

## Asst. Prof. HAKAN DÜNDAR

### Personal Information

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### International Researcher IDs

ORCID: 0000-0001-5279-4728

Publons / Web Of Science ResearcherID: O-1835-2018

Yoksis Researcher ID: 29721

### Education Information

Doctorate, Hacettepe University, Fen Bilimleri Enstitüsü, Maden Müh., Turkey 2006 - 2012

### Foreign Languages

English, B2 Upper Intermediate

### Research Areas

Mining Engineering and Technology, Ore-Dressing, Communiton-Sizing-Classification, 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

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

- I. **Investigating the benefits of replacing hydrocyclones with high-frequency fine screens in closed grinding circuit by simulation**  
DÜNDAR H.  
MINERALS ENGINEERING, vol.148, 2020 (SCI-Expanded)
- II. **Investigating multicomponent breakage in cement grinding**  
DÜNDAR H., Benzer H.  
MINERALS ENGINEERING, vol.77, pp.131-136, 2015 (SCI-Expanded)
- III. **Application of population balance model to HPGR crushing**  
DÜNDAR H., BENZER H., Aydoğan N.  
MINERALS ENGINEERING, pp.114-120, 2013 (SCI-Expanded)
- IV. **Investigation of the breakage of hard and soft components under high compression: HPGR application**  
BENZER H., AYDOĞAN N. A., DÜNDAR H.  
MINERALS ENGINEERING, vol.24, pp.303-307, 2011 (SCI-Expanded)

- V. **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)
- VI. **Comparison of open and closed circuit HPGR application on dry grinding circuit performance**  
ALTUN O., BENZER H., DÜNDAR H., AYDOĞAN N. A.  
MINERALS ENGINEERING, vol.24, pp.267-275, 2011 (SCI-Expanded)
- VII. **ASSOCIATION OF POLYNEUROPATHY, MENTAL RETARDATION, SENSORINEURAL HEARING LOSS, 6th NERVE PALSY, CONVULSIONS, AND ORAL DYSKINESIA; A PROPABLE NEW NEUROMETABOLIC DISORDER**  
DURŞUN A., YALNIZOĞLU D., DÜNDAR H., ERDEM S., AKARSU A. N., ÖZGÜL R. K.  
JOURNAL OF INHERITED METABOLIC DISEASE, vol.33, 2010 (SCI-Expanded)
- VIII. **Relationships between comminution energy and product size for a magnetite ore**  
Jankovic A., DÜNDAR H., Mehta R.  
JOURNAL OF THE SOUTH AFRICAN INSTITUTE OF MINING AND METALLURGY, vol.110, no.3, pp.141-146, 2010 (SCI-Expanded)

### Articles Published in Other Journals

- I. **Dik Milli Darbeli Kırıcılarda Rotor Hızı Boyut Küçültme İlişkisi**  
DÜNDAR H.  
Bilimsel Madencilik Dergisi, vol.57, no.3, pp.189-196, 2018 (Scopus)
- II. **HPGR simulation from piston-die tests with an itabirite ore**  
BENZER A. H., DÜNDAR H., ALTUN O., Tavares L. M., Powell M., Mazzinghy D. B., Russo J. F.  
REM - International Engineering Journal, vol.70, no.1, pp.99-107, 2017 (Peer-Reviewed Journal)

### Books & Book Chapters

- I. **Classifiers**  
Alban L., Mark W., DÜNDAR H., BENZER A. H., Jobe W.  
in: Comminution Handbook, Alban Lynch, Editor, The Australasian Institute of Mining and Metallurgy, Melbourne, pp.145-166, 2015

### Refereed Congress / Symposium Publications in Proceedings

- I. **THE EFFECT OF FINE GRINDING ON CYANIDE LEACHING OF GOLD MINE TAILINGS**  
Bıyıklı B., Sevgül S., DÜNDAR H.  
27th International Mining Congress and Exhibition of Turkey, IMCET 2022, Antalya, Turkey, 22 - 25 March 2022, pp.895-903
- II. **Optimisation of the Crushing Circuit in a Copper Operation**  
Sönmez B., LynchWatson S., Villalobos S., DÜNDAR H., BENZER A. H.  
IMCET 2019 (26th International Mining Congress and Exhibition of Turkey), Antalya, Turkey, 16 - 19 April 2019
- III. **Prediction of the pilot HPGR product size distribution by using population balance model**  
Sonmez B., BENZER A. H., DÜNDAR H., Watson Lynch S.  
Comminution 18, 16 - 19 April 2018
- IV. **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
- V. **High pressure grinding rolls: Moving from cement to minerals**

DÜNDAR H., AYDOĞAN N. A., BENZER A. H.

