

Prof. MAHMUT YAVUZ



Personal Information

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Odunpazarı / Eskişehir / TÜRKİYE



International Researcher IDs

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Publons / Web Of Science ResearcherID: AAH-1351-2020

ScopusID: 36182631800

Yoksis Researcher ID: 16355

Education Information

Doctorate, Eskişehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Maden Mühendisliği (Dr), Turkey 1996 - 2002

Postgraduate, Eskişehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Maden Mühendisliği (YI) (Tezli), Turkey 1994 - 1996

Undergraduate, Anadolu University, Faculty Of Engineering-Architecture, Department Of Mining Engineering, Turkey 1990 - 1994

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Yeraltı mekanize kömür panolarının boyutlarının optimum olarak belirlenmesi, Eskişehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Maden Mühendisliği (Dr), 2002

Postgraduate, Tunçbilek kömür panolarının sınır elemanlar yöntemi ile analizi, Eskişehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Maden Mühendisliği (YI) (Tezli), 1996

Research Areas

Mining Engineering and Technology, Production Methods (open-pit and underground), Mine Transport Systems, Open pit and underground production planning, Ore Bed Modeling, Mining Engineering Process Design, Management and Economics, Mining Methods and Mining System Analysis

Academic Titles / Tasks

Professor, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, MADEN MÜHENDİSLİĞİ BÖLÜMÜ, 2015 - Continues
Associate Professor, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, MADEN MÜHENDİSLİĞİ BÖLÜMÜ, 2010 - 2015
Assistant Professor, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, MADEN MÜHENDİSLİĞİ BÖLÜMÜ, 2003 - 2010
Research Assistant, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, MADEN MÜHENDİSLİĞİ BÖLÜMÜ, 1996 - 2003

Academic and Administrative Experience

Bölüm Akademik Teşvik Değerlendirme Komisyonu Üyesi, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, MADEN MÜHENDİSLİĞİ BÖLÜMÜ, 2023 - Continues
Head of Department, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, Maden Mühendisliği Bölümü, 2019 - 2022
Bölüm Akademik Teşvik Değerlendirme Komisyonu Üyesi, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, MADEN MÜHENDİSLİĞİ BÖLÜMÜ, 2019 - 2021
Fakülte Kurulu Üyesi, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, 2016 - 2019
Rektörlük Akademik Teşvik Değerlendirme Komisyonu Üyesi, Eskisehir Osmangazi University, REKTÖRLÜK, 2017 - 2018
BAP Scientific Commissioner, Eskisehir Osmangazi University, REKTÖRLÜK, 2010 - 2018
Eskisehir Osmangazi University, REKTÖRLÜK, 2010 - 2015

Courses

MADENLERDE ULAŞIM ARAŞTIRMALARI(A), Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013
MADENCİLİKTE OPTİMİZASYON UYGULAMALARI (A), Postgraduate, 2022 - 2023, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2006 - 2007, 2005 - 2006, 2004 - 2005
MADENCİLİKTE SİSTEM ANALİZİ(A), Undergraduate, 2022 - 2023, 2020 - 2021, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006
BİLGİSAYAR DESTEKLİ MADEN İŞLETME TASARIMI(A), Undergraduate, 2022 - 2023, 2020 - 2021, 2019 - 2020, 2018 - 2019
MADENLERDE ULAŞIM VE SU ATIMI(A), Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003
Teknik Resim, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004
TAM MEKANİZE KÖMÜR MADENCİLİĞİNDE ÖZEL KONULAR(A), Doctorate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007
MADENCİLİKTE SİSTEM ANALİZİ(A), Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006
MADENLERDE ULAŞIM ARAŞTIRMALARI(A), Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013
MADENLERDE ULAŞIM VE SU ATIMI(A) , Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 -

2004, 2002 - 2003

Madencilikte Bilgisayar Uygulamaları, Undergraduate, 2014 - 2015, 2013 - 2014, 2004 - 2005, 2003 - 2004

Madencilikte Bilgisayar Uygulamaları, Undergraduate, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2006 - 2007, 2004 - 2005, 2003 - 2004

Teknik Resim, Undergraduate, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004

Madenlerde Ulaşım Çözümlemesi, Undergraduate, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003

Madenlerde Ulaşım Çözümlemesi , Undergraduate, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003

MADENLERDE AÇIK İŞLETME(A), Undergraduate, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004

Advising Theses

Yavuz M., ÇAYIRHAN B LİNYİT SAHASININ REZERV KESTİRİMİ, Postgraduate, F.BÜYÜKBAŞ(Student), 2021

