

## **Asst. Prof. MURAT ÜNAL**

### **Personal Information**

**Email:** muratunal@comu.edu.tr

### **Education Information**

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

Post Graduate, Middle East Technical University, Fen Bilimleri Enstitüsü, Maden Mühendisliği, Turkey 1990 - 1993

Under Graduate, Middle East Technical University, Mühendislik Fakültesi, 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

Post Graduate, 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, Mühendislik-Mimarlık Fakültesi, Petrol Ve Doğalgaz Mühendisliği, 2010 - 2015

Assistant Professor, Selcuk University, Mühendislik-Mimarlık Fakültesi, Maden Mühendisliği, 2003 - 2010

Research Assistant PhD, Selcuk University, Mühendislik-Mimarlık Fakültesi, Maden Mühendisliği, 2000 - 2003

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

Research Assistant, Selcuk University, Mühendislik-Mimarlık Fakültesi, Maden Mühendisliği, 1992 - 1998

### **Professional Experience**

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

### **Courses**

Tahkimat, Under Graduate, 2017 - 2018

Yeraltı üretim yöntemleri, Under Graduate, 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 tufts used as building Stone, Post Graduate, N.GÜNDOĞDU(Student), 2007

ÜNAL M., Evaluation of the blasting vibrations in limestone quarry around konya cement factory, Post Graduate, H.Levent(Student), 2007

ÜNAL M., Investigation of the relation between texture and mechanical properties of rocks, Post Graduate, B.KEKEÇ(Student), 2005

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

- **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, pp.584-591, 2013 (Journal Indexed in SCI)
- **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, pp.385-392, 2006 (Journal Indexed in SCI)
- **Characterization of rock joint surface degradation under shear loads**  
Unal M., UNVER B.  
INTERNATIONAL JOURNAL OF ROCK MECHANICS AND MINING SCIENCES, vol.41, pp.380-381, 2004 (Journal Indexed in SCI)

### Articles Published in Other Journals

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

### Refereed Congress / Symposium Publications in Proceedings

- **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
- **Investigation of the texture, physical and mechanical properties of some rocks used as building stone**  
Kekec 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

● **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

● **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

● **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

● **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

## Citations

Total Citations (WOS):29

h-index (WOS):3