

Prof. IŞIK YILMAZ

Personal Information

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Education Information

Postgraduate, Sivas Cumhuriyet University, Fen Bilimleri Enstitüsü, Turkey 2014 - 2018

Doctorate, Sivas Cumhuriyet University, Fen Bilimleri Enstitüsü, Turkey 1994 - 1998

Undergraduate, Hacettepe University, Mühendislik Fakültesi, Turkey 1984 - 1990

Dissertations

Doctorate, Köklüce Regülatörü-Erbaa HES iletim hattı güzergahındaki alüvyal zeminlerin şişme ve oturma sorunlarının jeo-mühendislik değerlendirilmesi, Sivas Cumhuriyet Üniversitesi, Fen Bilimleri Enstitüsü, 1998

Postgraduate, Sivas Cumhuriyet Üniversitesi kampüs alanı zeminlerinin jeo-mühendislik özelliklerinin incelenmesi, Sivas Cumhuriyet Üniversitesi, Fen Bilimleri Enstitüsü, 1994

Research Areas

Engineering and Technology

Academic Titles / Tasks

Professor, Sivas Cumhuriyet University, Mühendislik Fakültesi, Jeoloji Mühendisliği Bölümü, 2010 - Continues

Academic and Administrative Experience

Head of Department, Sivas Cumhuriyet University, Mühendislik Fakültesi, Jeoloji Mühendisliği Bölümü, 2010 - Continues

Dean, Sivas Cumhuriyet University, Mühendislik Fakültesi, Jeoloji Mühendisliği Bölümü, 2012 - 2015

Head of Department, Sivas Cumhuriyet University, Mühendislik Fakültesi, Jeoloji Mühendisliği Bölümü, 2011 - 2014

Courses

Mühendislik Jeolojisinde Alan Araştırmaları, Postgraduate, 2019 - 2020

Mühendislik Jeolojisi Örnek Olay Çalışmaları, Postgraduate, 2018 - 2019

Yeraltı suları ve Heyelanlar Açısından Jeoteknik Sorunlar, Postgraduate, 2018 - 2019

Kaya Mekaniği, Undergraduate, 2019 - 2020

Tez Çalışması, Postgraduate, 2018 - 2019

Malzeme, Undergraduate, 2018 - 2019

Mukavemet, Undergraduate, 2018 - 2019

Jeoteknik Açısından Depremler, Postgraduate, 2018 - 2019

Uzmanlık Alan Dersi, Doctorate, 2019 - 2020
Tez Çalışması, Doctorate, 2018 - 2019
Uzmanlık Alan Dersi, Postgraduate, 2019 - 2020
Mühendislik Jeolojisinde Şişen Zeminler, Postgraduate, 2019 - 2020
Bölgesel Planlamaya Esas Model Harita Üretimi, Doctorate, 2017 - 2018
Mühendislik Jeolojisinde Belirsizlikler ve Modellemesi, Doctorate, 2017 - 2018
Seminer Dersi, Postgraduate, 2017 - 2018
Malzeme, Undergraduate, 2016 - 2017
Şev Hareketleri,Heyelanlar ve Bölgesel Planlamada Etkileri, Doctorate, 2017 - 2018
Sorunlu Zeminler ve İyileştirme, Doctorate, 2016 - 2017
Harita Kampı, Undergraduate, 2016 - 2017
Seminer Dersi, Doctorate, 2017 - 2018
Mukavemet, Undergraduate, 2016 - 2017
Kaya Mekaniği, Undergraduate, 2017 - 2018
Çevre Jeotekniği, Undergraduate, 2015 - 2016
Kaya Mekaniği, Undergraduate, 2016 - 2017
Çevre Jeotekniği, Undergraduate, 2015 - 2016
Şehir ve Bölgesel Planlama Amaçlı Bütünleşik Jeoteknik Araştırmalar, Doctorate, 2015 - 2016
Kaya Kütlelerinin Jeo-Mekanik Özellikleri, Doctorate, 2015 - 2016
Zemin Mekaniği, Undergraduate, 2015 - 2016
Kaya Mekaniği, Undergraduate, 2014 - 2015
Mühendislik Jeolojisi ve Jeoteknik Uygulamalar, Undergraduate, 2012 - 2013
Mühendislik Jeolojisi ve Jeoteknik Uygulamalar, Undergraduate, 2012 - 2013
Zemin Mekaniği, Undergraduate, 2013 - 2014
Mühendislik Jeolojisi, Undergraduate, 2005 - 2006

