

Prof. IŐIK YILMAZ

Personal Information

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Education Information

Post Graduate, Sivas Cumhuriyet Üniversitesi, Fen Bilimleri Enstitüsü, Turkey 2014 - 2018

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

Under Graduate, Hacettepe Üniversitesi, 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

Post Graduate, 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, Post Graduate, 2019 - 2020

Mühendislik Jeolojisi Örnek Olay Çalışmaları, Post Graduate, 2018 - 2019

Yeraltı suları ve Heyelanlar Açısından Jeoteknik Sorunlar, Post Graduate, 2018 - 2019

Kaya Mekaniği, Under Graduate, 2019 - 2020

Tez Çalışması, Post Graduate, 2018 - 2019

Malzeme, Under Graduate, 2018 - 2019

Mukavemet, Under Graduate, 2018 - 2019

Jeoteknik Açısından Depremler, Post Graduate, 2018 - 2019

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

Advising Theses

YILMAZ I., Şişen killerin iyileştirilmesinde jips kolonu performansının araştırılmasına ilişkin laboratuvar model çalışması, Post Graduate, 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, Post Graduate, Ş.CEYLAN(Student), 2015
YILMAZ I., İnce taneli zeminlerin bulanık mantık ile sınıflandırılması, Post Graduate, D.TOKSÖZ(Student), 2013
YILMAZ I., Karot boğma deneyi (cst) ' nin kayalarda dayanım anizotropisinin belirlenmesinde kullanılabilirliği ve performansının değerlendirilmesi, Post Graduate, 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, Post Graduate, A.ALTUN(Student), 2011
YILMAZ I., Çetinkaya-Divriği (Sivas) arasındaki tren yolu güzergahı boyunca şev duraylılıklarının araştırılması ve kinematik kontrollü olası duraysızlık modelinin üretilmesi, Post Graduate, E.DERELİ(Student), 2010
YILMAZ I., Aluçra (Giresun) yöresindeki kaya şevlerinin duraylılığının kinematik analizi ve yapısal yaklaşım, Post Graduate, G.ÖZDEMİR(Student), 2009
YILMAZ I., Şişebilen killi zeminlerin doğal jips katkısı kullanılarak iyileştirilmesi, Post Graduate, B.CİVELEKOĞLU(Student), 2009
YILMAZ I., Şebinkarahisar (Giresun) yöresindeki kaya şevlerinin duraylılığının kinematik analizi ve yapısal yaklaşımı, Post Graduate, İ.KESKİN(Student), 2006
YILMAZ I., Yıldız ırmağı çökellerinin beton agregası olarak kullanılabilirliklerinin incelenmesi, Post Graduate,

M.YILDIRIM(Student), 2005

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

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

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Shallow mixing and column performances of lime, fly ash and gypsum on the stabilization of swelling soils**
Hozatlioglu D. T. , YILMAZ I.
ENGINEERING GEOLOGY, vol.280, 2021 (Journal Indexed in SCI)
- II. **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 (Journal Indexed in SCI)
- III. **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 (Journal Indexed in SCI)
- IV. **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 (Journal Indexed in SCI)
- V. **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 (Journal Indexed in SCI)
- VI. **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 (Journal Indexed in SCI)
- VII. **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 (Journal Indexed in SCI)
- VIII. **A fuzzy prediction approach for swell potential of soils**
TOKSÖZ D., YILMAZ I.
ARABIAN JOURNAL OF GEOSCIENCES, vol.12, no.23, 2019 (Journal Indexed in SCI)
- IX. **"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 (Journal Indexed in SCI)
- X. **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 (Journal Indexed in SCI)
- XI. **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 (Journal Indexed in SCI)

- XII. **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 (Journal Indexed in SCI)
- XIII. **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 (Journal Indexed in SCI)
- XIV. **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 (Journal Indexed in SCI)
- XV. **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 (Journal Indexed in SCI)
- XVI. **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 (Journal Indexed in SCI)
- XVII. **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 (Journal Indexed in SCI)
- XVIII. **Morphometric and geological features of karstic depressions in gypsum (Sivas, Turkey)**
KESKİN İ., YILMAZ I.
ENVIRONMENTAL EARTH SCIENCES, vol.75, no.12, 2016 (Journal Indexed in SCI)
- XIX. **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 (Journal Indexed in SCI)
- XX. **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 (Journal Indexed in SCI)
- 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 (Journal Indexed in SCI)
- XXII. **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 (Journal Indexed in SCI)
- XXIII. **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 (Journal Indexed in SCI)

- XXIV. **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 (Journal Indexed in SCI)
- XXV. **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 (Journal Indexed in SCI)
- XXVI. **Relevance of building site categories implementation into the land use plan in underground mining area in the region of Petrvald (Czech Republic)**
Marschalko M., YILMAZ I., Bednarik M., Kubecka K., Lahuta H.
ENVIRONMENTAL EARTH SCIENCES, vol.72, no.9, pp.3443-3456, 2014 (Journal Indexed in SCI)
- XXVII. **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 (Journal Indexed in SCI)
- 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 (Journal Indexed in SCI)
- XXIX. **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 (Journal Indexed in SCI)
- XXX. **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 (Journal Indexed in SCI)
- XXXI. **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 (Journal Indexed in SCI)
- XXXII. **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 (Journal Indexed in SCI)
- XXXIII. **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 (Journal Indexed in SCI)
- XXXIV. **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 (Journal Indexed in SCI)
- XXXV. **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 (Journal Indexed in SCI)

- XXXVI. **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 (Journal Indexed in SCI)
- XXXVII. **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 (Journal Indexed in SCI)
- XXXVIII. **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 (Journal Indexed in SCI)
- XXXIX. **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 (Journal Indexed in SCI)
- XL. **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 (Journal Indexed in SCI)
- XLI. **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 (Journal Indexed in SCI)
- XLII. **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 (Journal Indexed in SCI)
- XLIII. **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 (Journal Indexed in SCI)
- 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 (Journal Indexed in SCI)
- 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 (Journal Indexed in SCI)
- XLVI. **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 (Journal Indexed in SCI)
- XLVII. **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)**

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BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, vol.71, no.4, pp.803-805, 2012 (Journal Indexed in SCI)

- XLVIII. **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 (Journal Indexed in SCI)
- XLIX. **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 (Journal Indexed in SCI)
- L. **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 (Journal Indexed in SCI)
- LI. **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 (Journal Indexed in SCI)
- LII. **Factors influencing the crushing strength of some Aegean sands**
ERZİN Y., Patel A., Singh D. N. , Tiga M. G. , Yilmaz I., Srinivas K.
BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, vol.71, no.3, pp.529-536, 2012 (Journal Indexed in SCI)
- LIII. **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 (Journal Indexed in SCI)
- LIV. **Subsidence map of underground mining influence for urban planning: an example from the Czech Republic**
Marschalko M., YILMAZ I., Bednarik M., Kubecka K., Bouchal T., Zavada J.
QUARTERLY JOURNAL OF ENGINEERING GEOLOGY AND HYDROGEOLOGY, vol.45, no.2, pp.231-241, 2012 (Journal Indexed in SCI)
- LV. **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 (Journal Indexed in SCI)
- LVI. **A leaning historical monument formed by underground mining effect: An example from Czech Republic**
YILMAZ I., Marschalko M.
ENGINEERING GEOLOGY, vol.133, pp.43-48, 2012 (Journal Indexed in SCI)
- LVII. **On the value of dolines in gypsum terrains as a "Geological Heritage": an example from Sivas basin, Turkey**
Yilmaz I.
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