

Prof. Hanifi Çopur

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Publons / Web Of Science ResearcherID: W-9323-2018

ScopusID: 6506470321

Yoksis Researcher ID: 8665

Biography

Hanifi Copur graduated from the Mining Engineering Department of Istanbul Technical University, and completed his PhD on rock cutting mechanics and mechanical excavation of mines and tunnels at the Colorado School of Mines in 1999. He worked as a research engineer at the Earth Mechanics Institute of the Colorado School Mines between 1995 and 1999, and has been working as an academican in the Mining Engineering Department of the Istanbul Technical University since 1999, and currently works as a professor in the same department. He has written more than 130 national and international scientific and industrial research reports and 140 publications on mechanical mining and tunneling including three books and five editorships. He is a member of some national and international societies / associations / institutions and one of the founder board members and vice president of the Turkish Tunneling Society.

Education Information

Doctorate, Colorado School of Mines, Earth Systems And Mining Engineering, Mining Engineering, United States Of America 1994 - 1999

Postgraduate, Istanbul Technical University, Maden Fakültesi, Maden Mühendisliği Bölümü, Turkey 1988 - 1991

Undergraduate, Istanbul Technical University, Maden Fakültesi, Maden Mühendisliği Bölümü, Turkey 1983 - 1987

Foreign Languages

English

Dissertations

Doctorate, Theoretical and Experimental Studies of Rock Cutting with Drag Bits Toward the Development of a Performance Prediction Model for Roadheaders, Colorado School Of Mines, Earth Systems And Mining Engineering, 1999

Postgraduate, E.L.İ. Eynez bölgesi kayaçlarının fiziksel ve mekanik özelliklerinin mekanize kazı bakımından incelenmesi, İstanbul Teknik Üniversitesi, Maden Fakültesi, Maden Mühendisliği Bölümü, 1991

Research Areas

Mining Engineering and Technology, Mining Operations, Rock Mechanics, Excavation Techniques, Engineering and Technology

Academic Titles / Tasks

Professor, Istanbul Technical University, Maden Fakültesi, Maden Mühendisliği Bölümü, 2011 - Continues
Associate Professor, Istanbul Technical University, Maden Fakültesi, Maden Mühendisliği Bölümü, 2005 - 2011
Assistant Professor, Istanbul Technical University, Maden Fakültesi, Maden Mühendisliği Bölümü, 2000 - 2005
Research Assistant, Istanbul Technical University, Maden Fakültesi, Maden Mühendisliği Bölümü, 1988 - 2000

Academic and Administrative Experience

Head of Department, Istanbul Technical University, 2017 - 2021
Head of Department, Istanbul Technical University, 2017 - 2021
ABET Akreditasyon Koordinatörü, Istanbul Technical University, Maden, Maden Mühendisliği, 2014 - 2018
İstanbul Teknik Üniversitesi, Maden Fakültesi, 2008 - 2013
İstanbul Teknik Üniversitesi, Maden Fakültesi, Maden Mühendisliği Bölümü, 2007 - 2009

Courses

MECHANICAL EXCAVATION IN MINING AND TUNNELLING EXCAVATIONS, Undergraduate, 2021 - 2022
MICROTUNNELLING, Doctorate, 2022 - 2023, 2015 - 2016
TUNNELLING, Undergraduate, 2022 - 2023, 2021 - 2022
MECHANICAL EXCAVATION AND MECHANISATION IN HARD ROCK, Postgraduate, 2016 - 2017
MINING MACHINERY, Undergraduate, 2016 - 2017, 2015 - 2016
MECHANICAL EXCAVATION AND MECHANISATION IN SOFT GROUND, Postgraduate, 2016 - 2017

Advising Theses

Çopur H., Theoretical and Empirical Studies on Performance Prediction Modeling of Raise Boring Machines, Doctorate, A.Shaterpour(Student), Continues
Çopur H., Investigation of Vibrations Created During TBM Excavation and Rock Cutting, Doctorate, U.Ateş(Student), Continues
Çopur H., TBM Kullanılan Bazı Tünel Projelerinde Kayaç Kütlelerinin Aşındırıcılıklarının İncelenmesi ve Keski Tüketim Tahmin Modeli Geliştirilmesi, Doctorate, E.Bostancı(Student), Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Full-Scale linear cutting tests using a button cutter and deterministic performance prediction modeling for raise boring machines**
Shaterpour Mamaghani A., Çopur H., Gümüş A., Tumaç D., Balcı C., Erdogan T., Dogan E., Kocbay A.
TUNNELLING AND UNDERGROUND SPACE TECHNOLOGY, vol.127, 2022 (SCI-Expanded)
- II. **Empirical Performance Prediction for Raise Boring Machines Based on Rock Properties, Pilot Hole Drilling Data and Raise Inclination**
Shaterpour Mamaghani A., Çopur H.

ROCK MECHANICS AND ROCK ENGINEERING, vol.54, no.4, pp.1707-1730, 2021 (SCI-Expanded)