Advising Theses

YILMAZ I., Şişen killerin iyileştirilmesinde jips kolonu performansının araştırılmasına ilişkin laboratuvar model çalışması, Postgraduate, B.ERGENOĞLU(Student), 2018
YILMAZ I., Şişen killi zeminlerin kireç kolonu tekniği ile iyileştirilmesi sırasında iyon göçü ve kolon performansının şişen kil oranına bağlı olarak değerlendirilmesi, Doctorate, D.TOKSÖZ(Student), 2017
YILMAZ I., Sivas ili merkez orta ölçekli yerleşime uygunluk planlarının CBS tabanlı analitik hiyerarşi süreci (AHS) kullanılarak hazırlanması, Postgraduate, Ş.CEYLAN(Student), 2015
YILMAZ I., İnce taneli zeminlerin bulanık mantık ile sınıflandırılması, Postgraduate, D.TOKSÖZ(Student), 2013
YILMAZ I., Karot boğma deneyi (cst) ' nin kayalarda dayanım anizotropisinin belirlenmesinde kullanılabilirliği ve performansının değerlendirilmesi, Postgraduate, Ö.YÜCEL(Student), 2012
YILMAZ I., Jipslerde dolinlerin oluşum mekanizmaları açısından süreksizlik özelliklerinin etkilerinin araştırılması: Kuzeydoğu Sivas örneği, Doctorate, İ.KESKİN(Student), 2011
YILMAZ I., Farklı türlerde suların killerin şişme davranışı üzerindeki etkilerinin araştırılması, Postgraduate, A.ALTUN(Student), 2011
YILMAZ I., Çetinkaya-Divriği (Sivas) arasındaki tren yolu güzergahı boyunca şev duraylılıklarının araştırılması ve kinematik kontrollü olası duraysızlık modelinin üretilmesi, Postgraduate, E.DERELİ(Student), 2010
YILMAZ I., Aluçra (Giresun) yöresindeki kaya şevlerinin duraylılığının kinematik analizi ve yapısal yaklaşım, Postgraduate, G.ÖZDEMİR(Student), 2009
YILMAZ I., Şişebilen killi zeminlerin doğal jips katkısı kullanılarak iyileştirilmesi, Postgraduate, B.CİVELEKOĞLU(Student), 2009
YILMAZ I., Şebinkarahisar (Giresun) yöresindeki kaya şevlerinin duraylılığının kinematik analizi ve yapısal yaklaşımı, Postgraduate, İ.KESKİN(Student), 2006
YILMAZ I., Yıldız ırmağı çökellerinin beton agregası olarak kullanılabilirliklerinin incelenmesi, Postgraduate,

M.YILDIRIM(Student), 2005

YILMAZ I., Yalova kenti alüvyal zeminlerinin mühendislik jeolojisi özellikleri, Postgraduate, D.YAVUZER(Student), 2004

YILMAZ I., Koyulhisar (Sivas) heyelanlarının incelemesi, Postgraduate, H.SENDİR(Student), 2001

