**CIRRICULUM VITAE**

March 2017

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**Bahtiyar ÜNVER**

Professor of Mining Engineering

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**QUALIFICATIONS**

**Academic Qualifications:**

1985-1988 PhD in Mining Engineering

 Thesis Title: Closure Around Longwall Access Roadways

The University of Nottingham, The Department of Mining Engineering, England

Thesis Supervisor: Professor Raghu N. Singh

1979-1984 BSc in Mining Engineering, Middle East Technical University, Ankara Turkey

**Experience:**

Professor Ünver has more than 30 years of experience in working in industry, academic research, teaching and consulting to mining industry and tunneling. His principal expertise and research interests lie in coal mine design, strata control and numerical modelling in mining and tunneling.

**EMPLOYMENT**

**Academic:**

2002-present *Professor*, Mining Engineering, Hacettepe University, Ankara

1997-2002 *Associate Professor*, Mining Engineering, Hacettepe University, Ankara

1993-1997 *Assistant Professor*, Mining Engineering, Hacettepe University, Ankara

1984-1985 *Research Assistant*, Mining Engineering, Middle East Technical University, Ankara

**Industrial:**

1988-1989 *Researcher*, Turkish Hard Coal Enterprises(TTK) Armutcuk Mine Rehabilitation Project. Project was carried out with the cooperation of CdFI (French Coal Board), Turkey.

1989-1993 *Mine Production Engineer*, Eynez Colliery of Aegean Lignite's, of Turkish Coal Enterprises, Soma, Manisa, Turkey.

**INSTITUTIONAL AND PROFESSIONAL SERVICES**

2015-2016*Dean***,** Engineering Faculty, Hacettepe University, Turkey

2014-2015 *Academic Consultant*, Soma Mine Accident Investigation Commission, The Grand National Assembly of Turkey

2006-*Chairman*, Mining Division,Department of Mining Engineering, Hacettepe University, Ankara

2005-2008*Deputy Dean*, Engineering Faculty, Hacettepe University, Turkey

2006-2012 *Establishing Member of Executive Board*, Hacettepe Teknopolis Inc., Turkey

2002-2005 *Chairman*, Department of Mining Engineering, Hacettepe University, Turkey

2007-2012 *Committee Member*, The Scientific and Technological Research Council of Turkey (TÜBİTAK), Engineering Research Group (MAG)

2000-2003 *General Secretary*, Member of Board, Turkish National Society for Rock Mechanics

1998 - 1998 *Visiting Scientist*, DAAD, Institut fur Bergbaukunde 1, RWTH-

 Aachen, Germany

1996 - 1998 *Member of Board*, The Chamber of Mining Engineers of Turkey.

**TEACHING INTERESTS**

Rock Mechanics, Mine Design, Coal/Mineral Reserve Estimation, Tunneling and Support Design

