

Assoc. Prof. NAMIK ATAKAN AYDOĞAN

Personal Information

Email: naydogan@hacettepe.edu.tr

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

Education Information

2002 - 2006 Doctorate, Hacettepe University, Fen Bilimleri, Maden Müh, Turkey

Dissertations

2006 Yüksek Basınçlı Merdaneli Değirmenlerin Çimento Endüstrisinde Performansının İncelenmesi, Hacettepe Üniversitesi, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, Doctorate

2002 Yüksek Basınçlı Merdaneli Değirmenlerin Matematiksel Modellemesi, Hacettepe Üniversitesi, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, Postgraduate

Research Areas

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

Academic Titles / Tasks

1999 - Continues Associate Professor, Hacettepe University, Mühendislik Fakültesi, Maden Mühendisliği Bölümü

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **An extraction of copper from recycling plant slag by using falcon concentrator**
KADEMLİ M., AYDOĞAN N. A.
GOSPODARKA SUROWCAMI MINERALNYMI-MINERAL RESOURCES MANAGEMENT, vol.35, no.1, pp.117-128, 2019 (SCI-Expanded)
- II. **Effect of operational conditions on Falcon concentrator performance with different particle size fractions**
AYDOĞAN N. A., KADEMLİ M.
Particulate Science and Technology, 2019 (SCI-Expanded)
- III. **A simple sampling method for VRMs**
AYDOĞAN N. A.
ZKG INTERNATIONAL, vol.68, no.3, pp.51-55, 2015 (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. **Comparison of the overall circuit performance in the cement industry: High compression milling vs. ball milling technology**
AYDOĞAN N. A., BENZER H.
MINERALS ENGINEERING, vol.24, pp.211-215, 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. **Circuit high pressure grinding rolls (HPGR) in a cement grinding plant Part 2: Effect of operating parameters**

AYDOĞAN N. A., ERGUN L.

ZKG INTERNATIONAL, vol.64, no.1, pp.59-64, 2011 (SCI-Expanded)

VIII. **Circuit high pressure grinding rolls (HPGR) in a cement grinding plant Part 1: Evaluation of overall performance**

AYDOĞAN N. A., ERGUN L.

ZKG INTERNATIONAL, vol.63, no.11, pp.53-59, 2010 (SCI-Expanded)

IX. **High pressure grinding rolls (HPGR) applications in the cement industry**

Aydogan N. A., ERGUN L., BENZER H.

MINERALS ENGINEERING, vol.19, no.2, pp.130-139, 2006 (SCI-Expanded)

X. **Modeling and simulation of cement mills in Cement Australia**

Aydogan N. A., YARDI J.

ZKG INTERNATIONAL, vol.59, no.9, pp.70-77, 2006 (SCI-Expanded)

Articles Published in Other Journals

I. **Flotasyon Tesis Tasarımı ve Optimizasyonu Amacıyla Geliştirilen Yeni Modelleme Yaklaşımının Değerlendirilmesi**

GÜLSOY Ö. Y., ERGÜN Ş. L., AYDOĞAN N. A.

Madencilik Dergisi, vol.42, pp.11-23, 2003 (Peer-Reviewed Journal)

Papers Published in Refereed Scientific Meetings

I. **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 COMMINATION CLASSIFICATION, İzmir, Turkey, 11 - 14 September 2017

II. **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

III. **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

IV. **Operational Parameters Affecting the Vertical roller Mill Performance**

ALTUN D., BENZER A. H., AYDOĞAN N. A., Gerold C.

Comminution 16, 10 - 15 April 2016

V. **Simulation aided energy optimization of a Cu Zn ore grinding circuit**

ALTUN O., BENZER A. H., AYDOĞAN N. A., TOPRAK N. A., Arslan A., Nihan S.

14th International Mineral Processing Symposium, 15 - 17 October 2014

VI. **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

VII. **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

VIII. **Effect of the Recycling Load on the High Pressure Grinding Rolls HPGR Performance**

ÖZCAN Ö., AYDOĞAN N. A., BENZER A. H.

13th EUROPEAN SYMPOSIUM ON COMMINUTION AND CLASSIFICATION, Braunschweig, Germany, 9 - 12 September 2013, pp.51-52

IX. Design exercise of an HPGR

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

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

X. 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

XI. 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

XII. 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

XIII. Investigation of producing cement with lower cost and higher quality by chemicals used in grinding operation

TOPRAK N. A., ALTUN O., AYDOĞAN N. A., BENZER A. H.

12th International mineral processing symposium, 6 - 08 October 2010

XIV. Design And Optimization Of Cement Grinding Circuits Using Simulation

BENZER A. H., ERGÜN Ş. L., ÇELİK İ. B., Günlü A., AYDOĞAN N. A.

New Trends in Mineral Processing, Czech Republic, 28 June 2001, pp.199-206

Supported Projects

2017 - 2017

16th ICC International Clay Conference, Project Supported by Higher Education Institutions

Metrics

Publication: 26

Citation (WoS): 83

Citation (Scopus): 126

H-Index (WoS): 6

H-Index (Scopus): 6

Non Academic Experience

2004 - 2005

Cement Australia , Araştırma mühendisi