

Asst. Prof. ÖZLEM BIÇAK

Personal Information

Office Phone: [+90 312 297 7600](tel:+903122977600) Extension: 137

Office Phone: [+90 312 780 7653](tel:+903127807653)

Fax Phone: [+90 312 299 2155](tel:+903122992155)

Email: obicak@hacettepe.edu.tr

Web: <https://avesis.hacettepe.edu.tr/obicak>

Address: Hacettepe Üniversitesi Beytepe Kampüsü Maden Mühendisliği Bölümü 06800 Beytepe Çankaya ANKARA

International Researcher IDs

ORCID: 0000-0002-8515-2315

Publons / Web Of Science ResearcherID: G-5950-2013

Yoksis Researcher ID: 107361

Education Information

Doctorate, Hacettepe University, Fen Bilimleri Enstitüsü, Maden Mühendisliği /Cevher Hazırlama Abd, Turkey 2006 - 2011

Postgraduate, Hacettepe University, Fen Bilimleri Enstitüsü, Maden Mühendisliği /Cevher Hazırlama Abd, Turkey 2003 - 2006

Undergraduate, Hacettepe University, Mühendislik Fakültesi, Maden Mühendisliği /Cevher Hazırlama Abd, Turkey 1999 - 2003

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Sülfürlü cevherlerde oksitlenme derecesinin flotasyon performansına etkisi, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Maden Mühendisliği (Dr), 2011

Postgraduate, Adsorption of polysaccharides on pyrite and their utilisation as depressants, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Maden Mühendisliği (YI) (Tezli), 2006

Research Areas

Mining Engineering and Technology, Ore-Dressing, Flotation and Flocculation, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Hacettepe University, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, 2018 - Continues

Assistant Professor, Hacettepe University, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, 2014 - 2018

Expert, Hacettepe University, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, 2011 - 2014

Courses

Flotasyon Devrelerinin Simülasyonu, Postgraduate, 2016 - 2017

Flotasyon I, Undergraduate, 2016 - 2017

Maden Mühendisliğine Giriş ve Mühendislik Etiği, Undergraduate, 2016 - 2017

Advising Theses

BIÇAK Ö., FARKLI TOPLAYICI TÜRLERİ VE KARIŞIMLARININ BİR SÜLFÜRLÜ CEVHERİN FLOTASYON PERFORMANSINA ETKİSİ, Postgraduate, S.AŞIK(Student), 2018