Yavuz M., Makine öğrenimi algoritmalarını kullanarak jeokonumsal verilerin tahmini, Doctorate, G.ERDOĞAN(Student), 2021

Yavuz M., Stability assessment of post pillars in cut-and-fill stoping method at trepça underground mine, Doctorate, G.IBİSHI(Student), 2019

Yavuz M., Yeraltı ocaklarında bilgisayar destekli maden tasarımı ve kazı arınlarının optimizasyonu, Postgraduate, G.ERDOĞAN(Student), 2017

Yavuz M., Susuz boraks tesisinde toplam verimli bakım kapsamında toplam ekipman etkinliği uygulaması, Postgraduate, O.DAĞHAN(Student), 2015

Yavuz M., Mikronize maden öğütme tesisinde toplam ekipman etkinliğinin araştırılması, Postgraduate, E.ALKAN(Student), 2015

Yavuz M., Bir açık işletmede bulanık karar verme yöntemleri kullanarak doğaya yeniden kazandırma projesi seçimi, Postgraduate, B.LAÇİN(Student), 2013

Yavuz M., Okur D. V., Zemin özelliklerinin coğrafi bilgi sistemi ortamında mesafenin tersi ve Kriging yöntemleriyle kestirimi, Postgraduate, B.BAYRAKTAR(Student), 2007

Yavuz M., Türkiye Demir Madenciliği ve gelecekteki durumun değerlendirilmesi, Postgraduate, M.TEZCAN(Student), 2007

Yavuz M., Çekiçler mermer fabrikası'nda kusurlu fayans üretiminin analizi, Postgraduate, E.AYDOĞAN(Student), 2006

Yavuz M., Mermer fabrikaları için en iyi tesis yeri seçimi, Postgraduate, S.ÖZER(Student), 2005

Jury Memberships

Associate Professor Exam, Associate Professor Exam, Eskişehir Osmangazi Üniversitesi, October, 2022

Associate Professor Exam, Associate Professor Exam, Eskişehir Osmangazi Üniversitesi, March, 2022

Associate Professor Exam, Associate Professor Exam, Eskişehir Osmangazi Üniversitesi, January, 2021

Associate Professor Exam, Associate Professor Exam, Eskişehir Osmangazi Üniversitesi, October, 2020

Associate Professor Exam, Associate Professor Exam, Eskişehir Osmangazi Üniversitesi, March, 2020

Associate Professor Exam, Associate Professor Exam, Eskişehir Osmangazi Üniversitesi, October, 2019

Associate Professor Exam, Associate Professor Exam, Eskişehir Osmangazi Üniversitesi, October, 2017

Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Eskişehir Osmangazi Üniversitesi, September, 2017

Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Eskişehir Osmangazi Üniversitesi, May, 2017

Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Eskişehir Osmangazi Üniversitesi, April, 2017

Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Eskişehir Osmangazi

Üniversitesi, May, 2016

Associate Professor Exam, Associate Professor Exam, Eskişehir Osmangazi Üniversitesi, April, 2016

Associate Professor Exam, Associate Professor Exam, Eskişehir Osmangazi Üniversitesi, April, 2016

Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Eskişehir Osmangazi Üniversitesi, August, 2015

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **An analytical network process model for deciding on Türkiye's Coal Mining Policy**
Alpay Ş., Yavuz M.
MINERAL RESOURCES MANAGEMENT, vol.40, no.3, pp.113-134, 2024 (SCI-Expanded)
- II. **Combination of Machine Learning and Kriging for Spatial Estimation of Geological Attributes**
ERDOĞAN ERTEN G., YAVUZ M., Deutsch C. V.
NATURAL RESOURCES RESEARCH, vol.31, pp.191-213, 2022 (SCI-Expanded)
- III. **Post pillars design for safe exploitation at Trepça hard rock of mine (Kosovo) based on numerical modeling**
İbishi G., Geniş M., Yavuz M.
Geomechanics and Engineering, vol.28, no.5, pp.463-475, 2022 (SCI-Expanded)
- IV. **Grid Search Optimised Artificial Neural Network for Open Stope Stability Prediction**
ERDOĞAN ERTEN G., BOZKURT KESER S., YAVUZ M.
International Journal of Mining, Reclamation and Environment, vol.35, pp.600-617, 2021 (SCI-Expanded)
- V. **Implementation and comparison of four stope boundary optimization algorithms in an existing underground mine**
Erdogan G., Cigla M., Topal E., Yavuz M.
International Journal of Mining, Reclamation and Environment, vol.31, no.6, pp.389-403, 2017 (SCI-Expanded)
- VI. **The application of the analytic hierarchy process (AHP) and Yager's method in underground mining method selection problem**
Yavuz M.
INTERNATIONAL JOURNAL OF MINING RECLAMATION AND ENVIRONMENT, vol.29, no.6, pp.453-475, 2015 (SCI-Expanded)
- VII. **Reclamation project selection using fuzzy decision-making methods**
YAVUZ M., Altay B. L.
ENVIRONMENTAL EARTH SCIENCES, vol.73, no.10, pp.6167-6179, 2015 (SCI-Expanded)
- VIII. **Equipment selection based on the AHP and Yager's method**
Yavuz M.
JOURNAL OF THE SOUTHERN AFRICAN INSTITUTE OF MINING AND METALLURGY, vol.115, no.5, pp.425-433, 2015 (SCI-Expanded)
- IX. **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)
- X. **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)
- XI. **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)
- XII. **Underground mining method selection by decision making tools**
ALPAY Ş., YAVUZ M.

