

## Lect. PhD EREN CANER ORHAN

### Personal Information

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### International Researcher IDs

ORCID: 0000-0003-2741-0782

Yoksis Researcher ID: 169040

### Education Information

Doctorate, Hacettepe University, Fen Bilimleri Enstitüsü, Maden Mühendisliği Bölümü, Turkey 2001 - 2008

Postgraduate, Hacettepe University, Fen Bilimleri Enstitüsü, Maden Mühendisliği Bölümü, Turkey 1999 - 2001

Undergraduate, Hacettepe University, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, Turkey 1993 - 1999

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, Yüksek alan şiddetli kalıcı mıknatıslı rulo tipi kuru manyetik ayırıcıların ayırık elemanlar yöntemi ile modellenmesi, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Maden Mühendisliği (Dr), 2008

Postgraduate, FELDİSPAT FLOTASYONUNDA AMİN OLEAT ETKİLEŞİMİ, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Maden Mühendisliği (YI) (Tezli), 2002

### Research Areas

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

### Academic Titles / Tasks

Lecturer PhD, Hacettepe University, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, 2008 - Continues

Research Assistant, Hacettepe University, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, 1999 - 2008

### Courses

KATI SIVI AYRIMI, Undergraduate, 2017 - 2018, 2016 - 2017

CEVHER HAZIRLAMADA TESİS HESAPLAMALARI, Undergraduate, 2017 - 2018, 2016 - 2017  
MEZUNİYET PROJESİ I, Undergraduate, 2017 - 2018, 2016 - 2017  
ÖZEL KONULAR, Postgraduate, 2017 - 2018  
KÖMÜR HAZIRLAMA, Undergraduate, 2017 - 2018, 2016 - 2017  
MEZUNİYET PROJESİ II, Undergraduate, 2016 - 2017  
MALZEME BİLİMİ, Undergraduate, 2016 - 2017  
CEVHER HAZIRLAMADA BİLGİSAYAR DESTEKLİ TASARIM, Undergraduate, 2016 - 2017  
CEVHER HAZIRLAMADA VERİ ANALİZİ, Postgraduate, 2016 - 2017  
CEVHER ZENGİNLEŞTİRMEDE TESİS TASARIMI, Doctorate, 2016 - 2017

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

- I. **Performance evaluation studies at the grinding circuit of a gold-containing pyrite flotation plant**  
Ergün Ş. L., Orhan E. C., Özcan Ö.  
MINING ENGINEERING, vol.72, no.8, pp.18-26, 2020 (SCI-Expanded)
- II. **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. **Beneficiation and flowsheet development of a low grade iron ore: a case study**  
Özcan Ö., Harzanagh A. A., Orhan E. C., Ergün Ş. L.  
Bulletin Of The Mineral Research and Exploration, vol.165, no.1, pp.235-251, 2021 (ESCI)
- II. **Manyetik ayırma ve flotasyonla magmatik ve metamorfik kayalardan feldispat üretimi**  
GÜLSOY Ö. Y., ORHAN E. C., CAN N. M., BAYRAKTAR İ.  
Yerbilimleri/Hacettepe Üniversitesi Yerbilimleri Uygulama ve Araştırma Merkezi Dergisi, no.30, pp.49-61, 2004 (Scopus)
- III. **Bursa Orhaneli siyenitlerinden feldispat üretimi**  
GÜLSOY Ö. Y., ORHAN E. C., CAN N. M.  
Madencilik Dergisi, vol.43, pp.17-28, 2004 (Peer-Reviewed Journal)

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

- I. **ENRICHMENT OF COLEMANITE MIDDLING PRODUCTS WITH ALTERNATIVE METHODS**  
Özgür Ö. C., GÜLCAN E., ÖZCAN Ö., ORHAN E. C.  
IMPS 2022 17th International Mineral Processing Symposium, İstanbul, Turkey, 15 - 17 December 2022, pp.945-954
- II. **CHARACTERIZATION OF A TURKISH RARE-EARTH ORE TO ASSESS THE ENRICHMENT POTENTIAL**  
CAMALAN M., Temizkalb A., Kılınç M. G., ORHAN E. C., ERGÜN Ş. L., GÜLCAN E.  
IMPS 2022 17th International Mineral Processing Symposium, İstanbul, Turkey, 15 - 17 December 2022, pp.915-920
- III. **Performance Evaluation Studies at The Grinding Circuit of a Gold Containing- Pyrite Flotation Plant**  
Ergün Ş. L., Orhan E. C., Özcan Ö.  
MineXchange 2020 SME Annual Conference Expo, Arizona, United States Of America, 23 - 26 February 2020
- IV. **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

