

Prof. MURAT ERDEMOĞLU

Personal Information

Office Phone: [+90 422 377 3000](tel:+904223773000) Extension: 4839

Fax Phone: [+90 422 341 0046](tel:+904223410046)

Email: murat.erdemoglu@inonu.edu.tr

Web: <http://inonu.edu.tr/tr/murat.erdemoglu>

Address: İnönü Üniversitesi Mühendislik Fakültesi Maden Mühendisliği Bölümü 44280 Battalgazi Malatya

International Researcher IDs

ScholarID: dOdTCsYAAAAJ

ORCID: 0000-0003-2922-7965

Publons / Web Of Science ResearcherID: AAA-9964-2020

ScopusID: 6602405850

Yoksis Researcher ID: 2598

Education Information

Undergraduate, Anadolu University, Faculty Of Economics, Uluslararası İlişkiler, Turkey 2014 - 2018

Doctorate, Cumhuriyet Üniversitesi, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, Turkey 1993 - 1996

Postgraduate, Cukurova University, Mühendislik Mimarlık Fakültesi, Jeoloji Mühendisliği Bölümü, Turkey 1990 - 1992

Undergraduate, Hacettepe University, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, Turkey 1984 - 1990

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Other, Bilirkişilik Temel Eğitimi, İnönü Üniversitesi, 2017

Dissertations

Doctorate, Doğal stronsiyum sülfattan stronsiyum karbonat üretim parametrelerinin araştırılması Investigation of production parameters of strontium carbonate from natural strontium sulphate., Sivas Cumhuriyet University, Fen Bilimleri Enstitüsü, Maden Mühendisliği Bölümü, 1996

Postgraduate, Çevretepe (ceyhan, Adana) manganez yataklarının metalojenik incelenmesi Metallogenic investigation of manganese deposits of Çevretepe (Ceyhan, Adana, Turkey), Cukurova University, Bitkisel ve Hayvansal Üretim, Jeoloji Mühendisliği Bölümü Maden Yatakları Ve Jeokimya Ad, 1992

Research Areas

Mining Engineering and Technology, Ore-Dressing, Physical Chemistry of Extraction and Refining, Flotation and Flocculation, Chemical-Biological Winning Techniques and Mineral Processing, Engineering and Technology

Academic Titles / Tasks

Professor, Inonu University, Mühendislik Fakültesi, Maden Mühendisliği, 2012 - Continues
Associate Professor, Inonu University, Mühendislik Fakültesi, Maden Mühendisliği, 2004 - 2012
Assistant Professor, Inonu University, Mühendislik Fakültesi, Maden Mühendisliği, 1998 - 2004
Research Assistant, Inonu University, Mühendislik Fakültesi, Maden Mühendisliği, 1991 - 1998

Academic and Administrative Experience

Inonu University, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, 2017 - Continues
Inonu University, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, 2011 - 2017
Inonu University, Hekimhan Meslek Yüksek Okulu, 2000 - 2008

Courses

GİRİŞİMCİLİK, Undergraduate, 2019-2020
METALURJİ, Undergraduate, 2019-2020
Akışkanlar Mekaniği, Undergraduate, 2018 - 2019
MADEN MÜHENDİSLİĞİNDE İLERİ KONULAR, Undergraduate Minor, 2019-2020
İLERİ HİDROMETALURJİK UYGULAMALAR, Undergraduate Double Major, 2019-2020
MADENCİLİKTE ÇEVRE PLANLAMASI, Undergraduate, 2019-2020
Madencilikte Çevre Planlaması, Undergraduate, 2018 - 2019
AKIŞKANLAR MEKANİĞİ, Undergraduate, 2019-2020
MADENCİLİK ATIKLARININ DEĞERLENDİRİLMESİ, Undergraduate, 2019-2020
HİDROMETALURJİK SÜREÇLERİN TEMELLERİ, Undergraduate Double Major, 2019-2020
MALZEME BİLGİSİ, Undergraduate, 2019-2020
CEVHER HAZIRLAMA LABORATUVARI I, Undergraduate, 2019-2020
GENEL JEOLOJİ, Undergraduate, 2019-2020
Malzeme Bilgisi, Undergraduate, 2016 - 2017
İleri Hidrometalurjik Uygulamalar, Postgraduate, 2016 - 2017
Girişimcilik, Undergraduate, 2016-2017
Mineral Mühendisliğinde Mekanokimyasal Süreçler, Undergraduate Minor, 2013-2014
Metalurjik Katı Atıklar ve Hurdaların Değerlendirilmesi, Undergraduate Minor, 2013-2014
Malzeme Bilgisi, Undergraduate, 2013-2014
Cevher Hazırlama Laboratuvarı II, Undergraduate, 2013-2014
Akışkanlar Mekaniği, Undergraduate, 2013-2014
Cevher Hazırlama Laboratuvarı I, Undergraduate, 2013-2014
Madencilikte Çevre Planlaması, Undergraduate, 2013-2014
Metalurji, Undergraduate, 2013-2014
Çöktürme Süreçlerinin Kimyası, Undergraduate Minor, 2012-2013
Madencilik Atıklarının Değerlendirilmesi, Undergraduate, 2012-2013
İleri Hidrometalurjik Uygulamalar, Undergraduate Double Major, 2009-2010
Hidrometalurjik Süreçlerin Temelleri, Undergraduate Double Major, 2009-2010