- TUNNELLING AND UNDERGROUND SPACE TECHNOLOGY, vol.24, no.2, pp.173-184, 2009 (SCI-Expanded)
- XIII. **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)
- XIV. **Selection of plant location in the natural stone industry using the fuzzy multiple attribute decision making method**
Yavuz M.
JOURNAL OF THE SOUTHERN AFRICAN INSTITUTE OF MINING AND METALLURGY, vol.108, no.10, pp.641-649, 2008 (SCI-Expanded)
- XV. **UNDERGROUND MINING TECHNIQUE SELECTION BY MULTICRITERION OPTIMIZATION METHODS**
Yavuz M., Alpay S.
JOURNAL OF MINING SCIENCE, vol.44, no.4, pp.391-401, 2008 (SCI-Expanded)
- XVI. **The optimum support design selection by using AHP method for the main haulage road in WLC Tuncbilek colliery**
Yavuz M., İPHAR M., Önce G.
TUNNELLING AND UNDERGROUND SPACE TECHNOLOGY, vol.23, no.2, pp.111-119, 2008 (SCI-Expanded)
- XVII. **EQS: a computer software using fuzzy logic for equipment selection in mining engineering by A. Bascetin, O. Oztas, and A.I. Kanli in the Journal of SAIMM, vol. 106, no. 1, pp. 63-70**
Yavuz M., Pillay S.
JOURNAL OF THE SOUTH AFRICAN INSTITUTE OF MINING AND METALLURGY, vol.107, no.2, pp.138, 2007 (SCI-Expanded)
- XVIII. **Analytical hierarchy process for selection of roadheaders, by O. Acaroglu, H. Ergin, and S. Eskikaya in the Journal of SAIMM, vol. 406, no. 8, pp. 569-575**
Yavuz M.
JOURNAL OF THE SOUTH AFRICAN INSTITUTE OF MINING AND METALLURGY, vol.107, no.2, pp.138, 2007 (SCI-Expanded)
- XIX. **Mining method selection by multiple criteria decision making tool by M.R. Bitarafan and M. Ataei in the Journal of SAIMM, vol. 104, no. 9, pp. 493-498**
Yavuz M., Pillay S.
JOURNAL OF THE SOUTH AFRICAN INSTITUTE OF MINING AND METALLURGY, vol.107, no.2, pp.137, 2007 (SCI-Expanded)

Articles Published in Other Journals

- I. **RESERVE ESTIMATION OF CAYIRHAN B LIGNITE FIELD ACCORDING TO THE UMREK CODE**
BÜYÜKBAŞ F., Yavuz M.
Eskişehir Osmangazi Üniversitesi mühendislik ve mimarlık fakültesi dergisi (online), vol.32, no.1, pp.1230-1242, 2024 (Peer-Reviewed Journal)
- II. **Preliminary support design for underground mine adit, Artana mine, Kosovo**
Zeqiri K., Ibishi G., Shabani M., Kortnik J., Bilir M. E., Geniş M., YAVUZ M., Hetemi M., Bacak G.
Mining Science, vol.28, pp.141-159, 2021 (ESCI)
- III. **Grade estimation by a machine learning model using coordinate rotations**
ERDOĞAN ERTEN G., YAVUZ M., Deutsch C. V.
Applied Earth Science: Transactions of the Institute of Mining and Metallurgy, vol.130, pp.57-66, 2021 (ESCI)
- IV. **Underground mining method assessment using decision-making techniques in a fuzzy environment: case study, Trepca mine, Kosovo**
Ibishi G., YAVUZ M., GENİŞ M.
MINING OF MINERAL DEPOSITS, vol.14, no.3, pp.134-140, 2020 (ESCI)
- V. **Kazı Arını Tasarımında Ampirik Yaklaşımların Kullanımı**

ERDOĞAN ERTEN G., YAVUZ M.

