

Assoc. Prof. DENİZ ALTUN

Personal Information

Office Phone: [+90 312 297 7600](tel:+903122977600) Extension: 153

Email: deksi@hacettepe.edu.tr

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

International Researcher IDs

Publons / Web Of Science ResearcherID: G-5943-2013

Yoksis Researcher ID: 170074

Education Information

Doctorate, Hacettepe University, Fen Bilimleri, Maden Mühendisliği, Turkey 2011 - 2017

Postgraduate, Hacettepe University, Fen Bilimleri, Maden Mühendisliği, Turkey 2008 - 2011

Undergraduate, Hacettepe University, Mühendislik Fakültesi, Maden Mühendisliği, Turkey 2002 - 2007

Foreign Languages

English, C1 Advanced

Research Areas

Mining Engineering and Technology, Ore-Dressing, Grinding and Abrasion Materials Technology, Communiton-Sizing-Classification, Process and Plant Design, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Hacettepe University, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, 2009 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Understanding HIGMill operation at copper regrind application; operating parameters, wear and mineral liberation**
ALTUN O., Darılmaz Ö., Karahan E., Sert T., ALTUN D., Toprak A., Hür A.
Minerals Engineering, vol.191, 2023 (SCI-Expanded)
- II. **Estimation of mineral liberation distribution functions to be used in modelling of impact and attrition milling**
Altun O., Altun D.
Minerals Engineering, no.107236, pp.1-13, 2021 (SCI-Expanded)
- III. **Predicting the grinding energy of vrm depending on material characterization**
ALTUN D., Benzer H., Gerold C., Schmitz C.
Minerals Engineering, vol.171, 2021 (SCI-Expanded)
- IV. **Investigation of the effect of multiple impacts on clinker breakage using the impact bed breakage**

test

Altun D.

ZKG INTERNATIONAL, no.5, pp.38-44, 2021 (SCI-Expanded)

- V. **Developing a methodology to model and predict the grinding performance of the dry stirred mill**
ALTUN D., ALTUN O., Zencirci S.
MINERALS ENGINEERING, vol.139, 2019 (SCI-Expanded)
- VI. **The use of impact bed breakage procedure in model fitting of dry stirred mill**
ALTUN D., ALTUN O., Benzer H.
PARTICULATE SCIENCE AND TECHNOLOGY, 2019 (SCI-Expanded)
- VII. **Operational parameters affecting the vertical roller mill performance**
ALTUN D., Benzer H., Aydogan N., Gerold C.
MINERALS ENGINEERING, vol.103, pp.67-71, 2017 (SCI-Expanded)
- VIII. **Modelling of component behaviour around a cement grinding circuit**
ALTUN D., BENZER A. H., ALTUN O.
ZKG INTERNATIONAL, vol.70, no.10, pp.58-67, 2017 (SCI-Expanded)
- IX. **Copper ore grinding in a mobile vertical roller mill pilot plant**
ALTUN D., Gerold C., Benzer H., ALTUN O., Aydogan N.
INTERNATIONAL JOURNAL OF MINERAL PROCESSING, vol.136, pp.32-36, 2015 (SCI-Expanded)
- X. **Simulation assisted capacity improvement of cement grinding circuit: Case study cement plant**
DÜNDAR H., Benzer H., AYDOĞAN N., ALTUN O., TOPRAK N. A., ÖZCAN Ö., EKŞİ D., Sargin A.
MINERALS ENGINEERING, vol.24, pp.205-210, 2011 (SCI-Expanded)
- XI. **A new method for determination of fine particle breakage**
Eksi D., BENZER A. H., SARGIN A., Genc O.
MINERALS ENGINEERING, vol.24, pp.216-220, 2011 (SCI-Expanded)