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Engineering-geological investigation of the river bottom near a dam's stabilization threshold based on two different evaluation methodologies**
Marschalko M., Popielarczyk D., Templin T., YILMAZ I., Niemiec D., Augustynowicz M., Sombathy E., Kubac J.
ENVIRONMENTAL EARTH SCIENCES, vol.81, no.1, 2022 (Peer-Reviewed Journal)
- II. **Surface Geophysical Methods used to Verify the Karst Geological Structure in the Built-up Area: A Case Study of Specific Engineering-Geological Conditions**
Putiska R., Marschalko M., YILMAZ I., Niemiec D., Cheng Xianfeng C. X., Dostal I., Kubac J.
ACTA GEOLOGICA SINICA-ENGLISH EDITION, vol.95, no.5, pp.1763-1770, 2021 (Peer-Reviewed Journal)
- III. **Shallow mixing and column performances of lime, fly ash and gypsum on the stabilization of swelling soils**
Hozatlioglu D., YILMAZ I.
ENGINEERING GEOLOGY, vol.280, 2021 (Peer-Reviewed Journal)
- IV. **Bathymetric Monitoring of Alluvial River Bottom Changes for Purposes of Stability of Water Power Plant Structure with a New Methodology for River Bottom Hazard Mapping (Wloclawek, Poland)**
Popielarczyk D., Marschalko M., Templin T., Niemiec D., YILMAZ I., Matuszkova B.
SENSORS, vol.20, no.17, 2020 (Peer-Reviewed Journal)
- V. **A case study for identification of organic-silt bottom sediments in an artificial lake formed in gravel alluvium in the geotourism locality of Slnecne Jazera in Senec (Bratislava, Slovakia)**
Marschalko M., Putiska R., YILMAZ I., Niemiec D., Cheng X., Dostal I., Kolenak P.
QUARTERLY JOURNAL OF ENGINEERING GEOLOGY AND HYDROGEOLOGY, vol.53, no.2, pp.276-282, 2020 (Peer-Reviewed Journal)
- VI. **Mapping the low-enthalpy geothermal potential of Quaternary alluvial aquifers in Slovakia**
Krcmar D., Marschalko M., YILMAZ I., Malik P., Cernak R., Svasta J., Kulman E., Rusnakova D., Popielarczyk D., Yang S.
BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, vol.79, no.3, pp.1225-1238, 2020 (Peer-Reviewed Journal)
- VII. **Soil contamination by tar in the alluvial sediments: case study of the brownfield remediation project in the Czech Republic**
Marschalko M., Vicherek P., Vicherkova M., YILMAZ I., Kubac J., Popielarczyk D., Kempa T., Yang S.
ENVIRONMENTAL EARTH SCIENCES, vol.79, no.2, 2020 (Peer-Reviewed Journal)
- VIII. **Investigation of a hazardous uncontrolled dumpsite in an oxbow lake of the Nitra River for pollution potential: a case study**
Marschalko M., Putiska R., YILMAZ I., Niemiec D., Vybiral V., Popielarczyk D., Matuszkova B.
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.192, no.1, 2020 (Peer-Reviewed Journal)
- IX. **Surface runoff on loess: an example of a commonly overlooked hazardous process from northeast Czech Republic**
Niemiec D., Marschalko M., YILMAZ I., Cheng X., Stabl S.
BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, vol.78, no.8, pp.5841-5851, 2019 (Peer-Reviewed Journal)
- X. **A fuzzy prediction approach for swell potential of soils**
TOKSÖZ D., YILMAZ I.
ARABIAN JOURNAL OF GEOSCIENCES, vol.12, no.23, 2019 (Peer-Reviewed Journal)
- XI. **"A Validation Study for the Estimation of Uniaxial Compressive Strength Based on Index Tests" by F. Kong and J. Shang, Rock Mechanics and Rock Engineering (2018) 51: 2289-2297, Technical Note**
YILMAZ I.

ROCK MECHANICS AND ROCK ENGINEERING, vol.52, no.8, pp.2717-2718, 2019 (Peer-Reviewed Journal)