Çukurova Üniversitesi Mühendislik Mimarlık Fakültesi Dergisi, vol.34, no.4, pp.231-242, 2019 (Peer-Reviewed Journal)

VI. KAZI ARINI SINIRI OPTİMİZASYONU İÇİN GELİŞTİRİLEN YÖNTEMLER VE ÖRNEK BİR UYGULAMA

ERDOĞAN ERTEN G., YAVUZ M.

Bilimsel Madencilik Dergisi, vol.57, no.4, pp.247-258, 2018 (Scopus)

VII. Application of the TOPSIS Method to Solve Some Decision Making Problems in Mining Operations

YAVUZ M.

Yeraltı Kaynakları Dergisi / Journal of Underground Resources, vol.2, pp.21-34, 2012 (Peer-Reviewed Journal)

VIII. A decision support system for underground mining method selection

ALPAY Ş., YAVUZ M.

Lecture Notes In Computer Science, vol.4570, pp.334, 2007 (Scopus)

IX. Tam Mekanize Uzunayaklarda Tur Zamanı Hesaplamaları

YAVUZ M., ERÇELEBİ S. G.

Osmangazi Üniversitesi Mühendislik Mimarlık Fakültesi Dergisi, vol.8, pp.14-16, 2002 (Peer-Reviewed Journal)

Books & Book Chapters

I. Madenlerde Organizasyon

YAVUZ M.

in: Temel Madencilik Bilgileri, Aksoy, C. Okay Kömürlü, Eren Yaman, Hasan Eray, Editor, Mayeb Basın Yayın İnsan Kaynakları Ltd. Şti, Ankara, pp.629-656, 2017

II. Plant Location Selection in Natural Stone Industry

YAVUZ M., OZER COLPAN S.

in: Key Engineering Materials, Rosa, LG; Silva, ZCG; Lopes, L, Editor, TRANS TECH PUBLICATIONS LTD, LAUBLSRUTISTR 24, CH-8717 STAFA-ZURICH, SWITZERLAND, pp.371-378, 2013

Refereed Congress / Symposium Publications in Proceedings

I. The Implementation of the Different Stope Boundary Optimization Studies in an Existing Underground Mine

ERDOĞAN G., YAVUZ M.

Canadian Institute of Mining, Metallurgy and Petroleum (CIM) Convention Expo, 30 April - 03 May 2017

II. Üç Farklı Kazı Arını Optimizasyon Yönteminin Var Olan Bir Madene Uygulanması ve Sonuçların Karşılaştırılması (Kazı Arını Sınırlarının Optimizasyonuna Örnek Bir Uygulama)

ERDOĞAN G., YAVUZ M.

Türkiye 25. Uluslararası Madencilik Kongresi ve Sergisi, Antalya, Turkey, 11 - 14 April 2017

III. Application of Three Existing Stope Boundary Optimisation Methods in an Operating Underground Mine

Erdogan G., YAVUZ M.

3rd World Multidisciplinary Earth Sciences Symposium (WMESS), Prague, Czech Republic, 11 - 15 September 2017, vol.95

IV. Implementation and Comparison of Four Stope Boundary Optimisation Algorithms in an Existing Underground Mine

ERDOĞAN G., ÇIĞLA M., TOPAL E., YAVUZ M.

6th International Conference on Computer Applications in the Minerals Industries, 5 - 07 October 2016

V. Equipment Selection by using Fuzzy TOPSIS Method

YAVUZ M.