- III. **Experimental studies using a new portable linear rock cutting machine and verification for disc cutters**
Comakli R., Balci C., Copur H., Tumaç D.
TUNNELLING AND UNDERGROUND SPACE TECHNOLOGY, vol.108, 2021 (SCI-Expanded)
- IV. **Cuttability and drillability studies towards predicting performance of mechanical miners excavating in hyperbaric conditions of deep seafloor mining**
Balci C., Copur H., Bilgin N., Ozdemir L., Jones G. R.
INTERNATIONAL JOURNAL OF ROCK MECHANICS AND MINING SCIENCES, vol.130, 2020 (SCI-Expanded)
- V. **Development of new empirical models for performance estimation of a raise boring machine**
Shaterpour Mamaghani A., Copur H., Dogan E., Erdogan T.
TUNNELLING AND UNDERGROUND SPACE TECHNOLOGY, vol.82, pp.428-441, 2018 (SCI-Expanded)
- VI. **Investigation into the Effects of Textural Properties on Cuttability Performance of a Chisel Tool**
Tumaç D., Copur H., Balci C., Er S., Avunduk E.
ROCK MECHANICS AND ROCK ENGINEERING, vol.51, no.4, pp.1227-1248, 2018 (SCI-Expanded)
- VII. **Empirical modeling for predicting excavation performance of EPB TBM based on soil properties**
Avunduk E., Copur H.
TUNNELLING AND UNDERGROUND SPACE TECHNOLOGY, vol.71, pp.340-353, 2018 (SCI-Expanded)
- VIII. **Effects of Different Cutting Patterns and Experimental Conditions on the Performance of a Conical Drag Tool**
Copur H., BILGIN N., Balci C., Tumaç D., Avunduk E.
ROCK MECHANICS AND ROCK ENGINEERING, vol.50, no.6, pp.1585-1609, 2017 (SCI-Expanded)
- IX. **Use of Schmidt hammer with special reference to strength reduction factor related to cleat presence in a coal mine in Soma, Turkey**
Bilgin N., Copur H., Balci C.
INTERNATIONAL JOURNAL OF ROCK MECHANICS AND MINING SCIENCES, vol.84, pp.25-33, 2016 (SCI-Expanded)
- X. **Use of Schmidt Hammer with special reference to strength reduction factor related to cleat presence in a coal mine**
Bilgin N., Copur H., Balci C.
INTERNATIONAL JOURNAL OF ROCK MECHANICS AND MINING SCIENCES, vol.84, pp.25-33, 2016 (SCI-Expanded)
- XI. **Cuttability of coal from the Soma coalfield in Turkey**
BILGIN N., Balci C., Copur H., Tumaç D., Avunduk E.
International Journal of Rock Mechanics and Mining Sciences, vol.73, pp.123-129, 2015 (SCI-Expanded)
- XII. **Predicting performance of EPB TBMs by using a stochastic model implemented into a deterministic model**
Copur H., Aydin H., BILGIN N., BALCI C., TUMAC D., DAYANC C.
TUNNELLING AND UNDERGROUND SPACE TECHNOLOGY, vol.42, pp.1-14, 2014 (SCI-Expanded)
- XIII. **Estimating torque, thrust and other design parameters of different type TBMs with some criticism to TBMs used in Turkish tunneling projects**
Ates U., BILGIN N., Copur H.
TUNNELLING AND UNDERGROUND SPACE TECHNOLOGY, vol.40, pp.46-63, 2014 (SCI-Expanded)
- XIV. **Effect of replacing disc cutters with chisel tools on performance of a TBM in difficult ground conditions**
Bilgin N., Copur H., BALCI C.
TUNNELLING AND UNDERGROUND SPACE TECHNOLOGY, vol.27, no.1, pp.41-51, 2012 (SCI-Expanded)
- XV. **A case study on the methane explosion in the excavation chamber of an EPB-TBM and lessons learnt including some recent accidents**
Copur H., CINAR M., Okten G., BILGIN N.
TUNNELLING AND UNDERGROUND SPACE TECHNOLOGY, vol.27, no.1, pp.159-167, 2012 (SCI-Expanded)
- XVI. **Field and laboratory studies on natural stones leading to empirical performance prediction of chain saw machines**

Çopur H., BALCI C., TUMAC D., BILGIN N.

INTERNATIONAL JOURNAL OF ROCK MECHANICS AND MINING SCIENCES, vol.48, no.2, pp.269-282, 2011 (SCI-Expanded)

XVII. Surface settlement predictions for Istanbul Metro tunnels excavated by EPB-TBM

Erçelebi S. G., Çopur H., OCAK I.

ENVIRONMENTAL EARTH SCIENCES, vol.62, no.2, pp.357-365, 2011 (SCI-Expanded)

XVIII. Linear stone cutting tests with chisel tools for identification of cutting principles and predicting performance of chain saw machines

Copur H.

INTERNATIONAL JOURNAL OF ROCK MECHANICS AND MINING SCIENCES, vol.47, no.1, pp.104-120, 2010 (SCI-Expanded)

XIX. Control of rock cutting efficiency by muck size

Tunçdemir H., BILGIN N., Çopur H., Balcı C.

INTERNATIONAL JOURNAL OF ROCK MECHANICS AND MINING SCIENCES, vol.45, no.2, pp.278-288, 2008 (SCI-Expanded)

XX. Dominant rock properties affecting the performance of conical picks and the comparison of some experimental and theoretical results

Bilgin N., DEMIRCIN M., Copur H., BALCI C., TUNCDEMİR H., AKCIN N.

INTERNATIONAL JOURNAL OF ROCK MECHANICS AND MINING SCIENCES, vol.43, no.1, pp.139-156, 2006 (SCI-Expanded)

XXI. Surface Settlement Prediction for Istanbul Metro tunnels via 3D FE and empirical methods

Erçelebi S. G., ÇOPUR H., BİLGİN N., Feridinoğlu C.

TUNNELLING AND UNDERGROUND SPACE TECHNOLOGY, vol.0, pp.163-169, 2005 (SCI-Expanded)

XXII. Estimation of optimum specific energy based on rock properties for assessment of roadheader performance

Balcı C., Demircin M., Çopur H., Tunçdemir H.

JOURNAL OF THE SOUTHERN AFRICAN INSTITUTE OF MINING AND METALLURGY, vol.104, no.11, pp.633-641, 2004 (SCI-Expanded)

XXIII. Some geological and geotechnical factors affecting the performance of a roadheader in an inclined tunnel

Bilgin N., DINCER T., Copur H., ERDOĞAN M.

TUNNELLING AND UNDERGROUND SPACE TECHNOLOGY, vol.19, no.6, pp.629-636, 2004 (SCI-Expanded)

XXIV. A set of indices based on indentation tests for assessment of rock cutting performance and rock properties

Çopur H., Bilgin N., Tunçdemir H., Balcı C.

JOURNAL OF THE SOUTHERN AFRICAN INSTITUTE OF MINING AND METALLURGY, vol.103, no.9, pp.589-599, 2003 (SCI-Expanded)

XXV. The performance prediction of impact hammers from Schmidt hammer rebound values in Istanbul metro tunnel drivages

BİLGİN N., Dinçer T., Çopur H.

TUNNELLING AND UNDERGROUND SPACE TECHNOLOGY, vol.17, no.3, pp.237-247, 2002 (SCI-Expanded)

XXVI. Specific energy as a criterion for the use of rapid excavation systems in Turkish mines

Çopur H., Tunçdemir H., Bilgin N., Dincer T.

TRANSACTIONS OF THE INSTITUTIONS OF MINING AND METALLURGY SECTION A-MINING TECHNOLOGY, vol.110, 2001 (SCI-Expanded)

Articles Published in Other Journals

I. Physical and Mechanical Properties of Rocks, Soils, and Coals

Bilgin N., Copur H., Balci C.

MECHANICAL EXCAVATION IN MINING AND CIVIL INDUSTRIES, pp.23-48, 2014 (Peer-Reviewed Journal)

II. **Large-Diameter Drill Rigs**

Bilgin N., Copur H., Balci C.

