

# **Assoc. Prof. NAMIK ATAKAN AYDOĞAN**

## **Personal Information**

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**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,<br>Hacettepe Üniversitesi, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, Doctorate |
| 2002 | Yüksek Basınçlı Merdaneli Değirmenlerin Matematiksel Modellemesi, Hacettepe Üniversitesi,<br>Mühendislik Fakültesi, Maden Mühendisliği Bölümü, Postgraduate                      |

## **Research Areas**

Mining Engineering and Technology, Ore-Dressing, Communion-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)

## **Refereed Congress / Symposium Publications in Proceedings**

- 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 COMMINUTION 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 Turkey2017, 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. 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 Syposium, 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

## Supported Projects

2017 - 2017

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

## Metrics

Publication: 25

Citation (WoS): 83

Citation (Scopus): 126

H-Index (WoS): 6

H-Index (Scopus): 6

## Non Academic Experience

2004 - 2005

Cement Australia