towards Zero Waste (WG2 member), Member, 2021 - 2025, Belgium

COST Action, CA18224 - Green Chemical Engineering Network towards upscaling sustainable processes (MC member), Country Representative, 2019 - 2023, Belgium

The Australasian Institute of Mining and Metallurgy (AusIMM), Member, 2010 - 2011

## Scientific Refereeing

Communications Chemistry, Other Indexed Journal, May 2021

Journal of Rare Earths, SCI Journal, January 2020

Waste Management, SCI Journal, January 2020

Dokuz Eylül Üniversitesi (DEÜ) Mühendislik Fakültesi Fen ve Mühendislik Dergisi, National Scientific Refreed Journal, June 2019

Bilimsel Madencilik Dergisi, National Scientific Refreed Journal, June 2019

Waste Management, SCI Journal, June 2019

Resources, Conservation & Recycling, SCI Journal, May 2018

Water, Air, & Soil Pollution, SCI Journal, March 2018

Hydrometallurgy, SCI Journal, November 2017  
Çukurova Mühendislik-Mimarlık Fakültesi Dergisi, National Scientific Refreed Journal, May 2017  
Minerals & Metallurgical Processing, SCI Journal, May 2017  
Chemical Engineering and Processing: Process Intensification, SCI Journal, May 2017  
Waste Management, SCI Journal, April 2017  
Hydrometallurgy, SCI Journal, February 2017  
Waste Management, SCI Journal, August 2016  
Water, Air, & Soil Pollution, SCI Journal, March 2016  
Waste Management, SCI Journal, October 2015  
Waste Management, SCI Journal, September 2015  
Waste Management, SCI Journal, July 2015  
International Journal of Mineral Processing (IJMP), SCI Journal, April 2015  
Waste Management, SCI Journal, April 2015  
Environmental Science & Technology, SCI Journal, April 2015  
Hydrometallurgy, SCI Journal, January 2015  
Separation Science and Technology, SCI Journal, January 2015  
December 2014  
December 2014  
December 2014  
Waste Management, SCI Journal, January 2014  
Hydrometallurgy, SCI Journal, January 2014  
Hydrometallurgy, SCI Journal, January 2013

## Scientific Research / Working Group Memberships

Hydromet B&PM Research Group (Hydrometallurgy of Base and Precious Metals), KARADENİZ TEKNİK ÜNİVERSİTESİ, Turkey, www.hydrometbpm.com, 2010 - Continues

## Metrics

Publication: 192  
Citation (WoS): 1437  
Citation (Scopus): 1815  
H-Index (WoS): 18  
H-Index (Scopus): 19

## Congress and Symposium Activities

Madencilik Çalıştayı (Mining Workshop), 2019. Organised by Gümüşhane University, 17-18 October, Gümüşhane., Attendee, Gümüşhane, Turkey, 2019

Nadir Toprak Elementleri Çalıştayı (Rare Earth Elements Workshop), 2019. Organised by MUNTEAM (Munzur University Rare Earth Elements Application and Research Center) at Munzur University and FIRAT Development Agency, 20-21 June, Tunceli., Attendee, Tunceli, Turkey, 2019

1. Nadir Toprak Elementleri ve Toryum Çalıştayı (1. Rare Earth Elements and Thorium Workshop), 2019. Organised by ETİ MADEN General Directorate, 11-12 June, Kirka Boron Mine Works, Eskişehir., Attendee, Eskişehir, Turkey, 2019  
International Health-Care Waste Workshop, Organised by Turkish National Committee (Katu Atık Kirlenmesi Araştırma ve Denetimi Türk Milli Komitesi), Boğaziçi Üniv., ISWA and Kriton Curi Environment Foundation. Certified by Turkish National Committee on Solid Waste and International Solid Waste Association (ISWA) Health-Care Waste Working

Group, 24-27 September, Gaziantep, Attendee, Gaziantep, Turkey, 2018

TÜRK TAY (Türkiye'de Tüm Yönleriyle Atık Yönetimi Paneli), 21-22 October, Attendee, Ankara, Turkey, 2015

## **Scholarships**

Başarılı lisans öğrencileri için karşılıksız burs, Foundation, 1999 - Continues