Advising Theses

Erdemođlu M., Potasyum feldispattan potasyum klorür üretiminde mekanik aktivasyonun etkilerinin incelenmesi, Postgraduate, B.ALYOSIF(Student), 2021

Erdemođlu M., Pomzadan alümina üretiminin hidrometalurjik yöntemlerle araştırılması, Postgraduate, M.KÜRŞAT(Student), 2021

ERDEMOĐLU M., Zenginleştirilmiş Malatya-Pütürge pirofillit cevherinin alumina üretimi için aktifleştirilmesi, Postgraduate, R.Aydođmuş(Student), 2019

Erdemođlu M., Madencilik endüstrisinde uygulanan çevre yönetim sistemlerinin incelenmesi, Postgraduate, A.Aktaş(Student), 2019

ERDEMOĐLU M., Asit liç yöntemi ile pirofillit cevherinden alümina üretiminde aktifleştirme koşullarının araştırılması, Doctorate, T.Uysal(Student), 2018

ERDEMOĐLU M., Mermer sansiyi atıklarından yapay kalsiyum silikat üretiminde aşırı öğütmenin etkilerinin seramik malzemeler üzerinde araştırılması, Doctorate, M.Göktaş(Student), 2013

ERDEMOĐLU M., Mekanik aktivasyonun jipsin ($\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$) ısıl davranışına etkisi, Postgraduate, M.Şener(Student), 2012

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Beneficiation of Complex Zinc-Lead Ores from Görgü (Malatya, Turkey) Region by Selective Flotation**
Sis H., Kiyak T., Erdemođlu M., Demirkıran N., Aydođmuş R.
Mining, Metallurgy and Exploration, vol.1, no.1, pp.1-13, 2024 (SCI-Expanded)
- II. **Utilizing Taguchi method and in situ X-ray powder diffraction monitoring to determine the influence of mechanical activation conditions on the physico-chemical properties and Al leachability of K-feldspar**
Balaz M., Birinci M., Şentürk K., Achimovicova M., Balaz P., Tampubolon I. O., Stolar T., Bienert R., Emmerling F., Erdemođlu S., et al.
JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY, vol.32, pp.3886, 2024 (SCI-Expanded)
- III. **Modification of tetrahedrite $\text{Cu}_{12}\text{Sb}_4\text{S}_{13}$ thermoelectric performance via the combined treatment of mechanochemistry and composite formation**
Erdemođlu M.
SOLID STATE SCIENCES, vol.151, no.1, pp.1-8, 2024 (SCI-Expanded)
- IV. **Potassium chloride recovery from mechanically activated microcline through the chlorination roasting and leaching route**
Alyosif B., Uysal T., Erdemođlu M.
PHYSICOCHEMICAL PROBLEMS OF MINERAL PROCESSING, vol.59, pp.1-11, 2023 (SCI-Expanded)
- V. **Aluminum Recovery by Acid Leaching of Variously Enriched Pyrophyllite Ore: Effects of Pre-treatment Methods for Activation**
Aydođmuş R., Erdemođlu M., Uysal T.
Mining, Metallurgy and Exploration, vol.40, pp.1-14, 2023 (SCI-Expanded)
- VI. **Contribution of Mechanical Activation for Obtaining Potassium Chloride from Microcline**
Alyosif B., Uysal T., Aydemir M. K., Erdemođlu M.
Mining, Metallurgy and Exploration, vol.40, pp.1-10, 2023 (SCI-Expanded)
- VII. **Copper Enrichment in Solid with Selective Reverse Leaching with Oxalic Acid**
Turan M. D., Sari Z. A., ERDEMOĐLU M.
JOURNAL OF SUSTAINABLE METALLURGY, vol.6, no.3, pp.428-436, 2020 (SCI-Expanded)
- VIII. **Thermal Behavior of Pyrophyllite Ore during Calcination for Thermal Activation for Aluminum Extraction by Acid Leaching**
Erdemođlu M., Birinci M., Uysal T.
CLAYS AND CLAY MINERALS, vol.68, no.2, pp.89-99, 2020 (SCI-Expanded)
- IX. **Thermal and Mechanical Activation in Acid Leaching Processes of Non-bauxite Ores Available for Alumina Production-A Review**

Barry T. S., UYSAL T., BİRİNCİ M., ERDEMOĞLU M.