- XII. **A small-scale map analysis of the engineering-geological zone and landscape element dependencies for the land-use planning purposes in the Czech Republic**
Marschalko M., YILMAZ I., Krcmar D., Cheng X., Kubac J., Kycl P.
ENVIRONMENTAL EARTH SCIENCES, vol.78, no.1, 2019 (Peer-Reviewed Journal)
- XIII. **Investigation of the success of monitoring slow motion landslides using Persistent Scatterer Interferometry and GNSS methods**
Hastaoglu K. Ö. , Poyraz F., Turk T., Yilmaz I., Kocbulut F., Demirel M., Sanli U., Duman H., Sanli F. B.
Survey Review, vol.50, no.363, pp.475-486, 2018 (Peer-Reviewed Journal)
- XIV. **Effect of surface void percentage (SVP) on the unconfined compressive strength (UCS) of porous rocks**
YILMAZ I., YILDIRIM M., Marschalko M.
QUARTERLY JOURNAL OF ENGINEERING GEOLOGY AND HYDROGEOLOGY, vol.51, no.1, pp.108-112, 2018 (Peer-Reviewed Journal)
- XV. **Heat contamination in groundwater sourced from heat pump for heating in Bratislava (Slovakia)'s historic centre**
Marschalko M., Krcmar D., YILMAZ I., Fl'akova R., Zenisova Z.
ENVIRONMENTAL EARTH SCIENCES, vol.77, no.3, 2018 (Peer-Reviewed Journal)
- XVI. **A Novel Hybrid Approach Based on Instance Based Learning Classifier and Rotation Forest Ensemble for Spatial Prediction of Rainfall-Induced Shallow Landslides Using GIS**
Quang-Khanh Nguyen Q. N. , Dieu Tien Bui D. T. B. , Nhat-Duc Hoang N. H. , Phan Trong Trinh P. T. T. , Viet-Ha Nguyen V. N. , YILMAZ I.
SUSTAINABILITY, vol.9, no.5, 2017 (Peer-Reviewed Journal)
- XVII. **A case study assessing thermal activity at a significant geotourism locality of Ema coal tailing dumps in the mining landscape of Ostrava, Czech Republic**
Marschalko M., Zasterova P., YILMAZ I., Jelinek P., Ruzicka J., Ruzickova K., Duda R.
QUARTERLY JOURNAL OF ENGINEERING GEOLOGY AND HYDROGEOLOGY, vol.50, no.1, pp.53-59, 2017 (Peer-Reviewed Journal)
- XVIII. **A fuzzy classification routine for fine-grained soils**
TOKSÖZ D., YILMAZ I., Nefeslioglu H. A. , Marschalko M.
QUARTERLY JOURNAL OF ENGINEERING GEOLOGY AND HYDROGEOLOGY, vol.49, no.4, pp.344-349, 2016 (Peer-Reviewed Journal)
- XIX. **Geodetic monitoring of roads as a tool for determination of hazard zones in areas influenced by deep coal mining**
Lamich D., Marschalko M., YILMAZ I., Bednarova P., Niemiec D., Mikulenska V., Kubecka K.
BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, vol.75, no.3, pp.1033-1044, 2016 (Peer-Reviewed Journal)
- XX. **Morphometric and geological features of karstic depressions in gypsum (Sivas, Turkey)**
KESKİN İ., YILMAZ I.
ENVIRONMENTAL EARTH SCIENCES, vol.75, no.12, 2016 (Peer-Reviewed Journal)
- XXI. **Subsidence measurements in roads and implementation in land use plan optimisation in areas affected by deep coal mining**
Lamich D., Marschalko M., YILMAZ I., Bednarova P., Niemiec D., Kubecka K., Mikulenska V.
ENVIRONMENTAL EARTH SCIENCES, vol.75, no.1, 2016 (Peer-Reviewed Journal)
- XXII. **Utilization of engineering geology in geo-tourism: few case studies of subsidence influence on historical churches in Ostrava-Karvina District (Czech Republic)**
Lamich D., Marschalko M., YILMAZ I., Bednarova P., Niemiec D., Durd'ak J., Kubecka K., Duda R.
ENVIRONMENTAL EARTH SCIENCES, vol.75, no.2, 2016 (Peer-Reviewed Journal)
- XXIII. **Investigations into factors influencing the CBR values of some Aegean sands**
Erzin Y., Turkoz D., Tuskan Y., Yilmaz I.
SCIENTIA IRANICA, vol.23, no.2, pp.420-428, 2016 (Peer-Reviewed Journal)