MECHANICAL EXCAVATION IN MINING AND CIVIL INDUSTRIES, pp.295-306, 2014 (Peer-Reviewed Journal)

III. **Microtunnel Boring Machines and Jacking Forces**

Bilgin N., Copur H., Balci C.

MECHANICAL EXCAVATION IN MINING AND CIVIL INDUSTRIES, pp.247-276, 2014 (Peer-Reviewed Journal)

IV. **Mechanical Excavation in Mining and Civil Industries Introduction**

Bilgin N., Copur H., Balci C.

MECHANICAL EXCAVATION IN MINING AND CIVIL INDUSTRIES, pp.1-11, 2014 (Peer-Reviewed Journal)

V. **Soft Ground Tunnel Boring Machines**

Bilgin N., Copur H., Balci C.

MECHANICAL EXCAVATION IN MINING AND CIVIL INDUSTRIES, pp.203-246, 2014 (Peer-Reviewed Journal)

VI. **Roadheaders**

Bilgin N., Copur H., Balci C.

MECHANICAL EXCAVATION IN MINING AND CIVIL INDUSTRIES, pp.125-155, 2014 (Peer-Reviewed Journal)

VII. **Mechanical Excavation in Mining and Civil Industries Preface**

Bilgin N., Copur H., Balci C.

MECHANICAL EXCAVATION IN MINING AND CIVIL INDUSTRIES, 2014 (Peer-Reviewed Journal)

VIII. **Mechanical Excavation in Coal Mines**

Bilgin N., Copur H., Balci C.

MECHANICAL EXCAVATION IN MINING AND CIVIL INDUSTRIES, pp.307-322, 2014 (Peer-Reviewed Journal)

IX. **Site Investigations for Mechanized Excavation Projects**

Bilgin N., Copur H., Balci C.

MECHANICAL EXCAVATION IN MINING AND CIVIL INDUSTRIES, pp.13-21, 2014 (Peer-Reviewed Journal)

X. **Impact Hammers**

Bilgin N., Copur H., Balci C.

MECHANICAL EXCAVATION IN MINING AND CIVIL INDUSTRIES, pp.157-168, 2014 (Peer-Reviewed Journal)

XI. **Rock-Cutting Tools and Theories**

Bilgin N., Copur H., Balci C.

MECHANICAL EXCAVATION IN MINING AND CIVIL INDUSTRIES, pp.49-76, 2014 (Peer-Reviewed Journal)

XII. **Hard Rock TBMs**

Bilgin N., Copur H., Balci C.

MECHANICAL EXCAVATION IN MINING AND CIVIL INDUSTRIES, pp.169-201, 2014 (Peer-Reviewed Journal)

XIII. **Shaft and Raise Boring Machines**

Bilgin N., Copur H., Balci C.

MECHANICAL EXCAVATION IN MINING AND CIVIL INDUSTRIES, pp.277-293, 2014 (Peer-Reviewed Journal)

XIV. **Emerging Mechanical Excavation Technologies**

Bilgin N., Copur H., Balci C.

MECHANICAL EXCAVATION IN MINING AND CIVIL INDUSTRIES, pp.341-353, 2014 (Peer-Reviewed Journal)

XV. **Laboratory Rock-Cutting Tests**

Bilgin N., Copur H., Balci C.

MECHANICAL EXCAVATION IN MINING AND CIVIL INDUSTRIES, pp.77-102, 2014 (Peer-Reviewed Journal)

XVI. **Chain Saw Machines**

Bilgin N., Copur H., Balci C.

MECHANICAL EXCAVATION IN MINING AND CIVIL INDUSTRIES, pp.323-339, 2014 (Peer-Reviewed Journal)

XVII. **A methane explosion during EPBM tunnelling**

ÇOPUR H., ÖKTEN G., BİLGİN N., Çınar M.

Tunnelling Journal, pp.40-43, 2012 (Peer-Reviewed Journal)

XVIII. **Roadheader applications in mining and tunneling**

ÇOPUR H., Ozdemir L., Rostami J.

Books & Book Chapters

- I. **Strength, Cuttability, and Workability of Coal**
BİLGİN N., ÇOPUR H., BALCI C., TUMAÇ D.
CRC Press Science Publishing - TaylorFrancis Group, 2019
- II. **TBM Excavation in Difficult Ground Conditions: Case Studies from Turkey**
Bilgin N., Çopur H., Balci C.
Ernst & Sohn, John Wiley, Berlin, 2016
- III. **Mechanical Excavation in Mining and Civil Industries**
Bilgin N., Çopur H., Balci C.
Crc Press, Taylor & Francis Group, New York, 2014
- IV. **İngilizce-Türkçe-Almanca Kömür Sözlüğü**
ÇOPUR H., Uzunoğlu K., KURAL O.
in: Kömür Kimyası ve Teknolojisi, Kural, Orhan, Editor, Kurtiş Yayınevi, İstanbul, pp.873-943, 1991

Refereed Congress / Symposium Publications in Proceedings

- I. **Importance of physical-mechanical properties of rocks for application of a raise boring machine**
SHATERPOUR MAMAGHANİ A., ÇOPUR H., Doğan E., Erdoğan T.
World Tunnel Congress, WTC 2019 and the 45th General Assembly of the International Tunnelling and Underground Space Association, ITA-AITES 2019, Naples, Italy, 3 - 09 May 2019, pp.1136-1143
- II. **Investigation of vibration patterns occurred during tbm excavation and rock cutting tests**
ATEŞ U., ÇOPUR H., SHATERPOUR MAMAGHANİ A., AVUNDUK E., BİNEN S.
Rock Dynamics Summit, RDS 2019, Okinawa, Japan, 7 - 11 May 2019, pp.729-734
- III. **Possibility of using vane shear testing device for optimizing soil conditioning**
ÇOPUR H., AVUNDUK E., Tolouei S., TUMAÇ D., BALCI C., BİLGİN N., SHATERPOUR MAMAGHANİ A.
World Tunnel Congress, WTC 2019 and the 45th General Assembly of the International Tunnelling and Underground Space Association, ITA-AITES 2019, Naples, Italy, 3 - 09 May 2019, pp.1954-1963
- IV. **Study of the impacts of geological-geotechnical parameters on the performance of raise boring machine (RBM) during pilot hole drilling**
SHATERPOUR MAMAGHANİ A., ÇOPUR H., Doğan E., Erdoğan T.
10th Asian Rock Mechanics Symposium "ARMS10", 29 October - 03 November 2018
- V. **Determining the Effects of Physical, Mechanical and Textural Properties of Metamorphic Stones on a Chisel Tool Performance**
TUMAÇ D., ÇOPUR H., BALCI C., SHATERPOUR MAMAGHANİ A., Er S., AVUNDUK E.
10th Asian Rock Mechanics Symposium The ISRM International Symposium for 2018, 29 October - 03 November 2018
- VI. **On the development of robust performance risk indicators for hard rock TBMs**
Naghadehi M. Z., Topraqlou P. H., ÇOPUR H.
4th International Underground Excavations Symposium, İstanbul, Turkey, 13 - 14 September 2018, pp.173-178
- VII. **Performance Evaluation of Raise Boring Machine (RBM) used in Balya Lead-Zinc Mine**
Erdoğan T., Doğan E., SHATERPOUR MAMAGHANİ A., ÇOPUR H.
4th International Underground Excavations Symposium, İstanbul, Turkey, 13 - 14 September 2018, pp.317-325
- VIII. **Effect of Soil Conditioning on Performance of an EPB TBM: from Laboratory to Mahmutbey-Mecidiyekoy Metro Tunnels in Turkey**
ÇOPUR H., AVUNDUK E., TUMAÇ D., BALCI C., BİLGİN N., SHATERPOUR MAMAGHANİ A., TOLOUEI S., Erkuş G., Acun S., Ateş U.