Articles Published in Other Journals

- I. **Modelling of pilot scale vertical roller mill operated in overflow mode**
ALTUN D., BENZER A. H.
MINERAL PROCESSING AND EXTRACTIVE METALLURGY-TRANSACTIONS OF THE INSTITUTIONS OF MINING AND METALLURGY, vol.130, no.4, pp.332-340, 2021 (ESCI)
- II. **THE APPLICABILITY OF SIZE-DEPENDENT BREAKAGE MODEL IN COMPRESSED BED TEST**
Altun D., Benzer A. H.
Niğde Üniversitesi Mühendislik Bilimleri Dergisi, vol.9, no.1, pp.472-479, 2020 (Peer-Reviewed Journal)
- III. **FARKLI KIRILMA TEST PROTOKOLLERİNİN KAMARALI BİLYALI DEĞİRMEN MODELLEMESİNDE KULLANIMI**
ALTUN D., ALTUN O.
Bilimsel Madencilik Dergisi, vol.58, pp.257-266, 2019 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

- I. **ENERGY OPTIMIZATION OF A GRINDING CIRCUIT AT A COPPER MINE BİR BAKIR MADENİNDE ÖĞÜTME DEVRESİNİN ENERJİ OPTİMİZASYONU**
Sert T., ALTUN O., TOPRAK N. A., ALTUN D., Darılmaz Ö.
27th International Mining Congress and Exhibition of Turkey, IMCET 2022, Antalya, Turkey, 22 - 25 March 2022, pp.324-334
- II. **HIG MILL PERFORMANCE AT COPPER FLOTATION CIRCUIT REGRIND APPLICATION BAKIR FLOTASYON DEVRESİ REGRIND UYGULAMASINDA HIG DEĞİRMEN PERFORMANSI**
ALTUN O., Darılmaz Ö., Hür A., Karahan C., Göller Z., Sert T., ALTUN D., TOPRAK N. A.

27th International Mining Congress and Exhibition of Turkey, IMCET 2022, Antalya, Turkey, 22 - 25 March 2022, pp.409-416

- III. **SİNERJİK DEMİR CEVHERİ KONSANTRESİNİN DRI PELET KEKİ ÜRETİMİNİNDE KULLANILABİLİRLİĞİNİN ARAŞTIRILMASI**
BENZER A. H., ALTUN D., ÖZAL Ö., CEBECİ V.
IMCET, Turkey, 16 - 19 April 2019
- IV. **Comparing Vertical Roller Mill Performance on Two Different Precious Metal Ores**
ALTUN D., Little W., BENZER A. H., Mainza A., Becker M., Gerold C.
Comminution 18, Cape-Town, South Africa, 16 - 19 April 2018
- V. **Effects of Bed Dimensions on Fine Particle Breakage**
ALTUN D., BENZER A. H., ALTUN O.
Comminution 18, Cape-Town, South Africa, 16 - 19 April 2018
- VI. **Performance Evaluation of Vertical Roller Mill in Cement Grinding: Case Study ESCH Cement Plant**
ALTUN D., AYDOĞAN N. A., ALTUN O., BENZER A. H.
15. EUROPEAN SYMPOSIUM ON COMMUNITION CLASSIFICATION, İzmir, Turkey, 11 - 14 September 2017
- VII. **Application of HPGR, VRM and dry classification in mineral processing**
DÜNDAR H., BENZER A. H., AYDOĞAN N. A., ALTUN O., ALTUN D., TOPRAK N. A.
International Congress on Mineral Comminution 2017, Peru, Lima, Peru, 11 - 13 May 2017
- VIII. **Operational Parameters Affecting the Vertical roller Mill Performance**
ALTUN D., BENZER A. H., AYDOĞAN N. A., Gerold C.
Comminution 16, 10 - 15 April 2016
- IX. **Optimization alternatives in cement grinding circuits**
TOPRAK N. A., BENZER A. H., AYDOĞAN N. A., ALTUN O., DÜNDAR H., ÖZCAN Ö., ALTUN D.
14th International Mineral Processing Symposium, 15 - 17 October 2014

Supported Projects

ALTUN O., ALTUN D., TOPRAK N. A., TUBITAK Project, KIRMA DEVRELERİ PERFORMANSININ CEVHERLERİN JEOMETALURJİK PARAMETRELERİ ÜZERİNDEKİ ETKİLERİNİN İNCELENMESİ YÖNTEMİYLE OPTİMİZASYON SÜRECİNİN VE EKİPMAN GELİŞİMİNİN SAĞLANMASI, 2023 - 2025

Metrics

Publication: 23

Citation (WoS): 78

Citation (Scopus): 94

H-Index (WoS): 4

H-Index (Scopus): 4