- XXIV. **Rock mass parameters based doline susceptibility mapping in gypsum terrain**
YILMAZ I., KESKİN İ., Marschalko M.
QUARTERLY JOURNAL OF ENGINEERING GEOLOGY AND HYDROGEOLOGY, vol.48, no.2, pp.124-134, 2015 (Peer-Reviewed Journal)
- XXV. **Monitoring and analysis of burning in coal tailing dumps: a case study from the Czech Republic**
Jelinek P., Marschalko M., Lamich D., YILMAZ I., Zasterova P., Bednarik M., Heviankova S., Kyncl M., Drusa M., Ruckova H.
ENVIRONMENTAL EARTH SCIENCES, vol.73, no.10, pp.6601-6612, 2015 (Peer-Reviewed Journal)
- XXVI. **Utilization of ground subsidence caused by underground mining to produce a map of possible land-use areas for urban planning purposes**
Marschalko M., YILMAZ I., Kubecka K., Bouchal T., Bednarik M., Drusa M., Bendova M.
ARABIAN JOURNAL OF GEOSCIENCES, vol.8, no.1, pp.579-588, 2015 (Peer-Reviewed Journal)
- XXVII. **Relevance of building site categories implementation into the land use plan in underground mining area in the region of Petřvald (Czech Republic)**
Marschalko M., YILMAZ I., Bednarik M., Kubecka K., Lahuta H.
ENVIRONMENTAL EARTH SCIENCES, vol.72, no.9, pp.3443-3456, 2014 (Peer-Reviewed Journal)
- XXVIII. **The effect of different types of water on the swelling behaviour of expansive clays**
YILMAZ I., Marschalko M.
BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, vol.73, no.4, pp.1049-1062, 2014 (Peer-Reviewed Journal)
- XXIX. **Potential pollution risk in natural environment of golf courses: an example from Rusovce (Slovakia)**
Krcmar D., Marschalko M., YILMAZ I., Patschova A., Chalupkova K., Kovacs T.
ENVIRONMENTAL EARTH SCIENCES, vol.72, no.10, pp.4075-4084, 2014 (Peer-Reviewed Journal)
- XXX. **Utilization of an underground mining evaluation map incorporating the effect of landslides and surface flooding for land-use purpose**
Marschalko M., YILMAZ I., Kubecka K., Bouchal T., Bednarik M., Penaz T.
BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, vol.73, no.4, pp.1117-1126, 2014 (Peer-Reviewed Journal)
- XXXI. **Underground mining hazard map including building site categories in an area affected by underground mining activities**
Marschalko M., YILMAZ I., Lamich D., Bednarik M.
ENVIRONMENTAL EARTH SCIENCES, vol.72, no.7, pp.2655-2666, 2014 (Peer-Reviewed Journal)
- XXXII. **Monitoring of heat transmission from buildings into geological environment and evaluation of soil deformation consequences in foundation engineering**
YILMAZ I., Marschalko M., Lamich D., Drusa M., Machacik J., Heviankova S., Kyncl M., Lackova E., Bestova I., Krcmar D., et al.
ENVIRONMENTAL EARTH SCIENCES, vol.72, no.8, pp.2947-2955, 2014 (Peer-Reviewed Journal)
- XXXIII. **Unique documentation, analysis of origin and development of an undrained depression in a subsidence basin caused by underground coal mining (Kozinec, Czech Republic)**
Marschalko M., YILMAZ I., Lamich D., Drusa M., Kubeckova D., Penaz T., Burkotova T., Slivka V., Bednarik M., Krcmar D., et al.
ENVIRONMENTAL EARTH SCIENCES, vol.72, no.1, pp.11-20, 2014 (Peer-Reviewed Journal)
- XXXIV. **MORPHOLOGICAL VARIATIONS IN SUBSIDENCE BASIN AND IMPORTANCE FOR LAND USE PLANNING: UNDERMINED KARVINA REGION (CZECH REPUBLIC)**
Marschalko M., YILMAZ I., Lamich D., Heviankova S., Kyncl M., Dirner V., Andras P.
CARPATHIAN JOURNAL OF EARTH AND ENVIRONMENTAL SCIENCES, vol.9, no.2, pp.187-197, 2014 (Peer-Reviewed Journal)
- XXXV. **Design and construction of knowledge ontology for thematic cartography domain**
Penaz T., Dostal R., YILMAZ I., Marschalko M.
EPISODES, vol.37, no.1, pp.48-58, 2014 (Peer-Reviewed Journal)
- XXXVI. **Use of the core strangle test for determining strength anisotropy of rocks**

YILMAZ I., Yucel O.