**PROFESIONAL MEMBERSHIP**

International Society for Rock Mechanics, Member

The Chamber of Mining Engineers of Turkey, Member

Turkish National Society for Rock Mechanics, Member

**THESES SUPERVISED**

**PhD Theses Supervised**

1. SÜLEYMAN YASİN KILLIOĞLU (Cont.) “Madencilikte Artırılmış Tehlike Farkındalığı İçin Sanal Gerçeklik Benzetişimlerinin Geliştirilmesi (Development of Augmented Virtual Reality Simulations For Danger Awareness in Mining)”
2. MEHMET SUPHİ ÜNAL (Cont.) “Dünyadaki Profesyonel Madencilik Eğitim Yöntemlerinin Analizi ve Türkiye İçin Öneriler (Analysis of Professional Mining Education Methods in the World and Suggestions For Turkey)”
3. ROHOLA HASANPOUR (2013) “Evaluation Of Applicability Of Double Shield Tunnel Boring Machines (DS-TBM) In Potentially Squeezing Grounds (Çift Kalkanlı Tünel Açma Makinelerinin Sıkışan Zemin Koşullarinda Kullanabilirliğinin Araştırılması)” (In English with Turkish Abstract)
4. HAMID CHAKERI (2012) “Investigation Of Face Stability And Surface Settlement At Earth Pressure Balance (EPB) Tunneling Method (Zemin Basıncı Dengeleme Tünelcilik Yönteminde (ZBD) Ayna Duraylılığı Ve Yer Üstü Oturmalarının İncelenmesi” (In English with Turkish Abstract)
5. NAZMİ ERHAN YAŞITLI (2008) “Dairesel Testereli Kesme Mekanizmasının Sayısal Modellemesi (Numerical Modeling Of Circular Sawing Mechanism)” (In Turkish with English Abstract)
6. EBU BEKİR AYGAR (2007) “Bolu Tüneli Duraylılığının Statik ve Dinamik Analiz Yöntemleriyle İncelenmesi (Investigation of Bolu Tunnel Stability by means of Static and Dynamic Analyses)” (In Turkish with English Abstract)
7. MURAT ÜNAL (2000) “Süreksizlik Yüzey Pürüzlülüğünün Modellenmesi ve Makaslama Dayanımı Üzerine Etkilerinin İncelenmesi (Modelling of Discontinuity Surface Roughness and Investigation of It’s Effect on Shear Strength)” (In Turkish with English Abstract)

