

Prof. IŞIK YILMAZ

Personal Information

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International Researcher IDs

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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 şışme 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

Yeraltısuları ve Heyelanlar Açısından Jeoteknik Sorunlar, Postgraduate, 2018 - 2019

Kaya Mekanığı, Undergraduate, 2019 - 2020

Tez Çalışması, Postgraduate, 2018 - 2019
Malzeme, Undergraduate, 2018 - 2019
Mukavemet, Undergraduate, 2018 - 2019
Jeoteknik Açıdan 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 Mekanığı, Undergraduate, 2017 - 2018
Çevre Jeotekniği, Undergraduate, 2015 - 2016
Kaya Mekanığı, 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 Mekanığı, Undergraduate, 2015 - 2016
Kaya Mekanığı, Undergraduate, 2014 - 2015
Mühendislik Jeolojisi ve Jeoteknik Uygulamalar, Undergraduate, 2012 - 2013
Mühendislik Jeolojisi ve Jeoteknik Uygulamalar, Undergraduate, 2012 - 2013
Zemin Mekanığı, 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 gögü ve kolon performansının şisen 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 süreksızlık özelliklerinin etkilerinin araştırılması: Kuzeydoğu Sivas örneği, Doctorate, İ.KESKİN(Student), 2011
YILMAZ I., Farklı türlerde suların killerin şışme davranışları 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 şevelerinin 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 şevelerinin duraylılığının kinematik analizi ve yapısal yaklaşımı, Postgraduate, İ.KESKİN(Student), 2006

YILMAZ I., Yıldız Irmağı çökellerinin beton agregası olarak kullanılabılırliklerinin 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- V. **A case study for identification of organic-silt bottom sediments in an artificial lake formed in gravel alluvium in the geotourism locality of Slnečne 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 (SCI-Expanded)
- 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., Rusnáková D., Popielarczyk D., Yang S.
BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, vol.79, no.3, pp.1225-1238, 2020 (SCI-Expanded)
- VII. **Soil contamination by tar in the alluvial sediments: case study of the brownfield remediation project in the Czech Republic**
Marschalko M., Vicherek P., Vicherková M., YILMAZ I., Kubac J., Popielarczyk D., Kempa T., Yang S.
ENVIRONMENTAL EARTH SCIENCES, vol.79, no.2, 2020 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- X. **A fuzzy prediction approach for swell potential of soils**
TOKSÖZ D., YILMAZ I.

- ARABIAN JOURNAL OF GEOSCIENCES, vol.12, no.23, 2019 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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., Mikulenka V., Kubecka K.
BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, vol.75, no.3, pp.1033-1044, 2016 (SCI-Expanded)
- XX. Morphometric and geological features of karstic depressions in gypsum (Sivas, Turkey)
KESKİN İ., YILMAZ I.
ENVIRONMENTAL EARTH SCIENCES, vol.75, no.12, 2016 (SCI-Expanded)
- 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., Mikulenka V.
ENVIRONMENTAL EARTH SCIENCES, vol.75, no.1, 2016 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- XXVII. **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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)

- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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., Kubeka K.
EPISODES, vol.36, no.2, pp.94-104, 2013 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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., Kubeka K., Stalmachova B., Bouchal T., Bednarik M., Drusa M., Bendova M.
ENGINEERING GEOLOGY, vol.154, pp.42-55, 2013 (SCI-Expanded)
- 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 (SCI-Expanded)
- XLIII. **Application of the Engineering-Geological Conditions in Land-Use Plans in the Petrvald Region (Czech Republic)**
 Marschalko M., YILMAZ I., Bednarik M., Kubeka K., Bouchal T.
ACTA GEOLOGICA SINICA-ENGLISH EDITION, vol.87, no.1, pp.272-285, 2013 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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., Kubeka K., Bouchal T.
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.185, no.1, pp.509-522, 2013 (SCI-Expanded)
- XLVI. **Influence of the Soil Genesis on Physical and Mechanical Properties**
 Marschalko M., YILMAZ I., Fojtova L., Kubeka K., Bouchal T., Bednarik M.
SCIENTIFIC WORLD JOURNAL, 2013 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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., Kubeka K.
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.184, no.11, pp.6709-6733, 2012 (SCI-Expanded)
- L. Influence of underground mining activities on the slope deformation genesis: Doubrava Vrchovce, Doubrava Ujala and Staric case studies from Czech Republic**
Marschalko M., YILMAZ I., Bednarik M., Kubeka K.
ENGINEERING GEOLOGY, vol.147, pp.37-51, 2012 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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., Kubeka K., Bouchal T., Bednarik M.
INTERNATIONAL JOURNAL OF ROCK MECHANICS AND MINING SCIENCES, vol.54, pp.9-18, 2012 (SCI-Expanded)
- LIV. 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- LVII. Subsidence map of underground mining influence for urban planning: an example from the Czech Republic**
Marschalko M., YILMAZ I., Bednarik M., Kubeka K., Bouchal T., Zavada J.
QUARTERLY JOURNAL OF ENGINEERING GEOLOGY AND HYDROGEOLOGY, vol.45, no.2, pp.231-241, 2012 (SCI-Expanded)
- LVIII. 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 (SCI-Expanded)
- LIX. On the value of dolines in gypsum terrains as a "Geological Heritage": an example from Sivas basin, Turkey**
Yilmaz I.
ENVIRONMENTAL EARTH SCIENCES, vol.65, no.3, pp.805-812, 2012 (SCI-Expanded)
- LX. Evaluation of subsidence due to underground coal mining: an example from the Czech Republic**

