

## **Prof. HACI DEVECİ**

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### **International Researcher IDs**

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Publons / Web Of Science ResearcherID: B-1179-2008

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### **Education Information**

Doctorate, University of Exeter, Camborne School Of Mines, Minerals Engineering, United Kingdom 1997 - 2001

Postgraduate, University of Exeter, Camborne School Of Mines, Minerals Engineering, United Kingdom 1996 - 1997

Undergraduate, Hacettepe University, Mühendislik Fakültesi, Maden Mühendisliği, Turkey 1989 - 1994

### **Foreign Languages**

English, C1 Advanced

### **Dissertations**

Doctorate, Bacterial Leaching of Complex Zinc/Lead Sulphides Using Mesophilic and Thermophilic Bacteria, University of Exeter, Camborne School Of Mines, Minerals Engineering, 2001

Postgraduate, Investigation of the Selective Dissolution of Metals from a Complex Sulphide Ore Using Acidic Ferric Sulphate Solutions and Acidophilic Bacteria, University of Exeter, Camborne School Of Mines, Minerals Engineering, 1997

### **Academic Titles / Tasks**

Professor, Karadeniz Technical University, Mühendislik Fakültesi, Maden Mühendisliği, 2013 - Continues

Associate Professor, Karadeniz Technical University, Mühendislik Fakültesi, Maden Mühendisliği, 2007 - 2013

Assistant Professor, Karadeniz Technical University, Mühendislik Fakültesi, Maden Mühendisliği, 2001 - 2007

### **Academic and Administrative Experience**

Karadeniz Technical University, Mühendislik Fakültesi, Maden Mühendisliği, 2013 - 2016

## Courses

Hydrometallurgy, Undergraduate, 2020 - 2021

Mining and Environment, Undergraduate, 2020 - 2021

Metallurgy, Undergraduate, 2020 - 2021

## Advising Theses

Deveci H., Investigation of new reagent systems for recovery of metals from electronic waste, Doctorate, E.YILMAZ(Student), 2023

Deveci H., ELEKTRONİK ATIKLARDAN METALLERİN GERİ KAZANIMI İÇİN YENİ HİDROMETALURJİK YÖNTEMLERİN ARAŞTIRILMASI, Doctorate, B.OMAR(Student), 2022

Deveci H., Atık kesici uçlardan oksitleyici asit liçi ile metallerin geri kazanımı, Postgraduate, M.ORAK(Student), 2019

Deveci H., Recovery of gold from copper-rich ores using ion exchange resins, Postgraduate, D.ALBERT(Student), 2019

Deveci H., Piritik atıklardan kobalt kazanımı, Postgraduate, B.YAYLALI(Student), 2017

Deveci H., Siyanür liçi çözeltilerinden metallerin çöktürülmesi ve siyanürün geri kazanımı, Postgraduate, E.KOÇ(Student), 2016

Deveci H., E-atıkların liçinden elde edilen çözeltilerden bakırın elektroliz ve çöktürme ile kazanımı, Postgraduate, A.EHSANİ(Student), 2014

Deveci H., Atık devre kartlarından bakırın biyoliç ve kimyasal liç yöntemleriyle geri kazanımı, Postgraduate, A.DENİZ(Student), 2012

Deveci H., Elektronik atıklardan metallerin fiziksel ve hidrometalurjik yöntemlerle geri kazanımı, Doctorate, E.YENER(Student), 2012

Deveci H., Atık sularındaki siyanürün hidrojen peroksit, aktif karbon adsorpsiyonu ve ses ötesi dalgalarla uzaklaştırılması, Postgraduate, E.YENER(Student), 2005

## 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. **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)
- IV. **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)
- V. **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)
- 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. **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)
- VIII. **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)
- IX. **Characterization and treatment of clayey waste using a sulfuric acid roasting-water leaching process for the extraction of lithium**  
OBUT A., Aktosun Z., Girgin I., DEVECİ H., Yorukoglu A.  
PHYSICOCHEMICAL PROBLEMS OF MINERAL PROCESSING, vol.58, no.4, 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. **Evaluation of geochemical behaviour of flooded cemented paste backfill of sulphide-rich tailings by dynamic-tank leaching test**  
Yilmaz T., Erçıkıdı B., Deveci H.  
INTERNATIONAL JOURNAL OF MINING RECLAMATION AND ENVIRONMENT, vol.35, no.5, pp.336-355, 2021 (SCI-Expanded)
- XII. **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)
- XIII. **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)
- XIV. **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)
- XV. **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)
- XVI. **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)
- 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. **Recent advances on hydrometallurgical recovery of critical and precious elements from end of life electronic wastes-a review**  
SETHURAJAN M., VAN HULLEBUSCH E. D., FONTANA D., Akcil A., DEVECİ H., BATINIC B., Leal J. P., Gasche T. A., KUCUKER M. A., KUÇHTA K., et al.  
CRITICAL REVIEWS IN ENVIRONMENTAL SCIENCE AND TECHNOLOGY, vol.49, no.3, pp.212-275, 2019 (SCI-Expanded)
- XX. **Utilisation of construction and demolition waste as cemented paste backfill material for underground mine openings**