MINING METALLURGY & EXPLORATION, vol.36, no.3, pp.557-569, 2019 (SCI-Expanded)

- X. **Mechanical activation of pyrophyllite ore for aluminum extraction by acidic leaching**
ERDEMOĞLU M., BİRİNCİ M., UYSAL T., TUZER E. P., Barry T. S.
JOURNAL OF MATERIALS SCIENCE, vol.53, no.19, pp.13801-13812, 2018 (SCI-Expanded)
- XI. **Effects of mechanical activation of colemanite (Ca₂B₆O₁₁ center dot 5H₂O) on its thermal transformations**
UYSAL T., MUTLU H. S., ERDEMOĞLU M.
INTERNATIONAL JOURNAL OF MINERAL PROCESSING, vol.151, pp.51-58, 2016 (SCI-Expanded)
- XII. **LEACHING OF CHALCOPYRITE CONCENTRATE IN HYDROGEN PEROXIDE SOLUTION**
Agacayak T., Aras A., Aydogan S., ERDEMOĞLU M.
PHYSICOCHEMICAL PROBLEMS OF MINERAL PROCESSING, vol.50, no.2, pp.657-666, 2014 (SCI-Expanded)
- XIII. **AN OVERVIEW OF SURFACE ANALYSIS TECHNIQUES FOR CHARACTERIZATION OF MECHANICALLY ACTIVATED MINERALS**
ERDEMOĞLU M., Balaz P.
MINERAL PROCESSING AND EXTRACTIVE METALLURGY REVIEW, vol.33, no.1, pp.65-88, 2012 (SCI-Expanded)
- XIV. **Carbothermic reduction of mechanically activated celestite**
Erdemoglu M.
INTERNATIONAL JOURNAL OF MINERAL PROCESSING, vol.92, pp.144-152, 2009 (SCI-Expanded)
- XV. **Effects of intensive grinding on the dissolution of celestite in acidic chloride medium**
ERDEMOĞLU M., Aydogan S., GOCK E.
MINERALS ENGINEERING, vol.22, no.1, pp.14-24, 2009 (SCI-Expanded)
- XVI. **Dissolution kinetics of galena in acetic acid solutions with hydrogen peroxide**
AYDOGAN S., ARAS A., UCAR G., Erdemoglu M.
HYDROMETALLURGY, vol.89, pp.189-195, 2007 (SCI-Expanded)
- XVII. **Kinetics of galena dissolution in nitric acid solutions with hydrogen peroxide**
AYDOGAN S., Erdemoglu M., UCAR G., ARAS A.
HYDROMETALLURGY, vol.88, pp.52-57, 2007 (SCI-Expanded)
- XVIII. **A kinetic study on the conversion of celestite (SrSO₄) to SrCO₃ by mechanochemical processing**
Erdemoglu M., AYDOGAN S., CANBAZOGLU M.
HYDROMETALLURGY, vol.86, pp.1-5, 2007 (SCI-Expanded)
- XIX. **Hydrothermal synthesis, characterization and photocatalytic activity of nanosized TiO₂ based catalysts for rhodamine B degradation**
Sayilkan F., Asilturk M., Sener S., Erdemoglu S., Erdemoglu M., Sayilkan H.
TURKISH JOURNAL OF CHEMISTRY, vol.31, no.2, pp.211-221, 2007 (SCI-Expanded)
- XX. **Zeta potential of pyrophyllite in aqueous solutions of alkaline and alkaline earth metal cations and low-molecular-weight organic**
Erdemoglu M.
JOURNAL OF DISPERSION SCIENCE AND TECHNOLOGY, vol.28, no.5, pp.689-695, 2007 (SCI-Expanded)
- XXI. **Photocatalytic performance of pure anatase nanocrystallite TiO₂ synthesized under low temperature hydrothermal conditions**
Sayilkan F., Erdemoglu S., ASILTURK M., AKARSU M., SENER S., SAYILKAN H., Erdemoglu M., ARPAC E.
MATERIALS RESEARCH BULLETIN, vol.41, no.12, pp.2276-2285, 2006 (SCI-Expanded)
- XXII. **Dissolution kinetics of celestite (SrSO₄) in HCl solution with BaCl₂**
AYDOGAN S., Erdemoglu M., ARAS A., UCAR G., OZKAN A.
HYDROMETALLURGY, vol.84, pp.239-246, 2006 (SCI-Expanded)
- XXIII. **Effects of heavy metals and oxalate on the zeta potential of magnetite**
Erdemoglu M., Sarikaya M.
JOURNAL OF COLLOID AND INTERFACE SCIENCE, vol.300, no.2, pp.795-804, 2006 (SCI-Expanded)
- XXIV. **Characterization of the hydrothermally synthesized nano-TiO₂ crystallite and the photocatalytic degradation of Rhodamine B**

