

## Asst. Prof. HAKAN DÜNDAR

### Personal Information

Email: hdundar@hacettepe.edu.tr

### Education Information

Doctorate, Hacettepe Üniversitesi, 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 Üniversitesi, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, 2018 - Continues

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

### Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- 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 (Journal Indexed in SCI)
- II. **Investigating multicomponent breakage in cement grinding**  
DÜNDAR H., Benzer H.  
MINERALS ENGINEERING, vol.77, pp.131-136, 2015 (Journal Indexed in SCI)
- III. **Application of population balance model to HPGR crushing**  
DÜNDAR H., BENZER H., Aydogan N.  
MINERALS ENGINEERING, pp.114-120, 2013 (Journal Indexed in SCI)
- 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 (Journal Indexed in SCI)
- 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 (Journal Indexed in SCI)
- 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 (Journal Indexed in SCI)

- VII. **ASSOCIATION OF POLYNEUROPATHY, MENTAL RETARDATION, SENSORINEURAL HEARING LOSS, 6th NERVE PALSY, CONVULSIONS, AND ORAL DYSKINESIA; A PROPABLE NEW NEUROMETABOLIC DISORDER**  
DURŞUN A., YALNIZOĐLU D., DÜNDAR H., ERDEM S., AKARSU A. N. , ÖZGÜL R. K.  
JOURNAL OF INHERITED METABOLIC DISEASE, vol.33, 2010 (Journal Indexed in SCI)
- 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  
(Journal Indexed in SCI)

### 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 (Other Refereed National Journals)
- 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 (Refereed Journals of Other Institutions)

### Books & Book Chapters

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

### Refereed Congress / Symposium Publications in Proceedings

- I. **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
- II. **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
- III. **Application of HPGR, VRM and dry classification in mineral processing**  
DÜNDAR H., BENZER A. H. , AYDOĐAN N. A. , ALTUN O., ALTUN D., TOPRAK N. A.  
International Congress on Mineral Comminution 2017, Peru, Lima, Peru, 11 - 13 May 2017
- IV. **High pressure grinding rolls: Moving from cement to minerals**  
DÜNDAR H., AYDOĐAN N. A. , BENZER A. H.  
IMCET 2017: New Trends in Mining - Proceedings of 25th International Mining Congress of Turkey2017, 11 - 14 April 2017
- V. **Closed circuiting the HPGRs air classification their operations and efficiencies**  
ALTUN O., BENZER A. H. , DÜNDAR H.  
Comminution'xx16, 10 - 14 April 2016
- VI. **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
- VII. **Optmization 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

**VIII. 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

**IX. 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

**X. 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

**XI. Design exercise of an HPGR**

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

Comminution 12, Cape-Town, South Africa, 17 - 20 April 2012

**XII. 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

**XIII. 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

**XIV. 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

**XV. 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

**XVI. 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

**XVII. 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

**XVIII. 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

**XIX. 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, Kırmı 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

## Citations

Total Citations (WOS):87

h-index (WOS):6