World Tunnel Congress (WTC 2018), 21 - 26 April 2018

- IX. **Unrelieved Spesific Energy Estimation fromPLCM and FLCM Linear Rock Cutting Tests andComparison with Rock Properties**
BALCI C., ÇOMAKLI R., BİLGİN N., ÇOPUR H., TUMAÇ D., AVUNDUK E.
ITA - AITES WORLD TUNNEL CONGRESS, 21 - 26 April 2018
- X. **TBM Performance Prediction using Laboratory Cutting Tests in Very Hard and Abrasive Rock Formations**
BİLGİN N., ÇOPUR H., BALCI C., TUMAÇ D.
International Conference on Tunnel Boring Machines in Difficult Grounds (TBM DiGs), Wuhan, China, 21 - 22 November 2017, pp.1-11
- XI. **Safety precautions against fuel leakage into NATM tunnels of Uskudar-Umraniye-Cekmekoy Metro project**
Gündoğdu İ., Kalaycı G., İşler H., Kocagil M., Bilgin N., ÇOPUR H., FİŞNE A.
World Tunnel Congress, 9 June - 15 September 2017
- XII. **Factors Affecting the Selection and Performance of Raise Boring Machines (RBMs) and Case Studies from Turkey**
Shaterpour Mamaghani A., Çopur H.
26th International Symposium on Mine Planning & Equipment Selection Conference, Lulea, Sweden, 29 - 31 August 2017, vol.1, no.1, pp.153-161
- XIII. **Factors Affecting the Selection of Raise Boring Machines (RBMs) and Case Studies from Turkey**
SHATERPOUR MAMAGHANI A., ÇOPUR H.
26th International Symposium on Mine Planning Equipment Selection, Lulea, Sweden, 29 - 31 August 2017
- XIV. **Raise Boring Machine performance in the Yusufeli Dam and HEPP Project**
Shaterpour Mamaghani A., Çopur H., BILGIN N., Koçbay A., Erdoğan T.
World Tunnelling Congress, Bergen, Norway, 9 - 15 June 2017, pp.1-7
- XV. **Effect of Adhesion on EPB TBM Performance**
AVUNDUK E., ÇOPUR H., Tolouei S., Gümüş U., Altay U.
World Tunnel Congress 2017, Bergen, Norway, 9 - 15 June 2017
- XVI. **İstanbul'da Metro Tünellerinde Kullanılan Kazı Makinelerinin Tarihçesi, Seçimi, ve Sonuçlarının Jeoloji Açısından Önemi**
Balci C., BILGIN N., Çopur H., Tumaç D.
İstanbul'un Jeolojisi Sempozyumu V (Kent ve Jeoloji), İstanbul, Turkey, 12 - 14 May 2017, pp.34-40
- XVII. **İstanbul'da Metro Tünellerinde Kullanılan Mekanize Kazı Makinelerinin Tarihçesi, Seçimi, ve Sonuçlarının Jeoloji Açısından Önemi**
BALCI C., BİLGİN N., ÇOPUR H., TUMAÇ D.
5. İstanbul'un Jeolojisi Sempozyumu, İstanbul, Turkey, 12 - 14 May 2017
- XVIII. **TBM Performance Prediction using PLCM and Comparison with TBM field Performance Parameters**
COMAKLI R., Balci C., BILGIN N., Çopur H., Tumaç D., Avunduk E.
World Tunnel Congress (WTC 2017), Bergen, Norway, 1 - 04 May 2017, pp.7-0
- XIX. **Predicting Roadheader Performance by using Portable Linear Cutting Machine**
POLAT C., Balci C., Çopur H., Tumaç D.
World Tunnel Congress (WTC 2017), Bergen, Norway, 1 - 04 May 2017, pp.5-0
- XX. **Effect of Conditioning on Soil Workability Determined by Mini-Slump and Flow Table Tests**
Avunduk E., Tumaç D., Tolouei S., Çopur H., Balci C., BILGIN N.
World Tunnel Congress (WTC 2017), Bergen, Norway, 1 July - 04 January 2017, pp.10-0
- XXI. **EPB TBM performance in Ayvali Waste Water Tunnel through marl clay sand and shallow overburden**
ÇINAR M., KAHYA Ş., AVUNDUK E., TOLOUEI S., GEDİKLİ A., ÇOPUR H.
2nd International Conference on Tunnel Boring Machines in Difficult Grounds, İstanbul, Turkey, 16 - 18 November 2016, pp.201-215
- XXII. **Some Problems Related to TBM Excavation in Complex Geologu Examples and Solutions from Turkey**

from Past to Present

BİLGİN N., ÇOPUR H., BALCI C.