- ASILTURK M., Sayilkan F., ERDEMOGLU S., AKARSU M., SAYILKAN H., ERDEMOGLU M., ARPAC E.
JOURNAL OF HAZARDOUS MATERIALS, vol.129, pp.164-170, 2006 (SCI-Expanded)
- XXV. **Some aspects of magnetic filtration theory for removal of fine particles from aqueous suspensions**
Sarikaya M., ABBASOV T., ERDEMOGLU M.
JOURNAL OF DISPERSION SCIENCE AND TECHNOLOGY, vol.27, no.2, pp.193-198, 2006 (SCI-Expanded)
- XXVI. **Characterization and photocatalytic properties of TiO₂-nanosols synthesized by hydrothermal process at low temperature**
Sayilkan F., ASILTURK M., ERDEMOGLU S., AKARSU M., SAYILKAN H., ERDEMOGLU M., ARPAC E.
MATERIALS LETTERS, vol.60, no.2, pp.230-235, 2006 (SCI-Expanded)
- XXVII. **Leaching of celestite with sodium sulfide**
ERDEMOGLU M., Sarkaya M., CANBAZOGLU M.
JOURNAL OF DISPERSION SCIENCE AND TECHNOLOGY, vol.27, no.4, pp.439-442, 2006 (SCI-Expanded)
- XXVIII. **The effect of silane modification on the adsorptive properties of natural pyrophyllite and synthetic titanium-based powders prepared by the sol-gel process**
Sener S., Erdemoglu M., Asilturk M., Sayilkan H.
TURKISH JOURNAL OF CHEMISTRY, vol.29, no.5, pp.487-495, 2005 (SCI-Expanded)
- XXIX. **Organo-functional modified pyrophyllite: preparation, characterisation and Pb(II) ion adsorption property**
ERDEMOGLU M., ERDEMOGLU S., Sayilkan F., AKARSU M., SENER S., SAYILKAN H.
APPLIED CLAY SCIENCE, vol.27, pp.41-52, 2004 (SCI-Expanded)
- XXX. **Surface modification of pyrophyllite with amino silane coupling agent for the removal of 4-nitrophenol from aqueous solutions**
SAYILKAN H., ERDEMOGLU S., SENER S., Sayilkan F., AKARSU M., ERDEMOGLU M.
JOURNAL OF COLLOID AND INTERFACE SCIENCE, vol.275, no.2, pp.530-538, 2004 (SCI-Expanded)
- XXXI. **Natural pyrophyllite and M(OR)_x based M_xO_y powders as new adsorbents for heavy metal adsorption**
ERDEMOĞLU M., SAYILKAN F., SAYILKAN H., ASILTURK M., AKARSU M., SENER S., ERDEMOĞLU S.
KEY ENGINEERING MATERIALS, vol.264-268, pp.2239-2242, 2004 (SCI-Expanded)
- XXXII. **Natural pyrophyllite and M(OR)_x based M_xO_y powders as new adsorbents for heavy metal adsorption**
ERDEMOGLU M., Sayilkan F., ERDEMOGLU S., SENER S., AKARSU M., SAYILKAN H.
EURO CERAMICS VIII, PTS 1-3, pp.2239-2242, 2004 (SCI-Expanded)
- XXXIII. **Adsorption of p-nitrophenol on pyrophyllite**
Erdemoglu M.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.12, no.9, pp.1001-1005, 2003 (SCI-Expanded)
- XXXIV. **The effect of grinding on pyrophyllite flotation**
Erdemoglu M., SARIKAYA M.
MINERALS ENGINEERING, vol.15, no.10, pp.723-725, 2002 (SCI-Expanded)
- XXXV. **The leaching of SrS with water and the precipitation of SrCO₃ from leach solution by different carbonating agents**
Erdemoglu M., CANBAZOGLU M.
HYDROMETALLURGY, vol.49, pp.135-150, 1998 (SCI-Expanded)
- XXXVI. **Carbothermic reduction of high-grade celestite ore to manufacture strontium carbonate**
Erdemoglu M., CANBAZOGLU M., YALCIN H.
TRANSACTIONS OF THE INSTITUTION OF MINING AND METALLURGY SECTION C-MINERAL PROCESSING AND EXTRACTIVE METALLURGY, vol.107, 1998 (SCI-Expanded)

Articles Published in Other Journals

1. **The Effect of Beneficiation Methods on Alumina Production from Pyrophyllite Ore**

Aydođmuş R., UYSAL T., ERDEMOĐLU M.