World Multidisciplinary Earth Sciences symposium (WMESS), Prague, Czech Republic, 5 - 09 September 2016,

- VI. **Making Hard Decisions in Mining Operations**
YAVUZ M.
23rd Mine Planning & Equipment Selection Symposium, Johannesburg, South Africa, 8 - 11 November 2015
- VII. **A Computer Program for Underground Mining Method Selection by Using TOPSIS and Yager s Method**
ALPAY Ş., YAVUZ M.
2015 Aachen International Mining Symposium, Aachen, Germany, 27 - 28 May 2015
- VIII. **Determination of Optimum Coal Mining Policy in Turkey By Using Analytical Network Process**
YAVUZ M.
2015 Aachen International Mining Symposium, Aachen, Germany, 27 - 28 May 2015
- IX. **Türkiye de Maden Mühendisliği Eğitiminin Analitik Serim Süreci ile Analizi**
YAVUZ M.
Türkiye 24. Uluslararası Madencilik Kongresi ve Sergisi, Antalya, Turkey, 14 - 17 April 2015
- X. **Determination of Fully Mechanized Underground Coal Panels Optimum Dimensions for Retreat Caving Method**
YAVUZ M., ANKARA H., ERÇELEBİ S. G.
2014 Aachen International Mining Symposium, Aachen, Germany, 11 - 12 June 2014
- XI. **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
- XII. **Reclamation Project Selection an an Open Pit Mine by Using Fuzzy AHP**
YAVUZ M., LAÇİN ALTAY B.
23rd World Mining Congress, Montreal, Canada, 11 - 15 August 2013
- XIII. **Determination of Optimum Coal Panel Dimensions for Fully Mechanized Underground Coal Mine in Western Lignite Colliery**
KÖMBE İ. U., ANKARA H., YAVUZ M.
23rd International Mining Congress and Exhibition of Turkey, Antalya, Turkey, 16 - 19 April 2013
- XIV. **Bir Açık İşletmede Doğaya Yeniden Kazandırma Projesi Seçimi**
LAÇİN ALTAY B., YAVUZ M.
23rd International Mining Congress and Exhibition of Turkey, Antalya, Turkey, 16 - 19 April 2013
- XV. **Optimum location selection for coal preparation plants by using analytic hierarchy process method**
ÖZER ÇOLPAN S., YAVUZ M.
23rd International Mining Congress and Exhibition of Turkey, Antalya, Turkey, 16 - 19 April 2013
- XVI. **Plant Location Selection in Natural Stone Industry**
YAVUZ M., Colpan S. O.
Global Stone Congress 2012, Alentejo, Portugal, 16 - 20 July 2012, vol.548, pp.371-373
- XVII. **Açık işletmelerde 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
- XVIII. **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
- XIX. **Bulanık AHS Yöntemi ile Açık Ocak Kamyonu Seçimi**
YAVUZ M.
Türkiye 22. Uluslararası Madencilik Kongresi, Ankara, Turkey, 11 - 13 May 2011
- XX. **Ekipman Seçiminde Farklı Çok Nitelikli Karar Verme Yöntemlerinin Kullanımı ve Değerlendirilmesi**
YAVUZ M.
3. Maden Makinaları Sempozyumu, İzmir, Turkey, 5 - 06 May 2011
- XXI. **Marble Potential Mining and Policy of Turkey**
YAVUZ M.