Second International Conference on Tunnel Boring Machines in Difficult Grounds, 16 - 18 November 2016

- XXIII. **Determining the effect of texture coefficient on performance wire machines of diamond**
TUMAÇ D., ER S., AVUNDUK E., BAŞYİĞİT M., ÇOPUR H., BALCI C.
9th Asian Rock Mechanics Symposium "ARMS9", Balvi, Latvia, 18 - 20 October 2016
- XXIV. **Determining the Effect of Texture Coefficient on Performance of Diamond Wire Machines**
Tumaç D., ER S., Avunduk E., BASYIGIT M., Çopur H., Balcı C.
9th Asian Rock Mechanics Symposium-ARMS9, Bali, Indonesia, 01 October 2016 - 04 October 2016, pp.8-0
- XXV. **Full-scale linear cutting experiments with a conical cutter for simulating different cutting patterns**
Çopur H., BİLGİN N., Balcı C., Tumaç D., AVUNDUK E., MAMAGHANI A.
International Symposium on International Society for Rock Mechanics, ISRM 2016, Cappadocia, Turkey, 29 - 31 August 2016, vol.1, pp.153-158
- XXVI. **Investigation of the effect of textural properties towards predicting sawing performance of diamond wire machines**
Tumaç D., AVUNDUK E., Çopur H., Balcı C., ER S.
International Symposium on International Society for Rock Mechanics, ISRM 2016, Cappadocia, Turkey, 29 - 31 August 2016, vol.1, pp.211-216
- XXVII. **The relation between uniaxial compressive and Brazilian tensile strength**
Rostami J., KAHRAMAN S., Yu X., ÇOPUR H., BALCI C., Bamford B., Asbury B.
Eurock 2016, 29 - 31 August 2016
- XXVIII. **Foam Optimization and Relationship between Foam Use and EPB TBM Performance**
Tolouei S., Avunduk E., Çopur H., Tumaç D., Balcı C., BİLGİN N., ÇINAR M., Kahya S.
3rd Eastern European Tunnelling Conference (EETC 2016), Prague, Czech Republic, 1 - 04 June 2016, pp.8-0
- XXIX. **Kömürde eklem takimlerinin cleats mekanizasyonun planlamasındaki önemi ve buna bağlı yeni bir kazılabilirlik sınıflamasının önerilmesi**
BİLGİN N., BALCI C., ÇOPUR H.
Türkiye 20. Kömür Kongresi, Turkey, 4 - 06 May 2016
- XXX. **Predicting Cutting Performance of Chisel Tools by Using Physical and Mechanical Properties of Natural Stones**
Çopur H., Balcı C., BİLGİN N., Tumaç D., Avunduk E.
European Rock Mechanics Symposium (EUROCK 2012, ISRM International Symposium), Stockholm, Sweden, 01 May 2016, pp.14-0
- XXXI. **A model to predict the performance of EPB-TBMs in a complex geology in Istanbul**
Shaterpour Mamaghani A., Balcı C., Çopur H., BİLGİN N., Namlı M.
World Tunnelling Congress 2016, San Francisco, United States Of America, 22 - 29 April 2016, pp.1-10
- XXXII. **Performance prediction of TBMs using a new generation of portable linear rock cutting machine PLCM**
Balcı C., COMAKLI R., POLAT C., Tumaç D., Çopur H., BİLGİN N.
ITA-AITES World Tunnel Congress 2016, WTC 2016, California, United States Of America, 22 - 28 April 2016, vol.4, pp.2828-2836
- XXXIII. **Double disc cutter consumption of an EPB TBM in Tuzla Wastewater Tunnel**
GÜMÜŞ U., ALTAY U., BİLGİN A., BOSTANCI E., ÇOPUR H.
World Tunnel Congress, San-Francisco, Costa Rica, 22 - 28 April 2016
- XXXIV. **Investigation of the effect of textural properties towards sawability performance of diamond wire machines**
TUMAÇ D., AVUNDUK E., ER S., ÇOPUR H., BALCI C.
2016 ISRM International Symposium "EUROCK 2016", Niğde, Turkey, 28 - 31 January 2016, vol.1, pp.211-215
- XXXV. **The Effect of Mechanical Properties on Performance of Diamond Wire Machines**
Tumaç D., Avunduk E., BASYIGIT M., Çopur H., Balcı C., ER S.
Fifth Thailand Symposium on Rock Mechanics- Thairock 2015, Bangkok, Thailand, 1 - 04 October 2015, pp.389-395

- XXXVI. **Physico-Mechanical Property Tests Towards Performance Prediction of Chain Saw Machines**
Tumaç D., Avunduk E., BASYIGIT M., Çopur H., Balcı C., ER S.
Fifth Thailand Symposium on Rock Mechanics- Thairock 2015, Bangkok, Thailand, 1 - 04 October 2015, pp.381-387
- XXXVII. **Pipe jacking performance of a modified EPB TBM used in Istanbul Kurbagalidere wastewater collector pipeline including curved alignment**
YETİŞ M., EREN A., ÇOPUR H.
International No-Dig İstanbul 2015 - 33rd International Conference and Exhibition, İstanbul, Turkey, 28 - 30 September 2015, pp.1-10
- XXXVIII. **Investigation into net cutting rate of a slurry microtunneling machine**
AKKAYA A., ÇOPUR H.
International No-Dig İstanbul 2015 - 33rd International Conference and Exhibition, İstanbul, Turkey, 28 - 30 September 2015, pp.1-6
- XXXIX. **Analysis of disc cutter consumption of a Double Shield TBM**
AKGUL M., AKGUL E., BOSTANCI E., ÇOPUR H.
WTC2015 World Tunnel Congress, Dubrovnik, Croatia, 22 - 28 May 2015, pp.1-10
- XL. **Performance of EPB TBM in Beylerbeyi Kucuksu Wastewater Tunnel in Istanbul**
AKGUL M., AKGUL E., BOSTANCI E., ÇOPUR H.
WTC2015 World Tunnel Congress, Dubrovnik, Croatia, 22 - 28 May 2015, pp.1-10
- XLI. **A New Generation of Portable Linear Rock Cutting Machine (PLCM) and Comparison with Full Scale Linear Rock Cutting Tests**
Balcı C., COMAKLI R., POLAT C., Tumaç D., Avunduk E., Çopur H., BILGIN N.
ITA World Tunnel Congress (WTC 2015), Dubrovnik, Croatia, 1 - 04 May 2015, pp.10-0
- XLII. **Cutter Forces Measurement with PLCM Using Mini Conical Pick: Comparison with the Theoretical and Empirical Models**
POLAT C., Balcı C., COMAKLI R., Avunduk E., Tumaç D., Çopur H., BILGIN N.
ITA World Tunnel Congress (WTC 2015), Dubrovnik, Croatia, 1 - 04 May 2015, pp.8-0
- XLIII. **Cutter Forces Measurement with (PLCM®) Using Mini Disc Cutters: Comparison with the Theoretical Models**
COMAKLI R., Balcı C., BILGIN N., Çopur H., Tumaç D., POLAT C., Avunduk E.
ITA World Tunnel Congress (WTC 2015), Dubrovnik, Croatia, 01 May 2015, pp.10-0
- XLIV. **Cutting performance of chain saw and diamond wire machines in beige marble quarry**
AVUNDUK E., Tumaç D., BASYIGIT M., ER S., Çopur H., Balcı C.
8th Asian Rock Mechanics Symposium, ARMS 2014, Sapporo, Japan, 14 - 16 October 2014, pp.1573-1578
- XLV. **Pre-investigation to determine the effects of rock properties on performance of chain saw and diamond wire machines**
Tumaç D., AVUNDUK E., ER S., BASYIGIT M., Çopur H., Balcı C., YASAN I.
8th Asian Rock Mechanics Symposium, ARMS 2014, Sapporo, Japan, 14 - 16 October 2014, pp.1564-1572
- XLVI. **Amasya-Suluova Bölgesinde Bir Kömür Ocağının Galeri Kazıları İçin Kollu Galeri Açma Makinesi Seçimi ve Performans Tahmini**
Çopur H., Balcı C., Tumaç D., Avunduk E., COMAKLI R., POLAT C.
Türkiye 19. Kömür Kongresi Sempozyumu, İstanbul, Turkey, 21 - 23 May 2014, pp.87-104
- XLVII. **Field analysis of disc cutter consumption in Uskudar Umraniye Cekmekoy Sancaktepe Metro Tunnel in Istanbul**
NAMLI M., Şavk S., Bostancı E., ÇOPUR H., BALCI C., BİLGİN N.
World Tunnel Congress 2014, Foz do Iguaçu, Brazil, 9 - 15 May 2014
- XLVIII. **How the complex geology of Turkey affected the performance of different TBMs lessons learnt**
BİLGİN N., ÇOPUR H., BALCI C., Aksu F.
World Tunnel Congress 2014, Foz do Iguaçu, Brazil, 9 - 15 May 2014
- XLIX. **The performance prediction of a TBM in a complex geology in Istanbul and the comparisons with actual values**
Çakmak O., Pakiş İ., Tüysüz L., Talu D., Dumlu M., BİLGİN N., ÇOPUR H., BALCI C.