İđdir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.13, no.2, pp.1297-1305, 2023 (Peer-Reviewed Journal)

II. Investigation of alumina production from pumice by acidic leaching

Aydemir M. K., Erdemođlu M.

MADENCİLİK MADEN MUHENDİSLERİ ODASI DERGİSİ, vol.61, no.4, pp.193-200, 2022 (Scopus)

III. Production of aluminum titanate from pyrophyllite ore

Uysal T., Erdemođlu M.

Politeknik Dergisi, vol.25, no.1, pp.313-319, 2022 (ESCI)

IV. The Mechanical Alloying of Magnetite Concentrate with Biochar

Öztürk E. A., Boyrazlı M., Turan M. D., Erdemođlu M.

Current Physical Chemistry, vol.10, pp.116-125, 2020 (Peer-Reviewed Journal)

V. The Effect of Grain Size on Microwave Interaction of Magnetite Concentrate Mixed with Carbonized Biomass Waste

Öztürk E. A., Boyrazlı M., Turan M. D., Erdemođlu M.

Current Physical Chemistry, vol.10, pp.107-115, 2020 (Peer-Reviewed Journal)

VI. PİROFİLLİT CEVHERİNDEN ASİT LİÇİ YÖNTEMİYLE ALÜMİNYUM KAZANIMINA AKTİVASYONUN ETKİSİ

Uysal T., Erdemođlu M., Birinci M.

Bilimsel Madencilik, vol.58, no.2, pp.111-120, 2019 (Peer-Reviewed Journal)

VII. Pirofillit Cevherinden Asit Liçi Yöntemiyle Alüminyum Kazanımına Aktivasyonun Etkisi

UYSAL T., ERDEMOĐLU M., BİRİNCİ M.

Bilimsel Madencilik Dergisi, vol.58, no.2, pp.111-120, 2019 (Scopus)

VIII. Alumina Production from Clay Minerals: Current Reviews

ERDEMOĐLU M., BİRİNCİ M., UYSAL T.

JOURNAL OF POLYTECHNIC-POLİTEKNİK DERGİSİ, vol.21, no.2, pp.387-396, 2018 (ESCI)

IX. Jipsin ısıı davranışına mekanik aktivasyonun etkisi

Şener M., ERDEMOĐLU M.

Madencilik, vol.53, pp.19-26, 2014 (Peer-Reviewed Journal)

X. Aşırı öğütmeyle mekanik olarak aktifleştirilmiş atık mermer tozları kullanarak vollastonit üretimi ve kullanımı

Göktaş M., ERDEMOĐLU M.

Madencilik, vol.53, pp.39-42, 2014 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. Optimization of Rare Earth Element Recovery from Kızıldađ (Karaman-Türkiye) Shale Ore Using Response Surface Methodology

UYSAL T., Akça M. E., ERÜST ÜNAL C., SİS H., ERDEMOĐLU M.

18th International Mineral Processing Symposium, Eskişehir, Turkey, 16 October 2024

II. EFFECT OF INTENSIVE MILLING ON THE STRUCTURAL CHARACTERISTICS OF SHALE ORE

UYSAL T., KIYAK T., SİS H., ERDEMOĐLU M.

22. Uluslararası Metalurji ve Malzeme Kongresi, İstanbul, Turkey, 27 - 28 June 2024

**III. KIZILDAĐ (KARAMAN-TÜRKİYE) ŞEYL CEVHERİNİN NTE KAZANIMI İÇİN KARAKTERİZASYONU
CHARACTERIZATION OF KIZILDAĐ (KARAMAN-TURKEY) SHALE ORE FOR REE RECOVERY**

UYSAL T., KIYAK T., ERÜST ÜNAL C., SİS H., ERDEMOĐLU M.

PROCEEDINGS OF 9th INTERNATIONAL CONGRESS OF MINING MACHINERY & TECHNOLOGIES, İzmir, Turkey, 13 - 15 September 2023, vol.1, pp.187-195

IV. RECOVERY OF ALUMINA FROM ALUMINUM CHLORIDE OBTAINED BY LEACHING OF PYROPHYLLITE

UYSAL T., Barry T. S., BİRİNCİ M., ERDEMOĐLU M.