- Yılmaz T., Erçıkdi B., Deveci H.  
JOURNAL OF ENVIRONMENTAL MANAGEMENT, vol.222, pp.250-259, 2018 (SCI-Expanded)
- XXI. **Extraction of metals from spent lithium ion batteries- Role of acid, reductant and process intensification in recycling**  
Meshram P., Abhilash A., Pandey B. D., Mankhand T. R., DEVECİ H.  
INDIAN JOURNAL OF CHEMICAL TECHNOLOGY, vol.25, no.4, pp.368-375, 2018 (SCI-Expanded)
- XXII. **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)
- XXIII. **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)
- XXIV. **Two stage leaching process for selective metal extraction from spent nickel metal hydride batteries**  
Meshram P., Somani H., Pandey B. D., Mankhand T. R., DEVECİ H., Abhilash A.  
JOURNAL OF CLEANER PRODUCTION, vol.157, pp.322-332, 2017 (SCI-Expanded)
- XXV. **Acid baking of spent lithium ion batteries for selective recovery of major metals: A two-step process**  
Meshram P., Abhilash A., Pandey B. D., Mankhand T. R., DEVECİ H.  
JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY, vol.43, pp.117-126, 2016 (SCI-Expanded)
- XXVI. **Comparison of Different Reductants in Leaching of Spent Lithium Ion Batteries**  
Meshram P., Abhilash A., Pandey B. D., Mankhand T. R., DEVECİ H.  
JOM, vol.68, no.10, pp.2613-2623, 2016 (SCI-Expanded)
- XXVII. **Influence of polyoxometallates as additive on electro-winning of copper**  
EHSANİ A., YAZICI E. Y., DEVECİ H.  
HYDROMETALLURGY, vol.162, pp.79-85, 2016 (SCI-Expanded)
- XXVIII. **Recovery of Gallium and Aluminum from Electrofilter Dust of Alumina Calcination Plant in Bayer Process**  
Okudan M. D., Akcil A., TUNCUK A., DEVECİ H.  
SEPARATION SCIENCE AND TECHNOLOGY, vol.50, no.16, pp.2596-2605, 2015 (SCI-Expanded)
- XXIX. **Paste backfill of high-sulphide mill tailings using alkali-activated blast furnace slag: Effect of activator nature, concentration and slag properties**  
CİHANGİR F., ERÇIKDI B., KESİMAL A., DEVECİ H., ERDEMİR F.  
MINERALS ENGINEERING, vol.83, pp.117-127, 2015 (SCI-Expanded)
- XXX. **Current scenario of chalcopyrite bioleaching: A review on the recent advances to its heap-leach technology**  
PANDA S., Akcil A., PRADHAN N., DEVECİ H.  
BIORESOURCING TECHNOLOGY, vol.196, pp.694-706, 2015 (SCI-Expanded)
- XXXI. **Gallium and vanadium extraction from red mud of Turkish alumina refinery plant: Hydrogarnet process**  
ABDULVALIYEV R. A., AKÇİL A. U., GLADYSHEV S. V., TASTANOV E. A., BEISEMBEKOVA K. O., Akhmediyeva N. K., DEVECİ H.  
HYDROMETALLURGY, vol.157, pp.72-77, 2015 (SCI-Expanded)
- XXXII. **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)
- XXXIII. **Recovery of vanadium and gallium from solid waste by-products of Bayer process**  
GLADYSHEV S. V., AKÇİL A. U., ABDULVALIYEV R. A., TASTANOV E. A., BEISEMBEKOVA K. O., TEMIROVA S. S., DEVECİ H.  
MINERALS ENGINEERING, vol.74, pp.91-98, 2015 (SCI-Expanded)
- XXXIV. **Effect of parameters on vanadium recovery from by-products of the Bayer process**  
Okudan M. D., Akcil A., TUNCUK A., DEVECİ H.