**MSc Theses Supervised**

1. EBRU TÜZEL ÇALIŞKAN (Cont.) “Açık Ocak Maden Planı Ve Optimizasyonu (Mine Planning and Optimization of Open Pit Mines)”
2. BARIŞ BİLGEN (Cont.), “Türkiyede Ve Dünyada, Yeraltı Kömür Madenlerinde Havalandırmaya Yönelik İlgili Mevzuatların Karşılaştırmalı Analizi (Comparison of Underground Coal Mine Ventilation Related Regulations in Turkey and the World)
3. DERYA KOÇAK (Cont.) “Bir Kömür Madeninde İş Sağlığı Ve Güvenliği Risk Değerlendirmesi İçin Uygun Yöntem Seçimi, (Selection of a Suitable Risk Assessment Methodology at an Underground Coal Mine)”
4. TUĞBA ATLI ÇİÇEK (Cont.) “Türkiye ve Bazı Ülkelerde Riskli Yeraltı Kömür Madenleri Denetim Mekanizmasnın Karşılaştırılması, (Comparison of Underground Coal Mine Inspection Mechanism in Turkey with Some Countries)”
5. ÖMÜR BURAK BİRKAN (Cont.) “Madencilik Firmalarının Finans Kaynağı Sağlamaları Amacıyla Borsaya Açılma Yöntem Önerisi, (Suggestion of a Methodology for Mining Companies to Be Listed in Stock Market to Supply Financial Resource)”
6. SÜLEYMAN YASİN KILLIOĞLU (2013) “Sanal Gerçekliğin Türkiye Madencilik Endüstrisinde Kullanılabilirliği, (Usability Of Virtual Reality In Turkish Mining Industry) ” Hacettepe University, The Department of Mining Engineering, (In Turkish with English Abstract)
7. MEHMET SUPHİ ÜNAL (2011) “Fay Zonlarının Coğrafi Veriler ve Sondaj Bilgileri Yardımıyla Bilgisayar Ortamında Tespiti (Computer Aided Detection of Fault Zones By Using Drill Hole Data)” Hacettepe University, The Department of Mining Engineering, (In Turkish with English Abstract)
8. BURAK YASUN (2011) “Çimento Fabrikalarında Solunabilir Tozdaki Serbest Kristalin Silika - Kuvars İçeriklerinin Değerlendirilmesi (Evaluation of Free Crystaline Silica-Quartz Content in the Respirable Dust at Cement Plants)” Hacettepe University, The Department of Mining Engineering, (In Turkish with English Abstract)
9. AYŞE PINAR GÜRSES (2011) “Türkiye ve Dünyada Uygulanmakta Olan Maden Kanunu Ve Yönetmeliklerin Karşılaştırmalı Analizi (Comparative Analysis of Mining Laws and Implementation Regulations in Effect in Turkey and the World)” Hacettepe University, The Department of Mining Engineering, (In Turkish with English Abstract)
10. AYŞE ÖZER (2011) Soma Linyitinin Yer Altında Gazlaştırılabilme Açısından İncelenmesi (Investigation of Underground Gasification Characteristics of Soma Lignites)” Hacettepe University, The Department of Mining Engineering, (In Turkish with English Abstract)
11. EMRE ERDEM (2005) “Süreyyabey Barajı Perde Aksı Grafit-Şistlere Uygun Enjeksiyon Şerbetinin Tespiti, (Determination of Suitable Grout Injection Mix for Graphitic Schist at Çekerek (Süreyyabey) Dam)” Hacettepe University, The Department of Mining Engineering, (In Turkish with English Abstract)
12. NAZİFE TİRYAKİ (2008) “Mechanical Rock Fragmentation By Indentation, (Çeşitli Delici Uçlarla Yapılan Kaya Parçalanmasının Sayısal Analizi)“ Hacettepe University, The Department of Mining Engineering, (In English with Turkish Abstract)