- 2011 SME Annual Meeting, DENVER, United States Of America, 27 February - 02 March 2011
- XXII. **UMMSMADM A Computer Program for Underground Mining Method Selection by Multiple Attribute Decision Making Tools**
ALPAY Ş., YAVUZ M.
2010 SME Annual Meeting, PHOENIX, United States Of America, 28 February - 03 March 2010
- XXIII. **Determination of Optimum Iron Ore Mining Policy in Turkey by Using Analytical Network Process**
YAVUZ M., TEZCAN M.
2010 SME Annual Meeting, PHOENIX, United States Of America, 28 February - 03 March 2010
- XXIV. **Bir Mermer Fabrikasında Kusurlu Fayans Üretiminin İstatistiksel Süreç Kontrol Yöntemleri İle Analizi**
YAVUZ M., AYDOĞAN E.
2. Maden Makinaları Sempozyumu, Zonguldak, Turkey, 4 - 06 November 2009
- XXV. **TOPSIS Tekniği Kullanarak Hidrolik Yerkazar Seçimi ve Duyarlılık Çözümlemesi**
YAVUZ M.
21th International Mining Congress and Exhibition of Turkey, Antalya, Turkey, 6 - 08 May 2009
- XXVI. **Underground Mining Method Selection By Using Multiple Attribute Decision Making Methods**
YAVUZ M.
2009 SME Annual Meeting, DENVER, United States Of America, 22 - 25 February 2009
- XXVII. **An Application of the TOPSIS Method to Solve Hydraulic Excavator Selection Problem in Mining**
YAVUZ M.
2008 SME Annual Meeting, SALT LAKE CITY, United States Of America, 24 - 27 February 2008
- XXVIII. **An Equipment Selection Application Using the AHP Method**
YAVUZ M.
2007 SME Annual Meeting, DENVER, United States Of America, 25 - 28 February 2007
- XXIX. **A decision support system for underground mining method selection**
ALPAY Ş., YAVUZ M.
20th International Conference on Industrial, Engineering and Other Applications of Applied Intelligent Systems, Kyoto, Japan, 26 - 29 June 2007, vol.4570, pp.334-335
- XXX. **Diskli Blok Kesme Makinalarındaki Kayıpların Shewhart Kontrol Grafikleriyle Birleşmesi**
ANKARA H., KONUK A., YAVUZ M., Ersoy A., YEREL KANDEMİR S.
Türkiye 5. Mermer ve Doğaltaş Sempozyumu, Turkey, 22 June 2006, pp.421-430
- XXXI. **Analitik Hiyerarşi Süreci AHS ve Madencilikteki Uygulamaları**
YAVUZ M., ANKARA H.
Türkiye 15. Kömür Kongresi, Turkey, 4 - 09 June 2006, pp.101-108
- XXXII. **Analitik Hiyerarşi Süreci ve Madencilikteki Uygulamaları**
YAVUZ M., ANKARA H.
15. Türkiye Kömür Kongresi, Zonguldak, Turkey, 7 - 09 June 2006
- XXXIII. **Diskli Blok Kesme makinalarındaki Kayıpların Shewhart Kontrol Grafikleri ile Belirlenmesi**
ANKARA H., YEREL KANDEMİR S., Ersoy A. H., KONUK A., YAVUZ M.
Türkiye V. Mermer ve Doğaltaş Sempozyumu, Turkey, 2 - 03 March 2006, pp.421-430
- XXXIV. **Diskli Blok Kesme Makinalarındaki Kayıpların Shewhart Kontrol Grafikleri İle Belirlenmesi**
ANKARA H., YEREL KANDEMİR S., AYTEN E., KONUK A., YAVUZ M.
Türkiye V. Mermer ve Doğaltaş Sempozyumu, AFYON, Turkey, 2 - 03 March 2006
- XXXV. **The Effect of Tunnel Inclination and k Ratio on the Behavior of Surrounding Rock Mass**
AKSOY M., İPHAR M., YAVUZ M., ÖNCE G.
3rd International FLAC Symposium, Sudbury, Canada, 21 - 24 October 2003
- XXXVI. **Tam Mekanize Uzunayaklarda Üretimi Etkileyen Faktörler**
YAVUZ M., ANKARA H., ERÇELEBİ S. G.
Türkiye 18. Uluslararası Madencilik Kongresi ve Sergisi Konferansı, 10 - 13 June 2003, pp.347-349
- XXXVII. **A Guideline for DSS System for Underground Mining Method Selection**
YAVUZ M., ALPAY Ş.

- 18th International Mining Congress and Exhibition of Turkey, Antalya, Turkey, 10 - 13 June 2003
- XXXVIII. **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
- XXXIX. **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
- XL. **Minimizing Longwall Move Time by Using Microsoft Project**
ERÇELEBİ S. G., YAVUZ M.
30th Application of Computers and Operations Research in the Mineral Industry, PHOENIX, United States Of America, 3 - 06 March 2002
- XLI. **GLİ Ömerler Mekanize Ayakta Tur Zamanına Göre Kazı Yöntemi Seçim**
YAVUZ M., ERÇELEBİ S. G.
Türkiye 17. Uluslararası Madencilik Kongresi, Ankara, Turkey, 19 - 22 June 2001
- XLII. **The Transportation Planning to the New Panel of the Longwall Mechanized Equipment in Tuncbilek Coal Mining**
AKDAŞ H., YAVUZ M., ÇELİK R.
9th International Symposium on Mine Planning & Equipment Selection, ATİNA, Greece, 6 - 09 November 2000
- XLIII. **Ömerler Mekanize Ayakta Yürüyen Tahkimatlardaki Basınçların İzlenmesi ve İncelenmesi**
AKDAŞ H., DESTANOĞLU N., ÖĞRETMEN S., YAVUZ M.
V. Ulusal Kaya Mekaniği Sempozyumu, Isparta, Turkey, 30 - 31 October 2000
- XLIV. **Stress Analysis of the Roof Longwall Panels for Tuncbilek District**
AKDAŞ H., YAVUZ M.
7th National Mine Surveying Conference, GOLDEN SANDS, Bulgaria, 19 - 25 June 2000

