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Education Information

Doctorate, Eskisehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Maden Mühendisliği
(Dr), Turkey 1999 - 2004
Postgraduate, Eskisehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Maden
Mühendisliği (Yl) (Tezli), Turkey 1994 - 1996
Undergraduate, Anadolu University, Faculty Of Engıneerıng-Archıtecture, Department Of
Mınıng Engıneerıng, Turkey 1990 - 1994

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Bulanık kümelerin sökücü seçimi amacıyla kazılabilirlik sınıflama sistemlerine uygulanması, Eskisehir
Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Maden Mühendisliği (Dr), 2004
Postgraduate, Sıvıların kayaçların mekanik dayanımları ve aşındırıcılıkları üzerindeki etkisi, Eskisehir Osmangazi
University, FEN BİLİMLERİ ENSTİTÜSÜ, Maden Mühendisliği (Yl) (Tezli), 1996

Research Areas

Excavation Techniques, Engineering and Technology

Academic Titles / Tasks

Professor, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, MADEN MÜHENDİSLİĞİ BÖLÜMÜ,
2018 - Continues
Associate Professor, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, MADEN MÜHENDİSLİĞİ
BÖLÜMÜ, 2013 - 2018

Research Assistant, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, MADEN MÜHENDİSLİĞİ BÖLÜMÜ, 1994 - 2007

Academic and Administrative Experience

Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, Maden Mühendisliği Bölümü, 2012 - 2016

Courses

Fuzzy Logic Applications in Mining, Postgraduate, 2021 - 2022
Mining Machines, Undergraduate, 2022 - 2023
Excavation Machines and Mechanization, Undergraduate, 2021 - 2022
Rock Slope Stability, Undergraduate, 2022 - 2023

Advising Theses

İPHAR M., Mermer ocaklarında kullanılan elmas tel kesme makinası performansının bulanık mantık yaklaşımıyla belirlenmesi, Postgraduate, K.ÖZGÜLEÇ(Student), 2020
İPHAR M., Mine-to-mill optimisation for increased throughput and profitability, Postgraduate, S.CHANDA(Student), 2019
İPHAR M., Bulanık mantık yöntemi kullanılarak yeraltı mekanize kömür ocaklarındaki risklerin değerlendirilmesi, Postgraduate, A.KIVANÇ(Student), 2018
KONUK A., İPHAR M., Bulanık mantık yaklaşımıyla kaynak/rezerv sınıflandırması, Doctorate, E.ÖZKAN(Student), 2011

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Fuzzy risk assessment for mechanized underground coal mines in Turkey**
   İPHAR M., Cukurluoz A. K.
   INTERNATIONAL JOURNAL OF OCCUPATIONAL SAFETY AND ERGONOMICS, vol.26, no.2, pp.256-271, 2020 (SSCI)
II. **A mobile application based on multi-criteria decision-making methods for underground mining method selection**
   İPHAR M., ALPAY Ş.
   INTERNATIONAL JOURNAL OF MINING RECLAMATION AND ENVIRONMENT, vol.33, no.7, pp.480-504, 2019 (SCI-Expanded)
III. **Fuzzy logic approach in resource classification**
   ÖZKAN E., İPHAR M., KONUK A.
   INTERNATIONAL JOURNAL OF MINING RECLAMATION AND ENVIRONMENT, vol.33, no.3, pp.183-205, 2019 (SCI-Expanded)
IV. **Equipment selection based on two different fuzzy multi criteria decision making methods: Fuzzy TOPSIS and fuzzy VIKOR**
   ALPAY Ş., İPHAR M.
   OPEN GEOSCIENCES, vol.10, no.1, pp.661-677, 2018 (SCI-Expanded)
V. **ANN and ANFIS performance prediction models for hydraulic impact hammers**
   İPHAR M.
   TUNNELLING AND UNDERGROUND SPACE TECHNOLOGY, vol.27, no.1, pp.23-29, 2012 (SCI-Expanded)
VI. **Reply to the discussion on "Prediction of ground vibrations resulting from the blasting operations in an open pit mine by adaptive neuro-fuzzy inference system" by Yavuz Karsavran**
   İPHAR M., YAVUZ M., AK H.
   ENVIRONMENTAL EARTH SCIENCES, vol.60, no.6, pp.1343-1345, 2010 (SCI-Expanded)

VII. **Reply to the comment on "Prediction of ground vibrations resulting from the blasting operations in an open pit mine by adaptive neuro-fuzzy inference system" by Tarkan Erdik**
İPHAR M., YAVUZ M., AK H.
ENVIRONMENTAL EARTH SCIENCES, vol.59, no.2, pp.473-476, 2009 (SCI-Expanded)

VIII. **Evaluation of ground vibration effect of blasting operations in a magnesite mine**
AK H., İPHAR M., YAVUZ M., KONUK A.
SOIL DYNAMICS AND EARTHQUAKE ENGINEERING, vol.29, no.4, pp.669-676, 2009 (SCI-Expanded)

IX. **Prediction of ground vibrations resulting from the blasting operations in an open-pit mine by adaptive neuro-fuzzy inference system**
İPHAR M., YAVUZ M., AK H.
ENVIRONMENTAL GEOLOGY, vol.56, no.1, pp.97-107, 2008 (SCI-Expanded)

X. **The optimum support design selection by using AHP method for the main haulage road in WLC Tuncbilek colliery**
Yavuz M., İPHAR M., Once G.
TUNNELLING AND UNDERGROUND SPACE TECHNOLOGY, vol.23, no.2, pp.111-119, 2008 (SCI-Expanded)