World Tunnel Congress 2014, Foz do Iguaçu, Brazil, 9 - 15 May 2014

- L. **A Stochastic Method for Predicting Performance of EPB TBMS Working in Semi-Closed/Open Mode**
Çopur H., Aydın H., BILGIN N., Balcı C., Tumaç D., DAYANC C.
ITA-AITES World Tunnel Congress (WTC 2014), Iguassu Falls, Brazil, 1 - 04 May 2014, pp.8-0
- LI. **Experimental comparison of single and double scroll cutting patterns by using chisel cutting tools of chain saw machines**
AVUNDUK E., Tumaç D., Çopur H., Balcı C., BILGIN N.
3rd ISRM Symposium on Rock Characterisation, Modelling and Engineering Design Methods, SINOROCK 2013, Shanghai, China, 18 - 20 June 2013, pp.729-734
- LII. **Estimation of the performance of chain saw machines from shore hardness and the other mechanical properties**
Tumaç D., AVUNDUK E., Çopur H., BILGIN N., Balcı C.
3rd ISRM Symposium on Rock Characterisation, Modelling and Engineering Design Methods, SINOROCK 2013, Shanghai, China, 18 - 20 June 2013, pp.261-265
- LIII. **Future tunnelling projects in Istanbul and some considerations for using mechanized tunnelling based on previous experiences**
Bilgin N., Balcı C., Çopur H., Akyuz S., Namli M., Tuysuz L.
World Tunnel Congress: Underground - The Way to the Future, WTC 2013, Geneva, Switzerland, 31 May - 07 June 2013, pp.2094-2099
- LIV. **Comparison of Cutting Forces for V-type Disc Cutter and Performance Prediction of TBM Using Portable Linear Rock Cutting Machine (PLCM)**
Tumaç D., Balcı C., BILGIN N., Çopur H.
7th Asia Rock Mechanic Symposium (ARMS2012), Seoul, South Korea, 1 - 04 October 2012, pp.1156-1165
- LV. **Effect of some Geotechnical Properties on TBM Performance**
Avunduk E., Çopur H., BILGIN N., Balcı C., Tumaç D.
European Rock Mechanics Symposium (EUROCK 2012, ISRM International Symposium), Stockholm, Sweden, 1 - 04 May 2012, pp.9-0
- LVI. **Rock Mechanics Aspects Related to Cutting Efficiency of Mechanical Excavators in Complex Geology**
BILGIN N., Balcı C., Çopur H., Tumaç D., Avunduk E.
European Rock Mechanics Symposium (EUROCK 2012, ISRM International Symposium), Stockholm, Sweden, 1 - 04 May 2012, pp.13-0
- LVII. **Sürekli Yüzey Kazıcıların Seçim Kriterleri, Yenice-Sivas Barit Madeni**
BILGIN N., Çopur H., Balcı C., Tumaç D., Avunduk E., Ergunalp D.
Türkiye 3. Maden Makinaları Sempozyumu, İzmir, Turkey, 5 - 06 May 2011, pp.1-10
- LVIII. **Zincirli Kesme Makinelerinin Performans Tahmini İçin Görgül Bir Model**
Çopur H., Balcı C., BILGIN N., Tumaç D., Avunduk E., Demirel Ş., Şimşek A.
Türkiye 3. Maden Makinaları Sempozyumu, İzmir, Turkey, 5 - 06 May 2011, pp.55-65
- LIX. **Experience Gained on Mechanized Tunnelling in Istanbul and Some Recommendations for Mining Industry**
BILGIN N., Çopur H., Balcı C., Tumaç D., Avunduk E.
The 22nd World Mining Congress and Expo, İstanbul, Turkey, 1 - 04 May 2011, pp.155-159
- LX. **A Deterministic Model for Predicting and Optimizing Performance of Chain Saw Machines**
Çopur H., Balcı C., BILGIN N., Tumaç D., Avunduk E., Saracoglu M., Serter A.
The 22nd World Mining Congress and Expo, İstanbul, Turkey, 1 - 04 May 2011, pp.175-181
- LXI. **Use of Laboratory Full Scale Cutting Tests for Surface Continuous Miners: A Case Study, Yenice-Barite Mine in Turkey**
Balcı C., Çopur H., Ergunalp D., Tumaç D., BILGIN N.
The 22nd World Mining Congress and Expo, İstanbul, Turkey, 01 May 2011, pp.191-196
- LXII. **Field and laboratory studies on performance of chain saw machines**
Çopur H., Balcı C., Tumaç D., BILGIN N., AVUNDUK E.
European Rock Mechanics Symposium, EUROCK 2010, Lausanne, Switzerland, 15 - 18 June 2010, pp.823-826