17th INTERNATIONAL MINERAL PROCESSING SYMPOSIUM(IMPS-2022), İstanbul, Turkey, 15 December - 17 October 2022, pp.603-609

- V. **Recovery of Alumina from Aluminum Chloride Obtained by Leaching of Pyrophyllite Ore**
Uysal T., Barry T. S., Birinci M., Erdemoğlu M.
17th International Mineral Processing Symposium IMPS 2022, İstanbul, Turkey, 15 - 17 December 2022, pp.603-609
- VI. **ZERO-WASTE VALORISATION OF FELDSPATHIC ORES: THE PROJECT POTASSIAL**
ERDEMOĞLU M., SIS H., ERDEMOĞLU S., BİRİNCİ M.
XVII. International Mineral Processing Symposium, İstanbul, Turkey, 15 December 2022, vol.1, pp.807-814
- VII. **Applying Design of Experiments (DOE) Methodology to Determine the Optimum Mechanical Activation Conditions of K-feldspar**
Balaz M., Birinci M., Şentürk K., Achimovicova M., Balaz P., Erdemoğlu S., Sis H., Erdemoğlu M.
17th International Mineral Processing Symposium IMPS 2022, İstanbul, Turkey, 15 - 17 December 2022
- VIII. **Effect of Mechanical Activation on Potassium Chloride Production from Potassium Feldspar**
Alyosif B., Uysal T., Aydemir M. K., Erdemoğlu M.
17th International Mineral Processing Symposium IMPS 2022, İstanbul, Turkey, 15 - 17 December 2022, pp.597-601
- IX. **Intensive Milling Systems For Mechanical Activation in the Production of Alumina from Non-Bauxite Sources**
Aydemir M. K., Erdemoğlu M.
8. Uluslararası Maden Makinaları ve Teknolojileri Kongresi, İzmir, Turkey, 13 October - 15 November 2021, pp.16-24
- X. **TERMAL OLARAK AKTİFLEŞTİRİLMİŞ PİROFİLLİT KONSANTRESİNİN ALÜMİNA ÜRETİMİ İÇİN ASİDİK LİÇİ ACIDIC LEACHING OF THERMALLY ACTIVATED PYROPHYLLITE CONCENTRATE FOR ALUMINA PRODUCTION**
Aydoğmuş R., ERDEMOĞLU M.
7th International Congress of Mining Machinery and Technologies, İzmir, Turkey, 23 - 26 October 2019, vol.1, no.1, pp.338-348
- XI. **Processing of Pyrophyllite Ore by Acid Leaching Method for Al₂O₃ production**
ERDEMOĞLU M., Uysal T., BİRİNCİ M.
The 16th International Mineral Processing Symposium, Antalya, Turkey, 23 - 25 October 2018, vol.1, no.1, pp.267-273
- XII. **Processing Of Pyrophyllite Ore By Acid Leaching Method For Al₂O₃ Production**
ERDEMOĞLU M., UYSAL T., BİRİNCİ M., BARRY T. S.
16th International Mineral Processing Symposium (IMPS 2018), Antalya, Turkey, 23 - 25 October 2018, pp.267-273
- XIII. **Processing of Pyrophyllite Ores of Turkey for Various Usage Alternatives**
UYSAL T., BİRİNCİ M., ERDEMOĞLU M.
2nd INTERNATIONAL CONGRESS on ENGINEERING and TECHNOLOGY SCIENCES, 22 - 25 December 2017
- XIV. **Acidic leaching of thermally activated pyrophyllite ore from Pütürge (Malatya-Turkey) Deposit**
Birinci M., UYSAL T., ERDEMOĞLU M., PORGALI E., Barry T. S.
17th Balkan Mineral Processing Congress, Antalya, Turkey, 01 December 2017, pp.800
- XV. **Acidic Leaching Of Thermally Activated Pyrophyllite Ore From Pütürge (Malatya-Turkey) Deposit**
BİRİNCİ M., UYSAL T., ERDEMOĞLU M., PORGALI E., BARRY T. S.
XVII. Balkan Mineral Processing Congress, 1 - 03 November 2017
- XVI. **Environmental Security; A Critical approach to National Security**
ERDEMOĞLU M.
6. International Symposium on Mining and Environment, Muğla, Turkey, 27 - 29 September 2017, pp.800
- XVII. **Afyon İncehisar Mermer Toz Atıklarının Çevresel Olumsuz Etkilerinin Katma Değeri Yüksek Seramik Malzemelerin Üretiminde Kullanılarak Azaltılması**
GÖKTAŞ M., ERDEMOĞLU M.
6. International Symposium on Mining and Environment, Muğla, Turkey, 27 - 29 September 2017, pp.800
- XVIII. **Acid leaching performance of mechanically activated pyrophyllite ore for Al₂O₃ extraction**

ERDEMOĞLU M., Birinci M., UYSAL T., Porgalı E., Barry T. S.