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **The effects of indigenous microorganisms and water treatment with ion exchange resin on Cu-Ni flotation performance**
Miettinen H., Bomberg M., BIÇAK Ö., EKMEKÇİ Z., Kinnunen P.
Minerals Engineering, vol.205, 2024 (SCI-Expanded)
- II. **The Impact of Pulp Temperature on the Flotation Performance of Copper-Lead-Zinc Sulphide Ore**
BIÇAK Ö., Cakir E., Ozcelik S., EKMEKÇİ Z.
Minerals, vol.13, no.9, 2023 (SCI-Expanded)
- III. **Effects of Residual Xanthate on Flotation Efficiency of a Cu-Zn Sulfide Ore**
ÖZTÜRK Y., BIÇAK Ö., EKMEKÇİ Z.
MINERALS, vol.12, no.3, 2022 (SCI-Expanded)
- IV. **A technique to determine ore variability in a sulphide ore**
BIÇAK Ö.
MINERALS ENGINEERING, vol.142, 2019 (SCI-Expanded)
- V. **Modelling effects effects of dissolved ions in process water on flotation performance**
BIÇAK Ö., ÖZTÜRK Y., ÖZDEMİR E., EKMEKÇİ Z.
MINERALS ENGINEERING, vol.128, pp.84-91, 2018 (SCI-Expanded)
- VI. **Mitigation negative effects of thiosulfate on flotation performance of a Cu-Pb-Zn sulfide ore**
ÖZTÜRK Y., BIÇAK Ö., ÖZDEMİR E., EKMEKÇİ Z.
MINERALS ENGINEERING, vol.122, pp.142-147, 2018 (SCI-Expanded)
- VII. **Mass Balance and Quantitative Mineralogy Studies for Circuit Modification**
CAN N. M., ÇELİK İ., Bıçak Ö., Altun O.
MINERAL PROCESSING AND EXTRACTIVE METALLURGY REVIEW, vol.34, no.5, pp.348-365, 2013 (SCI-Expanded)
- VIII. **Prediction of flotation behavior of sulphide ores by oxidation index**
BIÇAK Ö., EKMEKÇİ Z.
MINERALS ENGINEERING, pp.279-283, 2012 (SCI-Expanded)
- IX. **The effect of water chemistry on froth stability and surface chemistry of the flotation of a Cu-Zn sulfide ore**
BIÇAK Ö., EKMEKÇİ Z., Can M., ÖZTÜRK Y.
INTERNATIONAL JOURNAL OF MINERAL PROCESSING, vol.102, pp.32-37, 2012 (SCI-Expanded)
- X. **Adsorption of guar gum and CMC on pyrite**
Bicak O., EKMEKCI Z., BRADSHAW D. J., HARRIS P. J.
MINERALS ENGINEERING, vol.20, no.10, pp.996-1002, 2007 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **Flotation of problematic Cu-Zn Ores in Çbi (Turkey)**
EKMEKÇİ Z., BIÇAK Ö., CAN N. M., ÇELİK İ. B., ÖZTÜRK Y., KOCABIYIK B., ŞAHİN N.
SME Annual Conference and Expo 2017: Creating Value in a Cyclical Environment, 19 - 22 February 2017, pp.324-328
- II. **Effects of different collector types and mixtures on a porphyry copper molybdenum sulphide ore flotation**
BIÇAK Ö., BAHRAMI A., ÖZDEMİR E., ÇELİK İ. B., CAN N. M., EKMEKÇİ Z.
International Mineral Processing symposium, KUŞADASI, Turkey, 15 - 17 October 2014, pp.287-292
- III. **Flotation of Yenipazar Yozgat Complex Sulphide Ore**
BIÇAK Ö., ÇELİK İ. B., ÖZTÜRK Y., CAN N. M., EKMEKÇİ Z., ALTUN O.
XIII. International Mineral Processing Symposium, BODRUM, Turkey, 10 - 12 October 2012, pp.391-399
- IV. **Copper circuit modification at copper zinc concentrator of Çayeli Bakır İşletmeleri A Ş Türkiye**
ASLAN A., EKMEKÇİ Z., CAN N. M., ÇELİK İ. B., BIÇAK Ö., ALTUN O.
22nd World Mining CongressExpo, İstanbul, Turkey, 11 - 16 September 2011, pp.367-374
- V. **Effects of water chemistry on flotation performance of a sulphide ore**
BIÇAK Ö., EKMEKÇİ Z., CAN N. M., ÖZTÜRK Y.
Flotation 'xx09, 9 - 12 November 2009
- VI. **The relationship between oxidation index and flotation performance by using EDTA extraction method**
BIÇAK Ö., EKMEKÇİ Z., CAN N. M.
13.IACIS/83.ACS Symposium, 14 - 19 June 2009, pp.178
- VII. **A methodology to measure surface oxidation of a sulphide ore**
BIÇAK Ö., EKMEKÇİ Z., CAN N. M.
International Mineral Processing Symposium, Antalya, Turkey, 21 - 23 October 2008, pp.1195-1200
- VIII. **Development of an oxidation index to predict floatability in a sulphide ore**
BIÇAK Ö., EKMEKÇİ Z., CAN N. M.
Mineral Processing Conference, Cape-Town, South Africa, 7 - 08 August 2008

Supported Projects

- Biçak Ö., Can İ. B., Can N. M., Öztürk Y., Ekmekçi Z., H2020 Project, Integrated mineral technologies for more sustainable raw material supply (ITERAMS)-Grant Agreement number: 730480, 2017 - 2021
- BIÇAK Ö., ÖZTÜRK Y., Project Supported by Higher Education Institutions, Tiyosülfatın Cu-Zn Flotasyonu Üzerindeki Olumsuz Etkilerinin Azaltılması, 2017 - 2017
- BIÇAK Ö., Project Supported by Higher Education Institutions, Proses Suyundaki Çözünmüş İyonların Flotasyon Performansına Etkisinin Modellenmesi (MODELLING THE EFFECT OF DISSOLVED IONS IN PROCESS WATER ON FLOTATION PERFORMANCE), 2017 - 2017
- BIÇAK Ö., Project Supported by Higher Education Institutions, Farklı Toplayıcı Türlerinin Piritli Bakır Flotasyonuna Etkisi, 2016 - 2017
- BIÇAK Ö., Project Supported by Other Private Institutions, Çinko Cevheri Zenginleştirme Çalışmaları, 2016 - 2016
- BIÇAK Ö., EKMEKÇİ Z., Other International Funding Programs, Flotation Performance Improvement in CBI flotation plant, 2009 - 2011
- EKMEKÇİ Z., BIÇAK Ö., Other International Funding Programs, Telfer Flotation Study Plant Chemistry and Collector Test, 2009 - 2011

Metrics

Publication: 18

Citation (WoS): 137

Citation (Scopus): 151

H-Index (WoS): 5

H-Index (Scopus): 6