Supported Projects

- Yavuz M., Project Supported by Higher Education Institutions, Patlatma titreşimlerinden kaya kütleindeki gerilme dalgası yayılımının dinamik modellenmesi, 2017 - 2019
- YAVUZ M., ERDOĞAN ERTEN G., Project Supported by Higher Education Institutions, Yeraltı Ocaklarında Bilgisayar Destekli Maden Tasarımı ve Kazı Arınlarının Optimizasyonu, 2015 - 2017
- YAVUZ M., Project Supported by Higher Education Institutions, Mikronize Maden Öğütme Tesisinde Toplam Ekipman Etkinliğinin Araştırılması, 2014 - 2015
- YAVUZ M., Project Supported by Higher Education Institutions, Yapılarda Mermer Kullanımının Bilgisayar Program Vasıtasıyla Tasarımı, 2000 - 2002
- YAVUZ M., Project Supported by Higher Education Institutions, G L İ Derin Sahalar Yeraltı Linyit Ocağı Ana Nakliyat Galerisinin Tasarımı, 2000 - 2001
- YAVUZ M., Project Supported by Higher Education Institutions, Yeraltı Mekanize Kömür Panolarının Boyutlarının Optimum Olarak Belirlenmesi, 1997 - 1999

Scientific Refereeing

- INTERNATIONAL JOURNAL OF MINING, RECLAMATION AND ENVIRONMENT, SCI Journal, November 2022
- ENVIRONMENTAL EARTH SCIENCES, SCI Journal, April 2022
- INTERNATIONAL JOURNAL OF MINING, RECLAMATION AND ENVIRONMENT, SCI Journal, February 2022
- ENVIRONMENTAL EARTH SCIENCES, SCI Journal, December 2021
- NATURAL RESOURCES RESEARCH, SCI Journal, November 2021

ENVIRONMENTAL EARTH SCIENCES, SCI Journal, September 2021
NATURAL RESOURCES RESEARCH, SCI Journal, August 2021
INTERNATIONAL JOURNAL OF MINING, RECLAMATION AND ENVIRONMENT, SCI Journal, June 2021
INTERNATIONAL JOURNAL OF MINING, RECLAMATION AND ENVIRONMENT, SCI Journal, April 2021
TUNNELLING AND UNDERGROUND SPACE TECHNOLOGY, SCI Journal, March 2021
MATHEMATICAL PROBLEMS IN ENGINEERING, SCI Journal, December 2020
INTERNATIONAL JOURNAL OF MINING, RECLAMATION AND ENVIRONMENT, SCI Journal, November 2020
ENVIRONMENTAL EARTH SCIENCES, SCI Journal, November 2020
ENVIRONMENTAL EARTH SCIENCES, SCI Journal, September 2020
NATURAL RESOURCES RESEARCH, SCI Journal, August 2020
ENVIRONMENTAL EARTH SCIENCES, SCI Journal, September 2019
SHOCK AND VIBRATION, SCI Journal, May 2019
NATURAL RESOURCES RESEARCH, SCI Journal, October 2018
NATURAL RESOURCES RESEARCH, SCI Journal, October 2018
MATHEMATICAL PROBLEMS IN ENGINEERING, SCI Journal, August 2018
ENVIRONMENTAL EARTH SCIENCES, SCI Journal, July 2018
TUNNELLING AND UNDERGROUND SPACE TECHNOLOGY, SCI Journal, June 2018
INTERNATIONAL JOURNAL OF MINING, RECLAMATION AND ENVIRONMENT, SCI Journal, May 2018
ENVIRONMENTAL EARTH SCIENCES, SCI Journal, May 2018
ENVIRONMENTAL EARTH SCIENCES, SCI Journal, January 2018
INTERNATIONAL JOURNAL OF MINING, RECLAMATION AND ENVIRONMENT, SCI Journal, September 2017
ENVIRONMENTAL EARTH SCIENCES, SCI Journal, September 2017
INTERNATIONAL JOURNAL OF ROCK MECHANICS & MINING SCIENCES, SCI Journal, May 2017
INTERNATIONAL JOURNAL OF MINING, RECLAMATION AND ENVIRONMENT, SCI Journal, May 2017
ENVIRONMENTAL EARTH SCIENCES, SCI Journal, May 2017
INTERNATIONAL JOURNAL OF MINING, RECLAMATION AND ENVIRONMENT, SCI Journal, March 2017
INTERNATIONAL JOURNAL OF MINING, RECLAMATION AND ENVIRONMENT, SCI Journal, June 2016
ENVIRONMENTAL EARTH SCIENCES, SCI Journal, March 2016
ENVIRONMENTAL EARTH SCIENCES, SCI Journal, February 2016
INTERNATIONAL JOURNAL OF MINING, RECLAMATION AND ENVIRONMENT, SCI Journal, January 2016
ENVIRONMENTAL EARTH SCIENCES, SCI Journal, October 2015
INTERNATIONAL JOURNAL OF MINING, RECLAMATION AND ENVIRONMENT, SCI Journal, August 2015
ENVIRONMENTAL EARTH SCIENCES, SCI Journal, May 2015
ENVIRONMENTAL EARTH SCIENCES, SCI Journal, May 2014
ENVIRONMENTAL EARTH SCIENCES, SCI Journal, April 2012
ENVIRONMENTAL EARTH SCIENCES, SCI Journal, November 2011
ENVIRONMENTAL EARTH SCIENCES, SCI Journal, April 2011
ENVIRONMENTAL EARTH SCIENCES, SCI Journal, January 2011
ENVIRONMENTAL EARTH SCIENCES, SCI Journal, March 2010
ENVIRONMENTAL EARTH SCIENCES, SCI Journal, January 2010
ENVIRONMENTAL EARTH SCIENCES, SCI Journal, December 2009
ENVIRONMENTAL EARTH SCIENCES, SCI Journal, August 2009