- HYDROMETALLURGY, vol.152, pp.76-83, 2015 (SCI-Expanded)
- XXXV. **Treatment of copper-rich gold ore by cyanide leaching, ammonia pretreatment and ammoniacal cyanide leaching**  
Bas A. D., Yilmaz E., Yazıcı E. Y., Deveci H.  
TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA, vol.25, no.2, pp.597-607, 2015 (SCI-Expanded)
- XXXVI. **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)
- XXXVII. **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 I.  
MINERAL PROCESSING AND EXTRACTIVE METALLURGY REVIEW, vol.36, pp.227-236, 2015 (SCI-Expanded)
- XXXVIII. **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)
- XXXIX. **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)
- XL. **Biohydrometallurgy of secondary metal resources: a potential alternative approach for metal recovery**  
Erust C., Akcil A., Gahan C. S., TUNCUK A., DEVECİ H.  
JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY, vol.88, no.12, pp.2115-2132, 2013 (SCI-Expanded)
- XLI. **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)
- XLII. **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)
- XLIII. **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)
- XLIV. **Utilisation of alkali-activated blast furnace slag in paste backfill of high-sulphide mill tailings: Effect of binder type and dosage**  
CİHANGİR F., ERÇIKDI B., KESİMAL A., Turan A., DEVECİ H.  
MINERALS ENGINEERING, vol.30, pp.33-43, 2012 (SCI-Expanded)
- XLV. **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)
- XLVI. **Recovery of Silver from X-Ray Film Processing Effluents Using Trimercapto-s-triazine (TMT)**  
YAZICI E. Y., DEVECİ H., Yazici R.  
SEPARATION SCIENCE AND TECHNOLOGY, vol.46, no.14, pp.2231-2238, 2011 (SCI-Expanded)
- XLVII. **Improved gold and silver extraction from a refractory antimony ore by pretreatment with alkaline sulphide leach**  
CELEP O., ALP İ., DEVECİ H.  
HYDROMETALLURGY, vol.105, pp.234-239, 2011 (SCI-Expanded)
- XLVIII. **Adsorptive removal of arsenite from water using nanomagnetite**  
TÜRK T., ALP İ., DEVECİ H.  
DESALINATION AND WATER TREATMENT, vol.24, pp.302-307, 2010 (SCI-Expanded)
- XLIX. **Alkaline Sulfide Pretreatment of an Antimonial Refractory Au-Ag Ore for Improved Cyanidation**  
ALP İ., CELEP O., DEVECİ H.  
JOM, vol.62, no.11, pp.41-44, 2010 (SCI-Expanded)