- LXIII. **Selection and design of mechanical excavators and some recent projects from turkey**
Balci C., BILGIN N., Çopur H., Tumaç D.
European Rock Mechanics Symposium, EUROCK 2010, Lausanne, Switzerland, 15 - 18 June 2010, pp.409-412
- LXIV. **Development of a portable rock cutting rig for rock cuttability determination**
BILGIN N., Balci C., Tumaç D., FERIDUNOGLU C., Çopur H.
European Rock Mechanics Symposium, EUROCK 2010, Lausanne, Switzerland, 15 - 18 June 2010, pp.405-408
- LXV. **TTK Amasra Bölgesi Kalın Damarın Kesilebilirlik Özellikleri ve Mekanize Kazısı Üzerine Bazı Görüşler**
BILGIN N., Temizyürek İ., Çopur H., Balci C., Tumaç D.
Türkiye 17. Kömür Kongresi, Zonguldak, Turkey, 2 - 04 June 2010, pp.217-229
- LXVI. **Zincirli Kesme Makinelerinin Performans Tahminine Yönelik Yapılan Köşe Kesme Deneyleri ve Yorumu**
Çopur H., Balci C., Tumaç D., BILGIN N.
Türkiye 2. Maden Makinaları Sempozyumu, Zonguldak, Turkey, 4 - 06 November 2009, pp.79-91
- LXVII. **Performance Prediction and Comparison with in-situ Values of a Tbm: A Case Study of Otogar-Bagcilar Metro Tunnel in Istanbul**
Balci C., Tumaç D., Çopur H., BILGIN N., Yazgan S., Demir E., Aslabbas G.
ITA-AITES World Tunnel Congress (WTC 2009), Budapest, Hungary, 1 - 04 May 2009, pp.23-28
- LXVIII. **Laboratory Cutting Tests for Performance Prediction of Chain Saw Machines**
Çopur H., Balci C., BILGIN N., Tumaç D.
21st World Mining Congress and Expo, Krakow, Poland, 1 - 04 June 2008, pp.97-107
- LXIX. **The Selection and Design of Rapid Excavation Systems Using Full and Small Scale Laboratory Rock Cutting Tests, Some Examples from Turkey**
Balci C., BILGIN N., Çopur H., Tumaç D.
3rd International Colloquium for Mechanical Extraction, Freiberg, Germany, 1 - 04 May 2008, pp.8-0
- LXX. **The Selection of a Tbm Using Full Scale Laboratory Tests and Comparison of Measured and Predicted Performance Values in Istanbul Kozyatagi- Kadikoy Metro Tunnels**
BILGIN N., Çopur H., Balci C., Tumaç D., Akgul M., Yuksel A.
World Tunnel Congress (WTC 2008), Agra, India, 1 - 04 May 2008, pp.1509-1517
- LXXI. **Kadıköy-Kartal Metro Tünellerinde Kullanılacak Tünel Açma Makinelerinin (TBM) Bazı Tasarım Parametrelerinin Kesme Deneyleri ile Belirlenmesi ve Performans Tahmini**
BILGIN N., Çopur H., Balci C., Tumaç D., Akgul M., Yuksel A., Kahrman A.
Ulaşımında Yeraltı Kazıları 2. Sempozyumu, İstanbul, Turkey, 15 - 17 November 2007, pp.63-71
- LXXII. **Baltalimanı-Sarıyer Arası Sahil Kuşaklama Kollektörleri ve Bağlantıları İnşaatı Mikrotünel Kazıları**
Çopur H., Engin M., Omac N., Balci C., Tumaç D.
Ulaşımında Yeraltı Kazıları 2. Sempozyumu, İstanbul, Turkey, 15 - 17 November 2007, pp.129-138
- LXXIII. **Full-scale linear cutting tests towards performance prediction of chain saw machines**
Çopur H., Balci C., BILGIN N., Tumaç D., DÜZYOL I.
20th International Mining Congress and Exhibition of Turkey, IMCET 2007, Ankara, Turkey, 6 - 08 June 2007, pp.161-169
- LXXIV. **Full Scale Linear Cutting tests towards Performance Prediction of Chain Saw Machines**
ÇOPUR H., BALCI C., BİLGİN N., TUMAÇ D., İlke D.
Proc. of the 20th International Mining Congress and Exhibition- IMCET 2007, 6 - 08 June 2007, pp.161-169
- LXXV. **Tünel Açma Makinelerinin (TBM) Tam Boyutlu Kesme Deneyi ile Performans Tahmini**
Balci C., BILGIN N., Çopur H., Tumaç D., Akgul M.
Birinci Maden Makinaları Sempozyumu, Kütahya, Turkey, 10 - 12 May 2007, pp.61-70
- LXXVI. **İstanbul'da Yeraltı Kazılarının Dünyü Bugünü ve İtû Kazı Mekanizasyonu Laboratuarının Gelişme Öyküsü**
BILGIN N., Çopur H., Balci C., Tumaç D., DÜZYOL I.
Birinci Maden Makinaları Sempozyumu, Kütahya, Turkey, 10 - 12 May 2007, pp.115-124
- LXXVII. **Doğal Taş Madenciliğinde Kullanılan Zincirli Kesme Makinelerinin Performansı**
Çopur H., Balci C., BILGIN N., Tumaç D., DÜZYOL I., Kekeç N.

- Birinci Maden Makinaları Sempozyumu, Kütahya, Turkey, 10 - 12 May 2007, pp.37-46
- LXXVIII. **Neural networks analysis for estimating rock cuttability from rock properties**
BILGIN N., FERIDUNOGLU C., Tumaç D., Çopur H., Balci C., Tunçdemir H.
41st U.S. Rock Mechanics Symposium - ARMA's Golden Rocks 2006 - 50 Years of Rock Mechanics, Golden, CO, United States Of America, 17 - 21 June 2006
- LXXIX. **Cutting Performance of Chain Saws in Quarries and Laboratory**
Çopur H., Balci C., BILGIN N., Tumaç D., Feridunoğlu C., Dincer T.
Fifteenth International Symposium MPES 2006 on Mine Planning and Equipment Selection, Torino, Italy, 1 - 04 June 2006, pp.1324-1329
- LXXX. **Selection of a mechanical mining system for an underground chromite mine**
BILGIN N., Çopur H., Balci C., Tunçdemir H., Tumaç D., FERIDUNOGLU C.
14th International Symposium on Mine Planning and Equipment Selection, MPES 2005 and the 5th International Conference on Computer Applications in the Minerals Industries, CAMI 2005, Banff, Canada, 31 October - 03 November 2005, pp.120-143
- LXXXI. **A model to predict the performance of tunneling machines under stressed conditions**
BİLGİN N., TUNÇDEMİR H., BALCI C., ÇOPUR H., ESKİKAYA S.
World Tunnel Congress 2000, Johannesburg, South Africa, 13 - 18 May 2000, pp.47-53
- LXXXII. **Studies on performance prediction of roadheaders based on field data in mining and tunnelling projects**
ÇOPUR H., ROSTAMI J., OZDEMİR L., BİLGİN N.
4th International Symposium on Mine Mechanization and Automation, Brisbane, Australia, 6 - 09 July 1997, pp.41-49
- LXXXIII. **SLOPE STABILITY ANALYSIS IN KBI-MURGUL COPPER MINE OF TURKEY**
NASUF E., ESKİKAYA S., BILGIN N., Çopur H., KONT R.
INTERNATIONAL SYMP ON ASSESSMENT AND PREVENTION OF FAILURE PHENOMENA IN ROCK ENGINEERING, İstanbul, Turkey, 5 - 07 April 1993, pp.549-554