Metrics

Publication: 74

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H-Index (Scopus): 13

Congress and Symposium Activities

3rd World Multidisciplinary Earth Sciences Symposium (WMESS), Attendee, Praha, Czech Republic, 2017
6th International Conference on Computer Applications in the Minerals Industries, Attendee, İstanbul, Turkey, 2016
World Multidisciplinary Earth Sciences symposium (WMESS), Attendee, Praha, Czech Republic, 2016
23rd Mine Planning & Equipment Selection Symposium, Attendee, Johannesburg, South Africa, 2015
2015 Aachen International Mining Symposium, Attendee, Aachen, Germany, 2015
2015 Aachen International Mining Symposium, Attendee, Aachen, Germany, 2015
Türkiye 24. Uluslararası Madencilik Kongresi ve Sergisi, Attendee, Antalya, Turkey, 2015
2014 Aachen International Mining Symposium, Attendee, Aachen, Germany, 2014
23rd World Mining Congress, Attendee, Montreal, Canada, 2013
23rd International Mining Congress and Exhibition of Turkey, Attendee, Antalya, Turkey, 2013
23rd International Mining Congress and Exhibition of Turkey, Attendee, Antalya, Turkey, 2013
23rd International Mining Congress and Exhibition of Turkey, Attendee, Antalya, Turkey, 2013
Global Stone Congress 2012, Attendee, Evora, Portugal, 2012
Türkiye 22. Uluslararası Madencilik Kongresi, Attendee, Ankara, Turkey, 2011
3. Maden Makinaları Sempozyumu, Attendee, İzmir, Turkey, 2011
2011 SME Annual Meeting, Attendee, Colorado, United States Of America, 2011
2010 SME Annual Meeting, Attendee, Arizona, United States Of America, 2010
2010 SME Annual Meeting, Attendee, Arizona, United States Of America, 2010
21th International Mining Congress and Exhibition of Turkey, Attendee, Antalya, Turkey, 2009
2009 SME Annual Meeting, Attendee, Colorado, United States Of America, 2009
2008 SME Annual Meeting, Attendee, Utah, United States Of America, 2008
2007 SME Annual Meeting, Attendee, Colorado, United States Of America, 2007
15. Türkiye Kömür Kongresi, Attendee, Zonguldak, Turkey, 2006
18th International Mining Congress and Exhibition of Turkey, Attendee, Antalya, Turkey, 2003
Türkiye 18. Uluslararası Madencilik Kongresi ve Sergisi Konferansı, Attendee, Antalya, Turkey, 2003
30th Application of Computers and Operations Research in the Mineral Industry, Attendee, Arizona, United States Of America, 2002
Türkiye 17. Uluslararası Madencilik Kongresi, Attendee, Ankara, Turkey, 2001
V. Ulusal Kaya Mekaniği Sempozyumu, Audience, Isparta, Turkey, 2000

Scholarships

Investigation of Usability of Machine Learning Methods in Underground Mine Planning and Design Optimization, TUBITAK, 2021 - 2022
Kısa Süreli Yurtdışı Araştırma Bursu, YOK, 2011 - 2011

Non Academic Experience

Other Public Institution, TÜLOMSAŞ, Bakım-Onarım Müdürlüğü
TÜLOMSAŞ Genel Müdürlüğü