9th International Conference Mechanochemistry and Mechanical Alloying, Kosice, Slovakia, 4 September - 07 December 2017, pp.800

- XIX. ENRICHMENT of PÜTÜRGE MALATYA TURKEY LOW GRADE PYROPHYLLITE ORE by ATTRITION SCRUBBING and FLOTATION**
BİRİNCİ M., ERDEMOĞLU M.
15th International Mineral Processing Symposium, 19 - 21 October 2016
- XX. Characterization of Mechanically Activated Pyrophyllite Ore for Al₂O₃ Production by Acid Leaching**
ERDEMOĞLU M., Birinci M., Uysal T., Porgalı E., Yumuşak S.
15th International Mineral Processing Symposium, Istanbul-Turkey, October 19-21, 2016, İstanbul, Turkey, 19 - 21 October 2016, pp.800
- XXI. Enrichment of Pütürge (Malatya, Turkey) Low-Grade Pyrophyllite Ore by Attrition-Scrubbing and Flotation**
Birinci M., ERDEMOĞLU M.
15th International Mineral Processing Symposium, Istanbul-Turkey, October 19-21, 2016, İstanbul, Turkey, 19 - 21 October 2016, pp.800
- XXII. Effects of intensive milling on the structural characteristics of pyrophyllite ore**
Uysal T., Birinci M., Porgalı E., ERDEMOĞLU M.
18. Uluslararası Metalurji ve Malzeme Kongresi IMMC 2016, İstanbul, Turkey, 26 - 30 September 2016, pp.800
- XXIII. Ağır Metallerle Kirlenmiş Toprak ve Suların İyileştirilmesinde Adsorban Olarak Kullanılan Doğal Manyetitın Elektrokinetik Davranışı**
ERDEMOĞLU M., SARIKAYA M.
V. Madencilik ve Çevre Sempozyumu, Turkey, 26 - 27 November 2015, pp.343
- XXIV. Mechanosynthesis of SrTiO₃ and BaTiO₃ through Intensive Ball Milling**
ERDEMOĞLU M.
16. Balkan Mineral Processing Congress, Belgrad, Serbia And Montenegro, 17 - 19 June 2015, pp.800
- XXV. Intensive milling of siderite**
ERDEMOĞLU M., Ding Y., Ghadiri M.
12. International Mineral Processing Symposium, Nevşehir, Turkey, 6 - 08 October 2010, pp.300-305
- XXVI. Effect of mechanical activation on the carbothermic reduction of celestite**
ERDEMOĞLU M., Gock E.
13. Balkan Mineral Processing Congress, Bucharest, Romania, 17 - 19 June 2009, pp.200-205
- XXVII. The effect of oxygen on the precipitation of strontium carbonate from aqueous carbon dioxide solutions**
ERDEMOĞLU M., Canbazoğlu M.
7. Balkan Conference on Mineral Processing, Vatra Dornei, Romania, 21 - 24 May 1997, pp.150-155
- XXVIII. Sodium carbonate versus carbon dioxide as a carbonating agent for the precipitation of SrCO₃ from leach solutions**
ERDEMOĞLU M., Canbazoğlu M.
5. International Conference on Mining, Petroleum and Metallurgical Engineering, Suez, Egypt, 5 - 09 February 1997, pp.3-13
- XXIX. Production of SrCO₃ by black ash process: Determination of reductive roasting parameters**
Erdemoglu M., CANBAZOĞLU M.
6th International Mineral Processing Symposium, KUSADASI, Turkey, 24 - 26 September 1996, pp.401-406

Supported Projects

ERDEMOĞLU M., DEMİR K., ŞENTÜRK K., METE E., Project Supported by Higher Education Institutions, Potasyum alüminyum silikat cevherlerinin asit liçiyile elde edilen potasyum klorürün saflaştırılması, 2023 - Continues

SİS H., ERDEMOĞLU M., BİRİNCİ M., EREN SARICI D., Project Supported by Higher Education Institutions, Potasyum

feldspat cevherlerinin yenilikçi ve sıfır atıklı hidrometalurjik yöntemlerle sürdürülebilir şekilde değerlendirilmesi, 2022 - Continues