Supported Projects

- Çopur H., Project Supported by Higher Education Institutions, Tünel delme makinelerinde oluşan titreşimlerin jeolojikjeoteknik koşulların ve kazı performansının tahmininde kullanılması, 2017 - Continues
- Çopur H., Project Supported by Higher Education Institutions, TBM Kullanılan Bazı Tünel Projelerinde Kayaç Kütlelerinin Aşındırıcılıklarının İncelenmesi ve Keski Tüketim Tahmin Modeli Geliştirilmesi, 2013 - Continues
- Tumaç D., Çopur H., Balci C., ER S., Polat C., Gümüş A., Project Supported by Higher Education Institutions, Doğal Taşların Mikro Özelliklerinin Elmas Boncuk Tel Kesme Makinelerinin Arazi Performansına, Boncuk Tüketimine ve Laboratuvar Kazılabilirliğine Etkilerinin Araştırılması, 2020 - 2023
- Çopur H., Balci C., Tumaç D., TUBITAK Project, Başyukarı Delme Makinelerinin (BDM) Performanslarının Tahmini Ve Optimizasyonu, 2018 - 2021
- Çopur H., Project Supported by Higher Education Institutions, Zemin Şartlandırmanın Epb Tbm Performansının Etkisi, 2014 - 2019
- Çopur H., Project Supported by Higher Education Institutions, Tuzla Atıksu Tünelinde çalışan EPB TBM'de Çiftli Disk Keski Tüketimi, 2016 - 2018
- Çopur H., Project Supported by Higher Education Institutions, Çift Kalkanlı Bir TBM'in Disk Keski Tüketiminin Analizi, 2015 - 2018
- Çopur H., Project Supported by Higher Education Institutions, İstanbul Üsküdar-Ümraniye-Çekmeköy-Sancaktepe metro Tünelinde Disk Keski Tüketiminin Saha Analizi, 2014 - 2018
- Çopur H., Project Supported by Higher Education Institutions, EPB Tünelciliği için Mobil Bir Laboratuvarda Yapılan Pasa Şartlandırma Çalışmaları, 2013 - 2018
- Çopur H., Project Supported by Higher Education Institutions, Doğal Taşların Fiziksel ve Mekanik Özelliklerini Kullanarak Kama Tipi Kesiklerin Kazı Performansının Tahmin Edilmesi, 2012 - 2018

Çopur H., Project Supported by Higher Education Institutions, EPB TBM NİN KAZI ODASINDA MEYDANA GELEN BİR METAN PATLAMA VAKASI, 2011 - 2018

Çopur H., Project Supported by Higher Education Institutions, ZİNCİRLİ KESME MAKİNELERİNİN PERFORMANSLARI ÜZERİNE ARAZİ VE LABORATUAR İNCELEMELERİ, 2010 - 2018

Çopur H., Project Supported by Higher Education Institutions, BOĞAZİÇİ KIYIZINDA ÇAMUR BASINÇLI MİKROTÜNEL KAZILARI, 2009 - 2018

Çopur H., Project Supported by Higher Education Institutions, Laboratory Cutting Tests For Performance Prediction Of Chain Saw Machines, 2008 - 2018

Çopur H., Project Supported by Other Private Institutions, Investigations on the Hırdalan (Sulutepe), Hocahezen and Bibiheybet Waste Water Tunnels constructed by Piramida Tunel İnşaat MMC within the Scope of Azerbaijan Azersu Waste Water Tunnel Project, 2016 - 2017

Çopur H., Balcı C., Tumaç D., TUBITAK Project, Pasa Basınçlı Tünel Açma Makinelerinin (EPB TBM) Kazı Performanslarının Tahmini ve Optimizasyonu, 2014 - 2016

Çopur H., TUBITAK Project, Bazı Kayaçların Kesilebilirlik Özelliklerinin Araştırılarak Mekanize Kazı Makinelerinin Seçiminde Kullanılmak Üzere Taşınabilir Doğrusal Kaya Kesme Cihazının Geliştirilmesi, 2013 - 2016

Çopur H., TUBITAK Project, Doğal Taşların Dokusal Özelliklerinin Kesilebilirliğe ve Kırılabilirliğe Etkisinin Araştırılması, 2013 - 2015

Çopur H., Balcı C., Tumaç D., TUBITAK Project, Doğal Taş Madencilğinde Kullanılan Zincirli Kesme Makinelerinin Kazı Performanslarının Optimizasyonu, 2005 - 2008

Çopur H., TUBITAK Project, Kayaçların Kırılabilirliğini Etkileyen Parametrelerin Kazı Mekanikliği Bakımından İncelenmesi, 2001 - 2003

Memberships / Tasks in Scientific Organizations

TÜNELCİLİK DERNEĞİ, Vice President, 2012 - Continues

Scientific Refereeing

INTERNATIONAL JOURNAL OF ROCK MECHANICS AND MINING SCIENCE, SCI Journal, January 2017

ROCK MECHANICS AND ROCK ENGINEERING, SCI Journal, January 2017

TUNNELING AND UNDERGROUND SPACE TECHNOLOGY, SCI Journal, January 2017

Metrics

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H-Index (Scopus): 17

Congress and Symposium Activities

WTC2017, Attendee, Bergen, Norway, 2017

TBM DiGs 2016 Istanbul, Attendee, İstanbul, Turkey, 2016

WTC2016, Attendee, California, United States Of America, 2016

Non Academic Experience

University, Colorado School Of Mines, Excavation Engineering and Earth Mechanics Institute
Excavation Engineering and Earth Mechanics Institute, Colorado School of Mines