- V. **Discrete element modelling of vibrating screens**  
AGHLMANDI HARZANAGH A., ORHAN E. C., ERGÜN Ş. L.  
Computational Modelling 'xx17, Falmouth, Antigua And Barbuda, 13 - 14 June 2017
- VI. **Numerical study of parameters affecting industrial screening performance**  
AGHLMANDI HARZANAGH A., ORHAN E. C., ERGÜN Ş. L.  
25th International Mining Congress and Exhibition of Turkey, Antalya, Turkey, 11 - 14 April 2017, pp.408-415
- VII. **Performance Evaluation Practices At Dense Medium Separation Circuits**  
ORHAN E. C., CAN N. M., OLGUN Z., ÖZER A.  
XVIII International Coal Preparation Congress, St. Petersburg, Russia, 28 June - 01 July 2016, pp.839-847
- VIII. **Strategies For Modeling And Simulation Aided Design Of A Coal Washing Plant For Gasifier Feed Preparation**  
ORHAN E. C., GÜLCAN E., GÜLSOY Ö. Y., ERGÜN Ş. L., CAN O. M., AHAD A.  
32nd International Pittsburgh Coal Conference, 5 - 08 October 2015
- IX. **Evaluation of Ömerler Coal Washing Plant Performance Using Density Tracers**  
ORHAN E. C., GÜLSOY Ö. Y., ERGÜN Ş. L., CAN N. M., ÖZER A.  
14th International Mineral Processing Symposium, 15 - 17 October 2014
- X. **Investigations on Improvement of Clean Coal Recovery at TKI**  
GÜLSOY Ö. Y., ERGÜN Ş. L., CAN N. M., ORHAN E. C., GÜLCAN E., ERKAN E.  
XIV Balkan Mineral Processing Congress, 14 - 16 June 2011
- XI. **Application of De stoning Equipment for Power Plant Coal Production**  
GÜLSOY Ö. Y., ERGÜN Ş. L., CAN N. M., ORHAN E. C.  
XIV Balkan Mineral Processing Congress, 14 - 16 June 2011
- XII. **Evaluation Of Alternative Coal Washing Flowsheets By Simulation To Prepare Coal For Gasification**  
ERGÜN Ş. L., GÜLSOY Ö. Y., CAN O. M., ORHAN E. C.  
XIV Balkan Mineral Processing Congress, 14 - 16 June 2011
- XIII. **Simulation of Three Product Heavy Medium Cyclone Application For Soma Region Coals**  
GÜLSOY Ö. Y., ERGÜN Ş. L., CAN N. M., ORHAN E. C.  
XIV Balkan Mineral Processing Congress, 14 - 16 June 2011
- XIV. **Application of FGX separator in the enrichment of Catalagzi coal a simulation study**  
ORHAN E. C., ERGÜN Ş. L., Altıparmak B.  
16th International Coal Preparation Congress, 25 - 30 April 2010, pp.1
- XV. **Nd Fe B Alaşımli kalıcı Mıknatısların İnce Tane Boyunda Seramik Hammaddelerinin Yaş Manyetik Zenginleştirmede Kullanılması**  
GÜLSOY Ö. Y., ORHAN E. C., DİKMEN S., OBUT A.  
Türkiye 19. Uluslararası Madencilik Kongresi, 9 - 12 June 2005
- XVI. **Kırka A Konsantratörü Performans Değerlendirme Çalışmaları**  
ERGÜN Ş. L., GÜLSOY Ö. Y., ORHAN E. C., OBUT A., DİKMEN S., HASSOY H.  
2. Uluslararası Bor Sempozyumu, 23 - 25 September 2004
- XVII. **Granitik Kayaçlardan Feldispat Üretimi**  
BAYRAKTAR İ., GÜLSOY Ö. Y., CAN O. M., ORHAN E. C.  
Seramik Semineri, Turkey, 17 - 23 November 2003
- XVIII. **Feldispatların Zenginleştirilmesi**  
BAYRAKTAR İ., GÜLSOY Ö. Y., CAN O. M., ORHAN E. C.  
4. Endüstriyel Hammaddeler Sempozyumu, 18 - 19 October 2001
- XIX. **Investigation on the Alternatives to Obtain Finer Flotation Feed at Küre Grinding Circuit by Simulation**  
ERGÜN Ş. L., EKMEKÇİ Z., GÜLSOY Ö. Y., CAN N. M., ORHAN E. C., DİKMEN S., OBUT A.  
International Mineral Processing Symposium-Mineral Processing on the Verge of the 21st Century, Antalya, Turkey, 16 - 18 October 2000, pp.59-64

## Supported Projects

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

## Metrics

Publication: 24

Citation (WoS): 3

Citation (Scopus): 2

H-Index (WoS): 1

H-Index (Scopus): 1

## Non Academic Experience

Hacettepe Üniversitesi Maden Müh. Bölümü