13. ÖZGÜR SATICI (2007) “Kavak Merzifon Yolu T4 Tüneli Duraylılık Analizi (Stability Analysis of Kavak Merzifon T4 Tunnel)” Hacettepe University, The Department of Mining Engineering, (In Turkish with English Abstract)
14. EMEL ÇETİNER GÜNEY (2005) “Maden Atıkları Yönetimi, Ülkemizde Ve Avrupada Maden Atıkları Mevzuatı (Mining Waste Management And Mining Waste Regulations In Turkey And Europe)” Hacettepe University, The Department of Mining Engineering, (In Turkish with English Abstract)
15. DENİZ ÖZBİLGİN (2004) Kanonik Korelasyon Tekniği İle Bazi Kumtaşlarina Ait Mekanik Özelliklerin Kestirimi, (Estimation of Mechanical Properties of Sandstone Samples By Using Canonic Correlation Technique)” Hacettepe University, The Department of Mining Engineering, (In Turkish with English Abstract)
16. NAZMİ ERHAN YAŞITLI (2002) “Tavan Kömürü Göçertmeli Uzunayak Yönteminin Sayısal Modellenmesi (Numerical Modelling of Longwall With Top Coal Caving)” Hacettepe University, The Department of Mining Engineering, (In Turkish with English Abstract)
17. CELAL AĞAN (2002) “Tüf İçerisinde Açılan Yeraltı Depolarında Isı Transferlerinin Modellenmesi, (Heat Transfer Modelling of Underground Storage Caverns Opened in Tuff)” Hacettepe University, The Department of Mining Engineering, (In Turkish with English Abstract)
18. MAHMUT MURAT CEYHAN (2000) “Kalın Kömür Damarlarında Şevaltı Üretim Yönteminin Sayısal Modelleme Tekniğiyle İncelenmesi (Investigation of Highwall Mining Method Applied at Thick Coal Seams by Numerical Modelling)” Hacettepe University, The Department of Mining Engineering, (In Turkish with English Abstract)
19. EBU BEKİR AYGAR (2000) “Bolu Tünellerinde Yeni Avusturya Tünelcilik Yöntemine Eleştirel Bir Yaklaşım (A Critical Approach to the New Austrian Tunneling Method in Bolu Tunnels)” Hacettepe University, The Department of Mining Engineering, (In Turkish with English Abstract)
20. ERSAN DEĞERLİ (1999) “Açık Ocaklarda Toz Dağılımının Bir Bilgisayar Programı İle Değerlendirilmesi (Evaluation Of Dust Dispersion In Open Pits By A Computer Program)” Hacettepe University, The Department of Mining Engineering, (In Turkish with English Abstract)
21. ALİ ASLAN ÖZÖZEN (1996) “Plastik Sulu Sıkılama Kartuşlarının Patlatma Verimine,Ocak Atmosferine Ve Patlama Ekonomisine Olan Etkilerinin İncelenmesi (Investigation of Plastic Water Stemming Cartridges from Safety, Miner’s Health and Blasting Economy Points of View in Underground Blasting Operations)” Hacettepe University, The Department of Mining Engineering, (In Turkish with English Abstract)
22. MEHMET ALİ KARGI (1995) “Yeni Çeltek İşletmesi Bolu Ocağında Taban Yollarında Oluşan Konverjansların İncelenmesi (Investigation of Convergences at Gate Roadways of Yeni Celtek Bolu Coal Mine)” Hacettepe University, The Department of Mining Engineering, (In Turkish with English Abstract)