INTERNATIONAL JOURNAL OF ROCK MECHANICS AND MINING SCIENCES, vol.66, pp.57-63, 2014 (Peer-Reviewed Journal)

- XXXVII. **A. Blais-Stevens, P. Behnia, M. Kremer, A. Page, R. Kung, G. Bonham-Carter: Comments on Landslide susceptibility mapping of the Sea to Sky transportation corridor, British Columbia, Canada: comparison of two methods, Bulletin of Engineering Geology and the Environment, 2012, 71(3):447-466. doi:10.1007/s10064-012-0421-z**
YILMAZ I., NEFESLİOĞLU H. A., Marschalko M., Bednarik M.
BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, vol.72, pp.625-627, 2013 (Peer-Reviewed Journal)
- XXXVIII. **A small-scale landslide susceptibility assessment for the territory of Western Carpathians**
Holec J., Bednarik M., Sabo M., Minar J., YILMAZ I., Marschalko M.
NATURAL HAZARDS, vol.69, no.1, pp.1081-1107, 2013 (Peer-Reviewed Journal)
- XXXIX. **Identification of the near-surface geological structure and deposits for land use planning purposes in the Doubrava Region (Czech Republic)**
Marschalko M., YILMAZ I., Bednarik M., Kubecka K.
EPISODES, vol.36, no.2, pp.94-104, 2013 (Peer-Reviewed Journal)
- XL. **An assessment on the use of bivariate, multivariate and soft computing techniques for collapse susceptibility in GIS environ**
YILMAZ I., Marschalko M., Bednarik M.
JOURNAL OF EARTH SYSTEM SCIENCE, vol.122, no.2, pp.371-388, 2013 (Peer-Reviewed Journal)
- XLI. **In-situ remediation of the contaminated soils in Ostrava city (Czech Republic) by steam curing/vapor**
Kempa T., Marschalko M., YILMAZ I., Lackova E., Kubecka K., Stalmachova B., Bouchal T., Bednarik M., Drusa M., Bendova M.
ENGINEERING GEOLOGY, vol.154, pp.42-55, 2013 (Peer-Reviewed Journal)
- XLII. **Reply to discussion by R. Tomas, M. Cano, J. Garcia-Barba on "GIS-based kinematic slope instability and slope mass rating (SMR) maps: application to a railway route in Sivas (Turkey)" by Isik Yilmaz, Marian Marschalko, Mustafa Yildirim, Emek Dereli and Martin Bednarik, Bulletin of Engineering Geology and the Environment 71, (2012), 351-357, doi:10.1007/s10064-011-0384-5"**
YILMAZ I., Marschalko M., YILDIRIM M., Dereli E., Bednarik M.
BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, vol.72, no.1, pp.147-148, 2013 (Peer-Reviewed Journal)
- XLIII. **Application of the Engineering-Geological Conditions in Land-Use Plans in the Petrvald Region (Czech Republic)**
Marschalko M., YILMAZ I., Bednarik M., Kubecka K., Bouchal T.
ACTA GEOLOGICA SINICA-ENGLISH EDITION, vol.87, no.1, pp.272-285, 2013 (Peer-Reviewed Journal)
- XLIV. **Properties of the Loess Sediments in Ostrava Region (Czech Republic) and Comparison with Some Other Loess Sediments**
Marschalko M., YILMAZ I., Fojtova L., Lamich D., Bednarik M.
SCIENTIFIC WORLD JOURNAL, 2013 (Peer-Reviewed Journal)
- XLV. **An indicative method for determination of the most hazardous changes in slopes of the subsidence basins in underground coal mining area in Ostrava (Czech Republic)**
Marschalko M., YILMAZ I., Kristkova V., Fuka M., Kubecka K., Bouchal T.
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.185, no.1, pp.509-522, 2013 (Peer-Reviewed Journal)
- XLVI. **Influence of the Soil Genesis on Physical and Mechanical Properties**
Marschalko M., YILMAZ I., Fojtova L., Kubecka K., Bouchal T., Bednarik M.
SCIENTIFIC WORLD JOURNAL, 2013 (Peer-Reviewed Journal)
- XLVII. **The Use of the Direct Optimized Probabilistic Calculation Method in Design of Bolt Reinforcement for Underground and Mining Workings**
Krejsa M., Janas P., YILMAZ I., Marschalko M., Bouchal T.

