

Res. Asst. PhD DAMLA İZERDEM

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: G-5942-2013

ScopusID: 57201739656

Yoksis Researcher ID: 144672

Education

Doctorate, Hacettepe University, Fen Bilimleri Enstitüsü, Maden Mühendisliği A.B.D., Turkey 2013 - 2019

Postgraduate, Hacettepe University, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, Turkey 2010 - 2013

Undergraduate, Hacettepe University, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, Turkey 2005 - 2010

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Investigation of the Effect of Particle Size in Gravity Concentration Equipment, Hacettepe University, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, 2019

Postgraduate, An Investigation of the Effect of Particle Size on the Performance of Spiral Concentrators, Hacettepe University, Fen Bilimleri Enstitüsü, Maden Mühendisliği (YI) (Tezli), 2013

Research Areas

Mining Engineering and Technology, Ore-Dressing, Communion-Sizing-Classification, Benefication by Gravity, Dense-Medium, Magnetic and Electrostatic, Flotation and Flocculation, Dewatering, Coal Preparation, Process and Plant Design, Engineering and Technology

Academic Positions

Research Assistant PhD, Hacettepe University, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, 2011 - Continues

Courses

Undergraduate

Preconcentration Applications in Mineral Processing, Undergraduate, 2024 - 2025

Preconcentration Applications in Mineral Processing, Undergraduate, 2023 - 2024

Preconcentration Applications in Mineral Processing, Undergraduate, 2022 - 2023

Journal articles indexed in SCI, SSCI, and AHCI

- I. **A Comparative Experimental Analysis of the Effect of Spiral Geometry on the Separation of Fine Chromite Particles. Part 1: Potential Downstream Impacts**
İZERDEM D.
MINING METALLURGY & EXPLORATION, vol.41, pp.2619-2634, 2024 (SCI-Expanded)
- II. **Low-Grade Chromite Beneficiation Through Spiral Concentration: A Review from the Turkish Market Perspective**
İZERDEM D.
Mineral Processing and Extractive Metallurgy Review, 2024 (SCI-Expanded)
- III. **Investigation of the effects of particle size on the performance of classical gravity concentration equipment**
İZERDEM D., ERGÜN Ş. L.
MINERAL PROCESSING AND EXTRACTIVE METALLURGY REVIEW, vol.45, no.3, pp.155-172, 2024 (SCI-Expanded)
- IV. **Application of density tracers in a dense medium circuit: A case study**
İZERDEM D., ORHAN E. C., ÖZCAN Ö., ALPAY E.
MINERALS ENGINEERING, vol.121, pp.39-46, 2018 (SCI-Expanded)

Articles Published in Other Journals

- I. **In Situ Characterization of the Locked Particle Behavior of Sulfide Minerals Using Non-Destructive Electrochemical Measurements**
İZERDEM D., ERTEKİN Z.
Dokuz Eylül Üniversitesi Mühendislik Fakültesi Fen ve Mühendislik Dergisi, 2023 (Peer-Reviewed Journal)
- II. **FLWSHEET DEVELOPMENT STUDIES FOR GOLD AND CLAY CONTAINING SULPHIDE ORES**
Izerdem D., Özcan Ö.
Bilimsel Madencilik Dergisi, vol.58, no.3, pp.189-196, 2019 (Scopus)

Papers Presented at Peer-Reviewed Scientific Conferences

- I. **Surface chemistry of the locked particles for sulphide minerals**
İZERDEM D.
27th International Mining Congress and Exhibition of Turkey, Antalya, Turkey, 22 - 25 March 2022, pp.855-863, (Full Text)
- II. **Size-by-size evaluation of the concentration process in spiral concentrators**
İZERDEM D., ERGÜN Ş. L.
29th International Mineral Processing Congress, Moskva, Russia, 15 - 21 September 2018, (Full Text)
- III. **Application of density tracers in a dense medium circuit: A case study**
İzerdem D., Orhan E. C., Özcan Ö., Alpay E.
Physical Separation'17, Plymouth, United Kingdom, 15 - 16 June 2017, pp.1-8, (Full Text)
- IV. **A study on gravity separation of coarse and fine sizes separately**
Güçbilmez D., Ergün Ş. L., Weitkaemper L.
16. Balkan Mineral Processing Congress, Belgrade, Serbia, 17 - 19 June 2015, vol.1, pp.249-252, (Full Text)

- V. **An experimental investigation of the effect of flowrate on separation in spiral concentrators**
Güçbilmez D., Ergün Ş. L.
27. International Mineral Processing Congress, Santiago, Chile, 20 - 24 October 2014, pp.593, (Summary Text)
- VI. **Beneficiation of gold from sulphide ore with high clay content**
GÜÇBİLMEZ D., ÖZCAN Ö., EKMEKÇİ Z.
14. International Mineral Processing Symposium, Kuşadası, Turkey, 15 - 17 October 2014, pp.695-702, (Full Text)
- VII. **An investigation of size by size performance of spiral concentrators**
Güçbilmez D., Ergün Ş. L.
15. Balkan Mineral Processing Congress, Burgas, Bulgaria, 12 - 16 June 2013, vol.1, pp.229-233, (Full Text)
- VIII. **Beneficiation of Eskisehir Chromite Ore**
Özcan Ö., Güçbilmez D.
13th International Mineral Processing Symposium, Muğla, Turkey, 10 - 12 October 2012, pp.191-196, (Full Text)
- IX. **A comparison of performances of spiral concentrators having different geometries**
Güçbilmez D., Ergün Ş. L.
26. International Mineral Processing Congress, New Delhi, India, 24 - 28 September 2012, pp.1733-1739, (Full Text)

Funded Projects

İzerdem D., Gülcan E., Orhan E. C., Project Supported by Other Private Institutions, Balya atıklarının Zenginleştirilmesi, 2023 - 2023

İzerdem D., Ergün Ş. L., TUBITAK Project, Investigating the Fine-Sized Chromite Ore Concentration in Different Types of Spiral Concentrators, 2022 - 2023

ERGÜN Ş. L., İZERDEM D., Project Supported by Higher Education Institutions, Yerçekimi ile Zenginleştirme Ekipmanlarında Tane Boyunun Etkisinin İncelenmesi, 2018 - 2019

ERGÜN Ş. L., İZERDEM D., Project Supported by Higher Education Institutions, Yerçekimi İle Zenginleştirme Ekipmanlarında Tane Boyunun Etkisinin İncelenmesi, 2017 - 2018

ORHAN E. C., Alpay E., İZERDEM D., ÖZCAN Ö., Project Supported by Higher Education Institutions, AĞIR ORTAM DEVRELERİNDE YOĞUNLUK İZLEYİCİLERİN KULLANIMI: BİR VAKA ÇALIŞMASI, 2017 - 2017

Peer Reviews in Scientific Publications

MINERAL PROCESSING AND EXTRACTIVE METALLURGY REVIEW, SCI Journal, January 2023

MINERAL PROCESSING AND EXTRACTIVE METALLURGY REVIEW, SCI Journal, May 2022

Metrics

Publication: 15

Citation (WoS): 3

Citation (Scopus): 2

H-Index (WoS): 1

H-Index (Scopus): 1

Representation and Promotion Activities

Institutional Promotion, EKET Fuarçılık, Turkey, Ankara, 2023 - 2023

Institutional Promotion, Hacettepe Üniversitesi, Turkey, Ankara, 2023 - 2023

Non Academic Experience

RWTH Aachen Üniversitesi, Ziyaretçi Araştırmacı

TEGV, Gönüllü

AIESEC, Proje Yöneticisi