XI. **An application of fuzzy sets to the Diggability Index Rating Method for surface mine equipment selection**
İPHAR M., Goktan R.
INTERNATIONAL JOURNAL OF ROCK MECHANICS AND MINING SCIENCES, vol.43, no.2, pp.253-266, 2006 (SCI-Expanded)

Articles Published in Other Journals

I. **Açık işletmelerde kayaç sökülebilirlik tayin yöntemleri**
GÖKTAN R. M., İPHAR M.
MT Bilimsel Yeraltı Kaynakları Dergisi, vol.2, no.3, pp.1-16, 2013 (Peer-Reviewed Journal)

II. **The effect of liquids on mechanical strength and abrasiveness of rocks**
İPHAR M., GÖKTAN R. M.
Journal of Engineering and Architectural Faculty of Osmangazi University, vol.1, pp.1-14, 2003 (Peer-Reviewed Journal)

Books & Book Chapters

I. **4. Uluslararası Bor Sempozyumu**
KONUK A., KURAMA H., AK H., İPHAR M.
TMMBO Maden Mühendisleri Odası, Eskişehir, 2009

Refereed Congress / Symposium Publications in Proceedings

I. **Mekanize Yeraltı Kömür Ocakları için Risk Analizi**
İPHAR M., Çukurluöz A. K.
Uluslararası Maden İşletmelerinde İşçi Sağlığı ve İş Güvenliği Sempozyumu'xx2017, Adana, Turkey, 2 - 03 November 2017, pp.228-245

II. **Continuous Rating for Diggability Assessment in Surface Mines**
İPHAR M.
World Multidisciplinary Earth Sciences symposium (WMESS), Prague, Czech Republic, 5 - 09 September 2016, vol.44

III. **ESOGÜ BAP Başvuru ve Takip Web Yazılımı**

İPHAR M., ÖZBAŞARAN H., YILDIRIM H.

Akademik Bilişim Konferansı AB2015, Eskişehir, Turkey, 4 - 06 February 2015

IV. **Bir Maden İşletmesinde Patlatmadan Kaynaklanan Çevresel Etkilerin Analizi**

AK H., İPHAR M., YAVUZ M., KONUK A.

VII. Delme Patlatma Sempozyumu, Eskişehir, Turkey, 7 - 08 November 2013

V. **Açık İşletmelerde Patlatmadan Kaynaklanan Yer Sarsıntılarının Esnek Hesaplama Yöntemiyle Tahmini**

İPHAR M., AK H., YAVUZ M.

4. Madencilik ve Çevre Sempozyumu, İzmir, Turkey, 2 - 03 June 2011, pp.143-150

VI. **TUNNEL DRIVAGE PERFORMANCE PREDICTION OF HYDRAULIC IMPACT HAMMERS USING ADAPTIVE NEURO-FUZZY INFERENCE SYSTEM (ANFIS)**

İPHAR M.

10th International Multidisciplinary Scientific GeoConference SGEM 2010, Albena, Bulgaria, 20 - 26 June 2010, pp.611-618

VII. **Sinirsel bulanık sistemler Açık işletmelerde delme patlatma alanında bir uygulama**

İPHAR M.

Yerbilimlerinde Esnek Hesaplama Yöntemleri Sempozyumu, Sivas, Turkey, 12 - 13 May 2008

VIII. **Adaptive neuro fuzzy inference system ANFIS modeling for predicting rock uniaxial compressive strength from schmidt hammer hardness**

İPHAR M., GÖKTAN R. M.

Proceedings of the Sri Lankan Geotechnical Society's First International Conference on Soil & Rock Engineering, Colombo, Brazil, 5 - 11 August 2007

IX. **Mermerlerde sürtünme ile aşınma kaybının uyarlanabilir sinirsel bulanık ağ etkileşim sistemi yardımıyla kestirilmesi**

İPHAR M., GÖKTAN R. M.

MERSEM'2006 Türkiye V. Mermer ve Doğal Taş Sempozyumu, AFYON, Turkey, 2 - 03 March 2006, pp.171-182

X. **The Effect of Tunnel Inclination and k Ratio on the Behavior of Surrounding Rack Mass**

AKSOY M., İPHAR M., YAVUZ M., ÖNCE G.

3rd International FLAC Symposium, Sudbury, Canada, 21 - 24 October 2003

XI. **Evaluation of floor heaving in galleries by numerical analysis**

YAVUZ M., İPHAR M., AKSOY M., ÖNCE G.

31st International Symposium on Application of Computers and Operations Research in the Minerals Industries, The South African Institute of Mining and Metallurgy, Cape-Town, South Africa, 14 - 16 May 2003, pp.185-189

XII. **Evaluation of Flor Heaving in Galleries by Numerical Analysis**

YAVUZ M., İPHAR M., AKSOY M., ÖNCE G.

31st Application of Computers and Operations Research in the Mineral Industry, Cape-Town, South Africa, 14 - 16 May 2003

XIII. **The effect of tunnel inclination and "k" ratio on the behavior of surrounding rock mass**

İPHAR M., Aksoy A., Yavuz M., Once G.

3rd International FLAC Symposium, Sudbury, Canada, 21 - 24 October 2003, pp.127-134

XIV. **Study of ground control of the main transport road of the deep coal seam panels of GLI Tuncbilek mine in Turkey**

Once G., İPHAR M., Yavuz M.

2nd International FLAC Symposium, Lyon, France, 29 - 31 October 2001, pp.281-286

Supported Projects

Metrics

Publication: 28
Citation (WoS): 435
Citation (Scopus): 513
H-Index (WoS): 9
H-Index (Scopus): 9