

Asst. Prof. EMRE YILMAZKAYA

Personal Information

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Education Information

Doctorate, Hacettepe University, Fen Bilimleri Enstitüsü, Maden Mühendisliği Anabilim Dalı, Turkey 2007 - 2013

Postgraduate, Hacettepe University, Fen Bilimleri Enstitüsü, Maden Mühendisliği Anabilim Dalı, Turkey 2004 - 2007

Undergraduate, Hacettepe University, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, Turkey 1999 - 2004

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Mining Engineering and Technology, Mining Operations, Marble Management and Processing, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Hacettepe University, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, 2004 - 2013

Academic and Administrative Experience

Hacettepe Üniversitesi, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, 2014 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. Amperage prediction in mono-wire cutting operation using multiple regression and artificial neural network models
YILMAZKAYA E.
Neural Computing and Applications, vol.35, no.18, pp.13343-13358, 2023 (SCI-Expanded)
- II. Prediction of mono-wire cutting machine performance parameters using artificial neural network and regression models
YILMAZKAYA E., DAĞDELENLER G., ÖZÇELİK Y., SÖNMEZ H.
ENGINEERING GEOLOGY, vol.239, pp.96-108, 2018 (SCI-Expanded)
- III. The Effects of Operational Parameters on a Mono-wire Cutting System: Efficiency in Marble Processing
YILMAZKAYA E., ÖZÇELİK Y.

- ROCK MECHANICS AND ROCK ENGINEERING, vol.49, no.2, pp.523-539, 2016 (SCI-Expanded)
- IV. The effects of freeze-thaw cycles on the gloss values of polished stone surfaces
ÖZÇELİK Y., CAREDDU N., YILMAZKAYA E.
COLD REGIONS SCIENCE AND TECHNOLOGY, vol.82, pp.49-55, 2012 (SCI-Expanded)
- V. A Study of nozzle angle in stone surface treatment with water jets
ÖZÇELİK Y., TERCAN A. E., YILMAZKAYA E., CICCU R., COSTA G.
CONSTRUCTION AND BUILDING MATERIALS, vol.25, no.11, pp.4271-4278, 2011 (SCI-Expanded)
- VI. The effect of the rock anisotropy on the efficiency of diamond wire cutting machines
ÖZÇELİK Y., YILMAZKAYA E.
INTERNATIONAL JOURNAL OF ROCK MECHANICS AND MINING SCIENCES, vol.48, no.4, pp.626-636, 2011 (SCI-Expanded)

Books & Book Chapters

- I. Delme-Patlatma
UYAR G. G., AKSOY C. O., AYDINER K., FİŞNE A., CİHANGİR F., ÖZÇELİK Y., ERDEM B., YARALI O., ÖZACAR V., KULAKSIZ S., et al.
in: Temel Madencilik Bilgileri, C.Okay Aksoy, Eren Kömürlü, H. Eray Yaman,, Editor, mAYEB, 2017

Refereed Congress / Symposium Publications in Proceedings

- I. TEKTELLİ KESME PARAMETRELERİNİN ÇAMUR TANE BOYUNA ETKİLERİ
YILMAZKAYA E., ALTUN O., ÖZÇELİK Y.
Türkiye 26. Uluslararası Madencilik Kongresi ve Sergisi'ne (IMCET 2019), 16 - 19 April 2019
- II. EFFECTS OF TEMPERATURE ON MECHANICAL PROPERTIES OF SOME CARBONATE ROCKS FROM TURKEY
ÖZÇELİK Y., YILMAZKAYA E., ERCANOĞLU M., SÖNMEZ H., Özgüven A.
IMCET 2019, 16 - 19 April 2019
- III. Effects of the Diameter of Diamond Beads on Cutting in Monowire Block Cutting System
YILMAZKAYA E., ÖZÇELİK Y.
9th International Marble and Natural Stones Congress and Exhibition of Turkey, Antalya, Turkey, 13 - 15 December 2017, pp.145-151
- IV. Bilgisayar Kontrollü TekTelli Blok Kesme Sisteminin Tanıtılması
YILMAZKAYA E., ÖZÇELİK Y.
6th International Congress of Mining Machinery Technologies, 18 - 21 October 2017
- V. Development of Cuttability Abacuses for Real Marble Rock Types in Diamond Wire Cutting Method
KANBİR E. S., ÖZÇELİK Y., YILMAZKAYA E.
6th International Conference on Computer Applications in the Minerals Industries, 5 - 07 October 2016
- VI. Investigation of the Effects of Number of Bead per Meter on Cutting in Monowire Block Cutting System
YILMAZKAYA E., ÖZÇELİK Y., KANBİR E. S.
6th International Conference on Computer Applications in the Minerals Industries, 5 - 07 October 2016
- VII. Development of cuttability chart for a marble cutting with monowire cutting machine
YILMAZKAYA E., ÖZÇELİK Y.
3rd International Conference on Stone and Concrete Machining, Bochum, Germany, 2 - 03 November 2015
- VIII. Development of Cuttability Chart for a Limestone Cutting with Monowire Cutting Machine
YILMAZKAYA E., ÖZÇELİK Y.
49th U.S. Rock Mechanics/Geomechanics Symposium, San Fransisko, United States Of America, 28 June - 01 July 2015

Supported Projects

YILMAZKAYA E., ÖZÇELİK Y., KANBİR E. S., Project Supported by Higher Education Institutions, Tektelli Blok Kesme Sisteminde Metredeki Boncuk Sayısının Kesime Etkilerinin İncelenmesi, 2016 - 2017

YILMAZKAYA E., ÖZÇELİK Y., ALTUN O., Project Supported by Higher Education Institutions, Tektelli Kesim Makinelerinde Mermer Kesme Veriminin Mermer Tozu Tane Boyu ile Kontrolü, 2016 - 2017

ÖZÇELİK Y., YILMAZKAYA E., Project Supported by Higher Education Institutions, ST ve Katraklarla Kesimi Problemlı Olan Doğal Taşların Tektelli Blok Kesme Sistemiyle Kesiminin İncelenmesi, 2016 - 2017

YILMAZKAYA E., ÖZÇELİK Y., Project Supported by Higher Education Institutions, Monotelli Kesme Makinesi ile Mermer Kesimi için Kesilebilirlik Abağının Geliştirilmesi, 2015 - 2016

ÖZÇELİK Y., YILMAZKAYA E., Project Supported by Higher Education Institutions, Tektelli Blok Kesme Sisteminde Elmas Boncuk Çapının Kesime Etkisi, 2015 - 2015

Metrics

Publication: 15

Citation (WoS): 76

Citation (Scopus): 84

H-Index (WoS): 4

H-Index (Scopus): 4

Non Academic Experience

Hacettepe Üniversitesi

Park Teknik A.Ş.