**RESEARCH**

**Research Funding**

1. Project Coordinator and Principal investigator, Turkish State Railways, Investigationf of stability conditions of tunnels opened at Kırıkkale, Ankara – Sivas High Speed Railway Line, 2016-(Cont.)
2. Project Sub-Coordinator and Principal investigator, Turkish Coal Enterprises, Use of indigenous coal resources at Trakya Region of Turkey – Environmental, Geological, Geotechnical- Hydrogeological Study and Resource Modelling, 2016-(Cont.)
3. Project Sub-Coordinator and Principal investigator, Santral Mining Co., Resource modeling, geotechnical-hydrogeological study and open pit mine design at Taç and Çorak gold deposits, Artvin-Yusufeli, Turkey, 2016-(Cont.)
4. Project Coordinator and Principal investigator, Demirexport Co.; Problems related with strata control and mine safety at East Eynez Underground Coal Mine, Soma, 2016-2017
5. Principal investigator (with A.E. Tercan and M.A. Hindistan as co PIs), General Directorate of Turkish Coal Enterprise; Lower calorific value estimation of Igdekuzu (Turkey) coal project, 2016
6. Principal investigator (with A.H. Onur and D. Karakuş as co PIs), Demirexport-Fernas Joint Venture, Evaluation of coal resource located at the northern blocks of East Eynez Mine for production by using surface and/or underground methods, 2016,
7. Project Coordinator and Principal investigator, İÇTAŞ Co., Preparation of arbitration court case documents on technical basis, 2015
8. Project Coordinator and Principal investigator (with A.E. Tercan and M.A. Hindistan as co PIs), D-Energy Co.; Resource estimation and pre-feasibility underground coal mining at Denizli Civril Coal Deposit, 2015
9. Project Coordinator and Principal investigator, Turkish State Railways, Investigationf of stability conditions of tunnels opened at Polatlı, Ankara – İzmir High Speed Railway Line, 2014-2015,
10. Project Coordinator and Principal investigator, Cengiz-İçtaş-Belen Joint Venture, Research on instability conditions observed at T26 Tunnel Bozüyük Bilecik (Ankara – İstanbul High Speed Train Line) by 3D numerical modelling and in situ monitoring, 2013-2014,
11. Project Coordinator and Principal investigator (with 5 other co PIs), General Directorate of Eti Mine Works; Resource estimation of Kizilcaoren (Turkey) REE project, 2013-2014
12. Co-Principal investigator (with 5 other co PIs), Electricity Generation Company; Resource estimation of Karapınar and Pinarca-Hallacli (Turkey) coal projects, 2013-2014
13. Project Coordinator and Principal investigator (with A.E. Tercan and M.A. Hindistan as co PIs), Ziraat Bank; Technological and Financial Monitoring for Gordes (Turkey) Nickel and Cobalt Project; 2012-2013
14. Principal investigator, The Scientific and Technological Research Council of Turkey (TUBITAK), General Directorate of Turkish Coal Enterprise and NETCAD; Sofware development for mine planning and production optimization, 2009-2012
15. Project Coordinator and Principal investigator (with M.A. Hindistan), Excavation of Support Design of Gallery Type Underground Explosive Magazine at İliç Gold Mine, Anagold, Alacer Gold, 2012
16. Project Coordinator and Principal investigator (with 5 other co PIs), General Directorate of Turkish Coal Enterprise, Resource estimation and conceptual study of Tuncbilek-Omerler (Turkey) coal project, 2010-2011
17. Project Coordinator and Principal investigator (with 5 other co PIs), General Directorate of Turkish Coal Enterprise; Resource estimation and conceptual study of Soma-Eynez (Turkey) coal project, 2010-2011
18. Principal investigator (with A.E. Tercan and M.A. Hindistan as co PIs), Global Machine Electricity Industry and Trade Inc.; Resource estimation of Tqvarchel (Abkhazia) coal project, 2010-2011
19. Principal investigator (with A.E. Tercan and M.A. Hindistan as Co PIs), Meta Nickel, Cobalt Mining Industry and Trade Inc.; Resource Estimation of Turkmencardagi (Turkey) Lateritic Nickel Project, 2009
20. Project Coordinator and Principal investigator (with A.E Tercan and M.A. Hindistan as Co PIs), Meta Nickel, Cobalt Mining Industry and Trade Inc.; Resource Estimation of Gordes (Turkey) Lateritic Nickel Project, 2009
21. Project Coordinator and Principal investigator, General Directorate of Turkish Coal Enterprise; Resource estimation of Tufanbeyli (Turkey) coal project, 2007-2008
22. Principal investigator (with 5 other Co PIs), General Directorate of Turkish Coal Enterprise; Resource estimation of Saray (Turkey) coal project, 2007-2008
23. Project Coordinator and Principal investigator (with 5 other Co PIs), General Directorate of Turkish Coal Enterprise, Resource estimation of Seyitomer (Turkey) coal project, 2007-2008
24. Technical report on the reserve and production method at Meselik Chromite Mine, 2008,
25. Principal investigator (with A.E. Tercan and M.A. Hindistan as Co PIs), Estimation of calorific value of run off mine coal and optimimization of production schedule at Tuncbilek Buyukduz Colliery, Park Energy, 2008
26. Report on rehabilitation of Saqnaksiri Tkibuli Coal Mines, G-Energy Georgia, 2007
27. Project Coordinator and Principal investigator (with A.E. Tercan and M.A. Hindistan as Co PIs), Reserve estimation and 3D modelling of Malkara Coal Basin, Pullukcu Co, 2007
28. Orebody modeling and production planning of Tavas Manganese Mine by using Surpac Software, ERDEMİR, Iron and Steel Works, 2007
29. Design of 75 ton Capacity Underground Explosive Magazine for SENBAY Co., Private Project, July, 2003.
30. Determination of Optimum Production Methods for Soma and Tunçbilek Thick Coal Seam Districts” The Scientific and Technological Research Council of Turkey (TÜBİTAK) MISAG Project, 2003.
31. Numerical Simulation of Longwall with Top Coal Caving Production Method Applied at Thick Coal Seams, Research Fund, No: 0002602009, Hacettepe University, 2002.
32. Design of underground excavations opened in volcanic rocks for storage purposes, Research Fund, No: 98.01.602007, Hacettepe University, 2001.
33. Development and performance evaluation of plastic water stemming cartridges for underground blasting operations, Project No: 96K120880 Turkish State Planning Organisation (DPT), 1997
34. An investigation into in situ and laboratory strength determination of monolithic packing materials. The project was carried out for British Coal with special contributions of Blue Circle Cement Company, Pozzament Company and Thyssen Company, England 1988.
35. Determination of index rock properties to improve the efficiency of road headers and tunnelling equipment. The project was carried out for Dosco Company, England 1988.
36. Determination of the susceptibility of the Minestones to spontaneous combustion project for British Coal, Minestones service, 1987. a project report was presented to British Coal, England
37. Sawability and drillability of various rocks concerning techniques of rock cutting and statistical analysis of the test results. Project was carried out for De Beers International and a report was presented, 1987. England
38. Assessment and planning of the ground preparation for a Nuclear Power Plant site at Akkuyu, Mersin, Turkey, for State Electrical Projects Planning and Design Institute (EIE), 1984 Turkey