SCIENTIFIC WORLD JOURNAL, 2013 (Peer-Reviewed Journal)

- XLVIII. **Comments on "Landslide susceptibility zonation study using remote sensing and GIS technology in the Ken-Betwa River Link area, India" by R. Avtar, C. K. Singh, G. Singh, R. L. Verma, S. Mukherjee, H. Sawada in Bulletin of Engineering Geology and the Environment (doi:10.1007/s10064-011-0368-5)**
YILMAZ I., Marschalko M., Bednarik M.
BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, vol.71, no.4, pp.803-805, 2012 (Peer-Reviewed Journal)
- XLIX. **Deformation of slopes as a cause of underground mining activities: three case studies from Ostrava-Karvina coal field (Czech Republic)**
Marschalko M., YILMAZ I., Bednarik M., Kubecka K.
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.184, no.11, pp.6709-6733, 2012 (Peer-Reviewed Journal)
- L. **Influence of underground mining activities on the slope deformation genesis: Doubrava Vrchovec, Doubrava Ujala and Staric case studies from Czech Republic**
Marschalko M., YILMAZ I., Bednarik M., Kubecka K.
ENGINEERING GEOLOGY, vol.147, pp.37-51, 2012 (Peer-Reviewed Journal)
- LI. **Landslide hazard and risk assessment: a case study from the Hlohovec-Sered' landslide area in south-west Slovakia**
Bednarik M., YILMAZ I., Marschalko M.
NATURAL HAZARDS, vol.64, no.1, pp.547-575, 2012 (Peer-Reviewed Journal)
- LII. **Evaluation of engineering-geological conditions for conurbation of Ostrava (Czech Republic) within GIS environment**
Marschalko M., Bednarik M., YILMAZ I.
ENVIRONMENTAL EARTH SCIENCES, vol.67, no.4, pp.1007-1022, 2012 (Peer-Reviewed Journal)
- LIII. **Optimization of building site category determination in an undermined area prior to and after exhausting coal seams**
Marschalko M., YILMAZ I., Kristkova V., Fuka M., Kubecka K., Bouchal T., Bednarik M.
INTERNATIONAL JOURNAL OF ROCK MECHANICS AND MINING SCIENCES, vol.54, pp.9-18, 2012 (Peer-Reviewed Journal)
- LIV. **Factors influencing the crushing strength of some Aegean sands**
ERZİN Y., Patel A., Singh D. N. , Tığa M. G. , Yilmaz I., Srinivas K.
BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, vol.71, no.3, pp.529-536, 2012 (Peer-Reviewed Journal)
- LV. **Neural computing models for prediction of permeability coefficient of coarse-grained soils**
YILMAZ I., Marschalko M., Bednarik M., Kaynar O., Fojtova L.
NEURAL COMPUTING & APPLICATIONS, vol.21, no.5, pp.957-968, 2012 (Peer-Reviewed Journal)
- LVI. **GIS-based kinematic slope instability and slope mass rating (SMR) maps: application to a railway route in Sivas (Turkey)**
YILMAZ I., Marschalko M., YILDIRIM M., Dereli E., Bednarik M.
BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, vol.71, no.2, pp.351-357, 2012 (Peer-Reviewed Journal)
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