SİS H., DOLMAZ O., ERDEMOĞLU S., ERDEMOĞLU M., BİRİNCİ M., Project Supported by Higher Education Institutions, Sülfürlü Cevherlerin Asit Maden Drenajı Oluşturma Potansiyellerinin Belirlenmesi ve Bazı Önışlemlerle Potansiyellerinin Azaltılması, 2022 - Continues

Altın E., Aktaş A., Erdemoğlu M., Turan M. D., Bulut F., Ateş N., TUBITAK Project, Yerli Kaynaklardan Yüksek Saflıkta Elde Edilmiş Mangan(IV)Oksitten Li-Iyon Bataryalarda Anot Malzemesi Olarak Kullanılmak Üzere Üretilen Mgo/Mno2 Yapılarının Araştırılması, 2024 - 2026

Erdemoğlu M., Sis H., Birinci M., Erdemoğlu S., Boyrazlı M., Turan M. D., Güler T., Baş A. D., Öncel Ç., Polat E., et al., H2020 Project, Zero-waste valorisation of feldspathic ores: green application and sustainable sourcing of strategic raw materials, 2022 - 2025

ERDEMOĞLU M., BİRİNCİ M., ERDEMOĞLU S., SİS H., Project Supported by Higher Education Institutions, 4. ERA-MIN3 POTASSIAL Projesi Konsorsiyum Çalıştay: Stratejik Hammaddelerin Sıfır Atıklı Değerlendirilmesi, 2024 - 2024

SİS H., DEMİRKIRAN N., KIYAK T., ERDEMOĞLU M., Project Supported by Higher Education Institutions, Görgü Malatya oksitli çinkokurşun cevherinin zenginleştirilmesi ve çinko elektrokazanımı, 2020 - 2022

ERDEMOĞLU M., Project Supported by Higher Education Institutions, Asidik Alüminyum Klorür Çözeltilisinden Demirin Solvent Ekstraksiyonla Uzaklaştırılması, 2020 - 2022

ERDEMOĞLU M., ALYOSIF B., Project Supported by Higher Education Institutions, POTASYUM FELDİSPATTAN POTASYUM Klorür Üretiminde MekaniK Aktivasyonun Etkilerinin İncelemesi, 2020 - 2022

ERDEMOĞLU M., AYDEMİR M. K., Project Supported by Higher Education Institutions, Pomzadan Alümina Üretiminin Hidrometalurjik Yöntemlerle Araştırılması, 2020 - 2021

ERDEMOĞLU M., AYDOĞMUŞ R., Project Supported by Higher Education Institutions, Zenginleştirilmiş Malatya Pütürge Pirofillit Cevherinin Alümina Üretimi için Aktifleştirilmesi, 2019 - 2019

ERDEMOĞLU M., Project Supported by Higher Education Institutions, MALATYA PÜTÜRGE PİROFİLLİT CEVHERİNİN KİMYASAL YÖNTEMLERLE DEĞERLENDİRİLMESİ, 2015 - 2018

ERDEMOĞLU M., TUBITAK Project, Kalkopirit Konsantresinden Bakırın İki Kademeli Seçimli Liçi, 2015 - 2018

ERDEMOĞLU M., TUBITAK Project, Pirofillit cevherinden alümina (Al2O3) üretiminin araştırılması, 2015 - 2017

ERDEMOĞLU M., TUBITAK Project, MekaniK Aktivasyonun Jipsin (CaSO4.2H2O) Isıl Davranışına Etkisi, 2011 - 2012

Scientific Refereeing

BİLİMSEL MADENCİLİK DERGİSİ, National Scientific Refreed Journal, June 2022

Minerals Engineering, SCI Journal, June 2022

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Inonu University, Turkey, May 2022

TUBITAK Project, 1501 - Industry R & D Projects Support Program, ..., Turkey, April 2022

HYDROMETALLURGY, SCI Journal, January 2022

TUBITAK Project, 1002 - Quick Support Program, Inonu University, Turkey, January 2022

Scientific Research / Working Group Memberships

Alümina Araştırma Grubu (ARG), İNÖNÜ ÜNİVERSİTESİ, Turkey, <https://cms.inonu.edu.tr/tr/cms/murat.erdemoglu>, 2017 - Continues

Metrics

Publication: 75

Citation (WoS): 836

Citation (Scopus): 749

H-Index (WoS): 15

H-Index (Scopus): 15

Awards

ERDEMOĐLU M., 1997 Yılın Doktora Tez Ödülü, Yurt Madenciliđini Geliřtirme Vakfı, December 1997

Non Academic Experience

İnönü Üniversitesi