IMCET 2017: New Trends in Mining - Proceedings of 25th International Mining Congress of Turkey 2017, 11 - 14 April 2017

- VI. **Closed circuiting the HPGRs air classification their operations and efficiencies**  
ALTUN O., BENZER A. H., DÜNDAR H.  
Comminution'xx16, 10 - 14 April 2016
- VII. **Screens and cyclones in closed grinding circuits**  
DÜNDAR H., Kalugin A., Delgado M., Palomino A., Türkistanlı A., Aquino B., Lynch A. J.  
IMPC 2014 (XXVII International Mineral Processing Congress), Santiago, Chile, 20 - 24 October 2014
- VIII. **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
- IX. **Optimization Alternatives in Cement Grinding Circuits**  
TOPRAK N. A., BENZER A. H., AYDOĞAN N. A., ALTUN O., DÜNDAR H., ÖZCAN Ö., ALTUN D.  
IMPS, 15 - 17 October 2014
- X. **A pilot scale comparison of various HPGR operating configurations**  
Jankovic A., Valery W., Sönmez B., Oliveira R., DÜNDAR H.  
Procemin 2013 (10th International Mineral Processing Conference), Santiago, Chile, 15 - 18 October 2013
- XI. **Modelling and Simulation Studies at an Aggregate Plant**  
Sönmez B., Nozawa E., Corsini J., Jankovic A., Valery W., DÜNDAR H., BENZER A. H., Ribeiro R.  
BMPC 2013 (XV Balkan Mineral Processing Congress), Sozopol, Bulgaria, 12 - 16 June 2013
- XII. **Design exercise of an HPGR**  
DÜNDAR H., BENZER A. H., AYDOĞAN N. A.  
Comminution 12, Cape-Town, South Africa, 17 - 20 April 2012
- XIII. **Importance of the Feed Size Distribution and Recycle on the HPGR Performance**  
DÜNDAR H., BENZER A. H., AYDOĞAN N. A., Powell M., Mainza A.  
SAG Conference 2011 (Fifth International Conference on Autogenous Grinding, Semiautogenous Grinding and HPGR Technology), Vancouver, Canada, 25 - 28 September 2011
- XIV. **LKAB Autogenous Milling of Magnetite**  
Powell M., BENZER A. H., DÜNDAR H., AYDOĞAN N. A., Adolfsson G., Partapuoli A., Wikström P., Fredriksson A., Tano K.  
SAG Conference 2011 (Fifth International Conference on Autogenous Grinding, Semiautogenous Grinding and HPGR Technology), Vancouver, Canada, 25 - 28 September 2011
- XV. **Effects of the Rolls Speed and Pressure on the HPGR Performance During Gold Ore Grinding**  
DÜNDAR H., BENZER A. H., Mainza A., Dzomeku C.  
SAG Conference 2011 (Fifth International Conference on Autogenous Grinding, Semiautogenous Grinding and HPGR Technology), Vancouver, Canada, 25 - 28 September 2011
- XVI. **Reducing the Energy Required in Grinding Clinker to Cement – Some Case Studies**  
BENZER A. H., AYDOĞAN N. A., DÜNDAR H., Lynch A. J.  
MetPlant 2011 (Metallurgical Plant Design and Operating Strategies), Perth, Australia, 8 - 09 August 2011
- XVII. **Modelling and Simulation of the Crushing Screening Plant in a Gold Mine**  
DÜNDAR H., BENZER A. H., ÖZCAN Ö., TOPRAK N. A., EROL U. K., SHERREN K., DEMİR M.  
12th International Mineral Processing Symposium, Nevşehir, Turkey, 6 - 08 October 2010
- XVIII. **Modelling and Simulation of the Crushing and Screening Plant in a Gold Mine**  
DÜNDAR H., BENZER A. H., ÖZCAN Ö., TOPRAK N. A., Erol U. K., Sherren K., Demir M.  
IMPS 2010 (XII International Mineral Processing Symposium), Nevşehir, Turkey, 6 - 08 October 2010
- XIX. **Effect of the Recycling Load on the High Pressure Grinding Rolls' Performance - A Case Study with the Industrial Unit During Cement Clinker Grinding**  
DÜNDAR H., AYDOĞAN N., Benzer H., Lynch A. J.  
10th Mill Operators Conference, Adelaide, Australia, 12 - 14 October 2009, pp.161-163
- XX. **Exploring The Potential Use of Barmac B-Series Vertical Shaft Impactors in Cement Plants**

Esen S., DÜNDAR H., BENZER A. H.

BMPC 2007 (XII Balkan Mineral Processing Congress), Delhi, Canada, 10 - 14 June 2007

## **Supported Projects**

ALTUN O., DÜNDAR H., Project Supported by Higher Education Institutions, Kırma ve Öğütme'16 Kongre Katılımı (11-14 Nisan 2016), 2016 - 2016

DÜNDAR H., Project Supported by Higher Education Institutions, "Comminution 2016" Kongre Katılımı (11-14 Nisan 2016), 2016 - 2016

DÜNDAR H., Project Supported by Higher Education Institutions, Yardımcı Doçentlik Destek, 2016 - 2016

## **Metrics**

Publication: 31

Citation (WoS): 95

Citation (Scopus): 86

H-Index (WoS): 6

H-Index (Scopus): 5

## **Non Academic Experience**

Metso Minerals Process Technology (Asia-Pasific)