

Asst. Prof. MURAT ÜNAL

Personal Information

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Education Information

Doctorate, Hacettepe University, Fen Bilimleri Enstitüsü, Maden Mühendisliği, Turkey 1994 - 2000

Postgraduate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Maden Mühendisliği, Turkey 1990 - 1993

Undergraduate, Middle East Technical University, Faculty Of Engineering, Maden Mühendisliği, Turkey 1984 - 1989

Dissertations

Doctorate, Modelling of discontinuity surface roughness and investigation of its effects on shear strength, Hacettepe University, Graduate School Of Natural And Applied Sciences, Maden Mühendisliği, 2000

Postgraduate, Numerical analysis of rock wedge stability at the roof of underground openings, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Maden Mühendisliği, 1993

Research Areas

Mining Engineering and Technology, Mining Operations, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Canakkale Onsekiz Mart University, Mühendislik Fakültesi, Maden Mühendisliği, 2015 - Continues
Assistant Professor, Batman University, Faculty Of Engineering-Architecture, Petrol Ve Doğalgaz Mühendisliği, 2010 - 2015

Assistant Professor, Selcuk University, Faculty Of Engineering-Architecture, Maden Mühendisliği, 2003 - 2010

Research Assistant PhD, Selcuk University, Faculty Of Engineering-Architecture, Maden Mühendisliği, 2000 - 2003

Research Assistant, Hacettepe University, Mühendislik Fakültesi, Maden Mühendisliği, 1998 - 2000

Research Assistant, Selcuk University, Faculty Of Engineering-Architecture, Maden Mühendisliği, 1992 - 1998

Academic and Administrative Experience

Batman University, Mühendislik-Mimarlık Fakültesi, Petrol Ve Doğalgaz Mühendisliği, 2010 - 2013

Courses

Tahkimat, Undergraduate, 2017 - 2018

Yeraltı üretim yöntemleri, Undergraduate, 2017 - 2018

Advising Theses

- ÜNAL M., Usage of different geotechnical methods in landslide analysis and comparative study: A case study in Zonguldak Kozlu, Doctorate, C.AĞAN(Student), 2009
- ÜNAL M., Investigation of the salt induced decay of some tuffs used as building Stone, Postgraduate, N.GÜNDOĞDU(Student), 2007
- ÜNAL M., Evaluation of the blasting vibrations in limestone quarry around konya cement factory, Postgraduate, H.Levent(Student), 2007
- ÜNAL M., Investigation of the relation between texture and mechanical properties of rocks, Postgraduate, B.KEKEÇ(Student), 2005

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Performance of Pressuremeter Tests to Estimate the Position of the Sliding Surface: A Case Study in Zonguldak, Turkey**
Agan C., Unal M.
GEOTECHNICAL TESTING JOURNAL, vol.36, no.4, pp.584-591, 2013 (SCI-Expanded)
- II. **Effect of the textural properties of rocks on their crushing and grinding features**
KEKEC B., Unal M., SENSOGUT C.
JOURNAL OF UNIVERSITY OF SCIENCE AND TECHNOLOGY BEIJING, vol.13, no.5, pp.385-392, 2006 (SCI-Expanded)
- III. **Characterization of rock joint surface degradation under shear loads**
Unal M., UNVER B.
INTERNATIONAL JOURNAL OF ROCK MECHANICS AND MINING SCIENCES, vol.41, no.3, pp.380-381, 2004 (SCI-Expanded)

Articles Published in Other Journals

- I. **Effect of Salt Crystallization on the Building Stones Used in Konya Central Turkey**
ZEDEF V., ÜNAL M.
Int.J.Econ. Environ. Geol., 2010 (Peer-Reviewed Journal)
- II. **Effect of microwave treatment on the ultrasonic velocity and breakage rate of some rocks**
ÖZKAN A., ÜNAL M., KEKEC B.
S.Ü. Engineering-Architecture Buleten, 2006 (Peer-Reviewed Journal)
- III. **Yeraltı Boşlukları Çevresindeki Blokların Duraylılığının Sınır Eleman Yöntemi Kullanılarak İncelenmesi**
ÜNAL M.
P.Ü. Mühendislik bilimleri dergisi, 2002 (Peer-Reviewed Journal)
- IV. **Kayaların bozunma özelliklerinin yerüstü kazıları ve yeraltı açıklıklarının duraylılığına etkisi**
UNVER B., ÜNAL M.
TMMOB Maden Mühendisleri Odası Yayını, 1995 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Investigation of Hasankeyf Batman ancient settlement area s rock stability**
NALBANTÇILAR M. T., ÜNAL M.
III.International marble and Natural Stone congress, 5 - 07 February 2013
- II. **Investigation of the texture, physical and mechanical properties of some rocks used as building stone**
Kekcec B., Unal M.
7th International Scientific Conference on Modern Management of Mine Producing, Geology and Environmental

Protection, SGEM 2007, Albena, Bulgaria, 11 - 15 June 2007

III. Investigation of the salt-induced decay in building stone

Unal M., Oksuzoglu C., Berber H.

6th International Scientific Conference on Modern Management of Mine Producing, Geology and Environmental protection, SGEM 2006, Albena, Bulgaria, 12 - 16 June 2006, pp.83-90

IV. Description of the relationship between physicommechanical properties and size reduction processing of rocks

Kekec B., Unal M.

6th International Scientific Conference on Modern Management of Mine Producing, Geology and Environmental protection, SGEM 2006, Albena, Bulgaria, 12 - 16 June 2006, pp.187-200

V. An analysis of the effect of discontinuity surface matching on shear strength by image processing

Unal M., UNVER B.

17th International Mining Congress and Exhibition of Turkey (IMCET 2001), Ankara, Turkey, 19 - 22 June 2001, pp.425-430

VI. Modelling of discontinuity surface roughness by digital photogrammetry and geostatistical methods

Unal M., UNVER B., TERCAN E.

9th International Symposium on Mine Planning and Equipment Selection, Athens, Greece, 6 - 09 November 2000, pp.391-396

Metrics

Publication: 15

Citation (WoS): 28

Citation (Scopus): 33

H-Index (WoS): 3

H-Index (Scopus): 3