- L. **Utilization of water-reducing admixtures in cemented paste backfill of sulphide-rich mill tailings**  
ERÇIKDI B., CİHANGİR F., KESİMAL A., DEVECİ H., ALP İ.  
JOURNAL OF HAZARDOUS MATERIALS, vol.179, pp.940-946, 2010 (SCI-Expanded)
- LI. **Effect of natural pozzolans as mineral admixture on the performance of cemented-paste backfill of sulphide-rich tailings**  
ERÇIKDI B., CİHANGİR F., KESİMAL A., DEVECİ H., ALP İ.  
WASTE MANAGEMENT & RESEARCH, vol.28, no.5, pp.430-435, 2010 (SCI-Expanded)
- LII. **Adsorption of As(V) from Water Using Nanomagnetite**  
TÜRK T., Alp I., Deveci H.  
JOURNAL OF ENVIRONMENTAL ENGINEERING, vol.136, no.4, pp.399-404, 2010 (SCI-Expanded)
- LIII. **A Visual Insight into the Oxidation of Sulfide Minerals During Bioleaching and Chemical Leaching of a Complex Ore**  
DEVECİ H., Ball T.  
MINERAL PROCESSING AND EXTRACTIVE METALLURGY REVIEW, vol.31, no.3, pp.176-190, 2010 (SCI-Expanded)
- LIV. **Adsorption of As(V) from water using Mg-Fe-based hydrotalcite (FeHT)**  
TÜRK T., ALP İ., DEVECİ H.  
JOURNAL OF HAZARDOUS MATERIALS, vol.171, pp.665-670, 2009 (SCI-Expanded)
- LV. **Utilization of industrial waste products as pozzolanic material in cemented paste backfill of high sulphide mill tailings**  
ERÇIKDI B., CİHANGİR F., KESİMAL A., DEVECİ H., ALP İ.  
JOURNAL OF HAZARDOUS MATERIALS, vol.168, pp.848-856, 2009 (SCI-Expanded)
- LVI. **Leachable Characteristics of Arsenical Borogypsum Wastes and Their Potential Use in Cement Production**  
Alp I., 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)
- LVII. **POZZOLANIC CHARACTERISTICS OF A NATURAL RAW MATERIAL FOR USE IN BLENDED CEMENTS**  
ALP İ., DEVECİ H., Sungun Y. H., YILMAZ A. H., KESİMAL A., YILMAZ E.  
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY TRANSACTION B-ENGINEERING, vol.33, pp.291-300, 2009 (SCI-Expanded)
- LVIII. **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)
- LIX. **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)
- LX. **Characterization of refractory behaviour of complex gold/silver ore by diagnostic leaching**  
CELEP O., ALP İ., DEVECİ H., VICIL M.  
TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA, vol.19, no.3, pp.707-713, 2009 (SCI-Expanded)
- LXI. **Cemented paste backfill of sulphide-rich tailings: Importance of binder type and dosage**  
ERÇIKDI B., KESİMAL A., CİHANGİR F., DEVECİ H., ALP İ.  
CEMENT & CONCRETE COMPOSITES, vol.31, no.4, pp.268-274, 2009 (SCI-Expanded)
- LXII. **Utilization of flotation wastes of copper slag as raw material in cement production**  
ALP İ., DEVECİ H., SUNGUN H.  
JOURNAL OF HAZARDOUS MATERIALS, vol.159, pp.390-395, 2008 (SCI-Expanded)
- LXIII. **Effect of salinity and acidity on bioleaching activity of mesophilic and extremely thermophilic bacteria**  
DEVECİ H., Jordan M. A., Powell N., ALP İ.  
TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA, vol.18, no.3, pp.714-721, 2008 (SCI-Expanded)
- LXIV. **Recovery of gold from a free-milling ore by centrifugal gravity separator**  
ALP İ., CELEP O., DEVECİ H., Vicil M.

IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY TRANSACTION B-ENGINEERING, vol.32, pp.67-71, 2008 (SCI-Expanded)

- LXV. **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)
- LXVI. **Role and contribution of pure and mixed cultures of mesophiles in bioleaching of a pyritic chalcopyrite concentrate**  
Akcil A., Ciftci H., Deveci H.  
MINERALS ENGINEERING, vol.20, no.3, pp.310-318, 2007 (SCI-Expanded)
- LXVII. **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)
- LXVIII. **Bioleaching of complex zinc sulphides using mesophilic and thermophilic bacteria: comparative importance of pH and iron**  
Deveci H., Akcil A., Alp I.  
HYDROMETALLURGY, vol.73, pp.293-303, 2004 (SCI-Expanded)
- LXIX. **Effect of particle size and shape of solids on the viability of acidophilic bacteria during mixing in stirred tank reactors**  
Deveci H.  
HYDROMETALLURGY, vol.71, pp.385-396, 2004 (SCI-Expanded)
- LXX. **Effect of solids on viability of acidophilic bacteria**  
Deveci H.  
MINERALS ENGINEERING, vol.15, no.12, pp.1181-1189, 2002 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Recovery of lithium, cobalt and other metals from lithium-ion batteries**  
Celep O., Yazıcı E. Y., Deveci H.  
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.29, no.4, pp.384-400, 2023 (ESCI)
- II. **Utilization of Demolition Waste for Treatment of Acid Mine Drainage and Immobilization of Heavy Metals Released from Copper Flotation Tailings**  
TOZSİN G., KOÇ E., YAYLALI B., DEVECİ H.  
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- III. **Recovery of lithium from ores and brines**  
DEVECİ H., CELEP O., YAZICI E. Y.  
Scientific Mining Journal, vol.61, pp.105-120, 2022 (Scopus)
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## Supported Projects

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## Scientific Refereeing

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## **Metrics**

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## **Congress and Symposium Activities**

14th International Mineral Processing Symposium-IMPS 2014, Attendee, KUŞADASI, Turkey, 2014  
13th International Mineral Processing Symposium-IMPS 2012, Attendee, Muğla/Bodrum, Turkey, 2012



## Scholarships

Yurtdışı Yüksek Öğrenim Bursu, Ministry of Education, 1995 - 2001