**PUBLICATIONS**

**Books, Book Chapters**

1. **B. Ünver** (1994) "A Manual For Laboratory and In Situ Testing Methods in Rock Mechanics" Hacettepe Üniversitesi, Mühendislik Fakültesi Yayınları, Yayın No: 31, Kasım, Ankara.
2. H. Gerçek, R. Ulusay, **B. Ünver** ve M.A.Hindistan (1999), “İngilizce – Türkçe Kaya Mekaniği Terimleri Kılavuzu” Türk Ulusal Kaya Mekaniği Derneği (TUKMD) Yayını, 34 p.
3. E. Unal, **B. Unver** and A.E. Tercan, (2001), The Proceedings of 17th International Mining Congress of Turkey (IMCET 2001), published by The Chamber of Mining Engineers of Turkey, Ankara, ISBN: 975-395-417-4, 876 pp.
4. **B. Ünver**, M.A.Hindistan and E. Akcan (2009) BALKANMINE-2009 (Congress Chairman), Proceedings of 3rd Balkan Mining Congress, October 1-3 İzmir Turkey, ISBN:978-9944-89-782-2, 701 p.

**Peer-reviewed Journal Publications**

1. B Tütmez and **B Ünver** (2017) “An uncertainty-based analysis for agreement of tensile strength measurement procedures” Geotechnical Testing Journal (Accepted for Publication)
2. Kıllıoğlu S.Y., Ünal M.S ve **Ünver B**. (2016), Maden Ekipmanları Patlatmazlık (Ex-Proof) Sertifikalarının Karşılaştırılması (Comparison of Explosion Proof Certificates of Mining Equipment), Madencilik Dergisi, Mining Journal of Turkish Mining Society, Vol.55, No.4, pp 37-45, December
3. Hatice Şengül, Ferda Bayrak, Merih Aydınalp Köksal, **Bahtiyar Ünver** (2016) “A cradle to gate life cycle assessment of Turkish lignite used for

electricity generation with site-specific data”, Journal of Cleaner Production 129, pp. 478-490

