

## Asst. Prof. EMRE YILMAZKAYA

### Personal Information

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### Education Information

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

Post Graduate, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Maden Mühendisliği Anabilim Dalı, Turkey 2004 - 2007

Under Graduate, Hacettepe Üniversitesi, 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 Üniversitesi, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, 2004 - 2013

### Professional Experience

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

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

- I. **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 (Journal Indexed in SCI)
- II. **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 (Journal Indexed in SCI)
- III. **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 (Journal Indexed in SCI)
- IV. **A Study of nozzle angle in stone surface treatment with water jets**  
ÖZÇELİK Y., TERCAN A. E., YILMAZKAYA E., CICCUCO R., COSTA G.

CONSTRUCTION AND BUILDING MATERIALS, vol.25, no.11, pp.4271-4278, 2011 (Journal Indexed in SCI)

**V. 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 (Journal Indexed in SCI)

## **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 Problemlili 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

## Citations

Total Citations (WOS):76

h-index (WOS):4