1. Chakeri H, Ozcelik Y, **Unver B**, (2015) "Investigation of ground surface settlement in twin tunnels driven with EPBM in urban area", ARAB J GEOS, Vol: 8 Issue:9, pp. 7655-7666,
2. F.I. Siddiqui, A. Pathan, **B. Unver**, A.E. Tercan, M.A. Hindistan, G. Ertunç, F. Atalay, S. Unal, Y. Kıllıoğlu, (2015), "Lignite Resource Estimations and Seam Modeling of Thar Field, Pakistan", International Journal of Coal Geology, 140, 84-96
3. Hamid Chakeri, **Bahtiyar Ünver**, Yilmaz Ozcelik, A novel relationship for predicting the point of inflexion value in the surface settlement curve, Tunnelling and Underground Space Technology 07/2014; 43:266–275.
4. Fırat Atalay, A. Erhan Tercan, **Bahtiyar Ünver**, Mehmet Ali Hindistan, Güneş Ertunç, A Geostatistical Study of Tertiary Coal Fields in Turkey, Mathematics of Planet Earth, Lecture Notes in Earth System Sciences 2014, pp 723-726,
5. Hamid Chakeri, **Bahtiyar Ünver**, A new equation for estimating the maximum surface settlement above tunnels excavated in soft ground, Environmental Earth Sciences, April 2014, Volume 71, Issue 7, pp 3195-3210,
6. Rohola Hasanpour, Jamal Rostami, **Bahtiyar Ünver**, 3D finite difference model for simulation of double shield TBM tunneling in squeezing grounds, Tunnelling and Underground Space Technology, Volume 40, February 2014, Pages 109-126,
7. Abdullah Erhan Tercan, **Bahtiyar Ünver**, Mehmet Ali Hindistan, Güneş Ertunç, Fırat Atalay, Suphi Ünal, Yasin Kıllıoğlu, Seam modeling and resource estimation in the coalfields of western Anatolia, International Journal of Coal Geology, Volume 112, 1 June 2013, Pages 94-106,
8. Hamid Chakeri, Yılmaz Ozcelik, **Bahtiyar Unver**, Effects of important factors on surface settlement prediction for metro tunnel excavated by EPB, Tunnelling and Underground Space Technology, Volume 36, June 2013, Pages 14-23,
9. Esin Pusman, Zafer C Cehreli, Nil Altay, **Bahtiyar Unver**, Osman Saracbasi, Gungor Ozgun, Fracture resistance of tooth fragment reattachment: effects of different preparation techniques and adhesive materials, Dental Traumatology 02/2010; 26(1):9-15.
10. Sevi Burcak Cehreli, Asli Guzey, Neslihan Arhun, Alev Cetinsahin, **Bahtiyar Unver**, The effects of prophylactic ozone pretreatment of enamel on shear bond strength of orthodontic brackets bonded with total or self-etch adhesive systems, European journal of dentistry. 10/2010; 4(4):367-73.13
11. Pusman E, Cehreli ZC, Altay N, **Unver B**, Saracbasi O, Ozgun G, (2010) “Fracture resistance of tooth fragment reattachment: effects of different preparation techniques and adhesive materials” Dental Traumatology, Volume: 26 Issue: 1 Pages: 9-15
12. Alireza Talebinejad, Hamid Chakeri, Mahdi Moosavi, Yılmaz Özçelik, **Bahtiyar Ünver**, Mehmet Ali Hindistan, Investigation of surface and subsurface displacements due to multiple tunnels excavation in urban area, Arabian Journal of Geosciences, August 2013,
13. Hamid Chakeri, Alireza Talebinejad, Mahdi Moosavi, **Bahtiyar Ünver**, Tunneling-induced ground movements on Tehran Metro, Soil Mechanics and Foundation Engineering, September 2012, Volume 49, Issue 4, pp 132-138,
14. S.Yasin Kıllıoğlu, **Bahtiyar Ünver**, Güneş Ertunç, Sanal Gerçekliğin Dünya Madenciliğindeki Yeri Ve Ülkemiz İçin Fırsatlar, TMMOB Maden Mühendisleri Odası Madencilik Dergisi, Bulletin of Chamber of Turkish Mining Engineers, 51/4, 2012,
15. N.E. Yaşıtlı, F.Bayram, **B.Unver**, Y.Özçelik, 2012, “Numerical modelling of circular sawing system using discrete element method”, Int. J. of Rock Mech. and Min. Sci., 55, 86-96,
16. N E Yasitli, F Bayram, **B Unver**, Y Ozcelik, Determination of reactional cutting forces on a circular sawblade machine by using experimental studies and numerical modelling, Proceedings of the Institution of Mechanical Engineers Part C Journal of Mechanical Engineering Science 1989-1996 (vols 203-210), (03/2012; 226(3):775-784. DOI: 10.1177/0954406211415323
17. Hamid Chakeri, Rohola Hasanpour, Mehmet Ali Hindistan, **Bahtiyar Ünver**, Analysis of interaction between tunnels in soft ground by 3D numerical modeling, Bulletin of Engineering Geology and the Environment, August 2011, Volume 70, Issue 3, pp 439-448,
18. Sevi Burçak Cehreli, Cagla Sar, Omür Polat-Özsoy, **Bahtiyar Unver**, Serhat Ozsoy, Effects of a fluoride-containing casein phosphopeptide-amorphous calcium phosphate complex on the shear bond strength of orthodontic brackets, The European Journal of Orthodontics 02/2011; 34(2):193-7.
19. Hindistan, M.A., Tercan, A.E. and **Ünver, B**., 2010. “Geostatistical coal quality control in longwall mining”, Int. J. of Coal Geology, v.81, pp.139-150.
20. Defne Keçik, Sevi Burçak, Çehreli, Çağla Şar and **Bahtiyar Ünver**, “Effect of Acidulated Phosphate Fluoride and Casein Phosphopeptide–Amorphous Calcium Phosphate Application on Shear Bond Strength of Orthodontic Brackets”, The Angle Orthodontist Volume 78, Issue 1 (January 2008) 129-134
21. **B. Unver,** N.E. Yasitli (2006) Modelling of strata movement with a special reference to cavingmechanism in thick seam coal mining, International Journal of Coal Geology 66 (2006) 227– 252
22. **B. Ünver** (1999), “Yeraltı Kömür Ocaklarında Tahkimat Elemanı Olarak Kaya Saplamalarının Kullanımı ve Performans İzleme Yöntemleri (Methods Related to Use and Performance Monitoring of Rock Bolts in Underground Coal Mines) ” Madencilik Dergisi, Bulletin of Chamber of Turkish Mining Engineers ,Aralık, Vol:38, No:4, pp. 3-20.
23. A.E. Tercan, **B. Unver**, B. Tiryaki, D. Ozbilgin (2005), "A Study of Relationships Among Mechanical, Index and Petrographic Properties of Some Sandstones Using Canonical Correlation Analysis ", Madencilik 44, 1, 3-14 (in Turkish)
24. Yaşıtlı, N.E. and **Unver, B**., (2005), 3-D numerical modeling of longwall with top coal caving, Int. J. of Roch Mech. and Min. Sci., 42, (2), 219-235.
25. **B. Unver**, (1999) “Effect of Residual Tectonic Stresses on Roadway Stability in an Underground Coal Mine”, SAIMM, Journal of the South African Institute of Mining and Metallurgy, May/June, Vol: 99, No: 2, pp. 167-172
26. **B. Unver** ve A Ozozen, 1998, “Kömür Stoklarında Meydana Gelen Kendiliğinden Yanma Süreci İle İlgili Modeller ve Alınması Gereken Tedbirler (Models Related to Spontaneous Combustion of Coal in Stockpiles and Preventive Measures)” Madencilik Dergisi Bulletin of Chamber of Turkish Mining Engineers, Eylül, Vol: 37, No: 3, pp 29-40.
27. B. Unver ve A Ozozen, 1998 “Assessment of the Use of Plastic Water Stemming Cartridges in Underground Blasting Operations” Transactions of the Institution of Mining and Metallurgy, Section A, Vol: 107,A1-62, January-April, pp A1-A5.
28. **B. Unver**, 1998, “An Investigation into the In Situ Performance of the Monolithic Packing Method: TekpakXX” International Mining&Minerals IMM, March 1998, Vol:1 No: 3, pp. 78-83.
29. A. Özözen ve **B. Ünver**, 1998, “Plastik Sulu Sıkılama Kartuşlarının (PSSK) Patlatma Verimi ve Parça Boyut Dağılımına Etkisi An Investigation into the Effect of Plastic Water Stemming Cartridges (PWSC) on Blasting Efficiency and Fragmentation Distribution” Madencilik Dergisi, Bulletin of Chamber of Turkish Mining Engineers, Vol: 37, No: 1, pp 5-16.
30. **B. Unver**, 1996 “Determination of Spontaneous Combustion Risk Potential of Colliery Wastes for the Environmental Impact Assessment”, Mineral Resources Engineering, Vol:5, No:3, pp. 229-239.
31. **B. Ünver**, 1996, “ Possibility of Efficient Application of Semi-mechanization in Longwall Mining in Thick Seams “ Journal of Mines Metals and Fuels, August, India, pp. 223-230.
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