- Marschalko M., Bednarik M., YILMAZ I., Bouchal T., Kubecka K.
 BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, vol.71, no.1, pp.105-111, 2012 (SCI-Expanded)
- LXI. **Determination of actual limit angles to the surface and their comparison with the empirical values in the Upper Silesian Basin (Czech Republic)**
 Marschalko M., YILMAZ I., Kristkova V., Fuka M., Bednarik M., Kubecka K.
 ENGINEERING GEOLOGY, vol.124, pp.130-138, 2012 (SCI-Expanded)
- LXII. **Variations in the building site categories in the underground mining region of Doubrava (Czech Republic) for land use planning**
 Marschalko M., YILMAZ I., Bednarik M., Kubecka K.
 ENGINEERING GEOLOGY, vol.122, pp.169-178, 2011 (SCI-Expanded)
- LXIII. **Gypsum collapse hazards and importance of hazard mapping**
 YILMAZ I., Marschalko M., Bednarik M.
 CARBONATES AND EVAPORITES, vol.26, no.2, pp.193-209, 2011 (SCI-Expanded)
- LXIV. **Multiple regression, ANN (RBF, MLP) and ANFIS models for prediction of swell potential of clayey soils**
 YILMAZ I., KAYNAR O.
 EXPERT SYSTEMS WITH APPLICATIONS, vol.38, no.5, pp.5958-5966, 2011 (SCI-Expanded)
- LXV. **Forecasting of natural gas consumption with neural network and neuro fuzzy system**
 KAYNAR O., YILMAZ I., DEMİRKOPARAN F.
 ENERGY EDUCATION SCIENCE AND TECHNOLOGY PART A-ENERGY SCIENCE AND RESEARCH, vol.26, no.2, pp.221-238, 2011 (SCI-Expanded)
- LXVI. **On the Use of Conventional and Soft Computing Models for Prediction of Gross Calorific Value (GCV) of Coal**
 YALÇIN ERİK N., YILMAZ I.
 INTERNATIONAL JOURNAL OF COAL PREPARATION AND UTILIZATION, vol.31, no.1, pp.32-59, 2011 (SCI-Expanded)
- LXVII. **A short review on the surficial impacts of underground mining**
 Altun A. O., YILMAZ I., YILDIRIM M.
 SCIENTIFIC RESEARCH AND ESSAYS, vol.5, no.21, pp.3206-3212, 2010 (SCI-Expanded)
- LXVIII. **Different types of learning algorithms of artificial neural network (ANN) models for prediction of gross calorific value (GCV) of coals**
 YILMAZ I., YALÇIN ERİK N., KAYNAR O.
 SCIENTIFIC RESEARCH AND ESSAYS, vol.5, no.16, pp.2242-2249, 2010 (SCI-Expanded)
- LXIX. **Comparison of landslide susceptibility mapping methodologies for Koyulhisar, Turkey: conditional probability, logistic regression, artificial neural networks, and support vector machine**
 Yilmaz I.
 ENVIRONMENTAL EARTH SCIENCES, vol.61, no.4, pp.821-836, 2010 (SCI-Expanded)
- LXX. **Use of the core strangle test for tensile strength estimation and rock mass classification**
 Yilmaz I.
 INTERNATIONAL JOURNAL OF ROCK MECHANICS AND MINING SCIENCES, vol.47, no.5, pp.845-850, 2010 (SCI-Expanded)
- LXXI. **Discussion on "Geotechnical mapping for alluvial fan deposits controlled by active faults: a case study in the Erzurum, NE Turkey" by Yarbasi N, Kalkan E (2009) Environ Geol 58:710-714**
 Yilmaz I.
 ENVIRONMENTAL EARTH SCIENCES, vol.60, no.6, pp.1347-1348, 2010 (SCI-Expanded)
- LXXII. **The effect of the sampling strategies on the landslide susceptibility mapping by conditional probability and artificial neural networks**
 Yilmaz I.
 ENVIRONMENTAL EARTH SCIENCES, vol.60, no.3, pp.505-519, 2010 (SCI-Expanded)
- LXXIII. **Influence of water content on the strength and deformability of gypsum**
 Yilmaz I.

- INTERNATIONAL JOURNAL OF ROCK MECHANICS AND MINING SCIENCES, vol.47, no.2, pp.342-347, 2010 (SCI-Expanded)
- LXXIV. **A new testing method for indirect determination of the unconfined compressive strength of rocks**
Yilmaz I.
INTERNATIONAL JOURNAL OF ROCK MECHANICS AND MINING SCIENCES, vol.46, no.8, pp.1349-1357, 2009 (SCI-Expanded)
- LXXV. **Swell potential and shear strength estimation of clays**
Yilmaz I.
APPLIED CLAY SCIENCE, vol.46, no.4, pp.376-384, 2009 (SCI-Expanded)
- LXXVI. **GIS based statistical and physical approaches to landslide susceptibility mapping (Sebinkarahisar, Turkey)**
Yilmaz I., Keskin I.
BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, vol.68, no.4, pp.459-471, 2009 (SCI-Expanded)
- LXXVII. **A case study from Koyulhisar (Sivas-Turkey) for landslide susceptibility mapping by artificial neural networks**
Yilmaz I.
BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, vol.68, no.3, pp.297-306, 2009 (SCI-Expanded)
- LXXVIII. **Prediction of the strength and elasticity modulus of gypsum using multiple regression, ANN, and ANFIS models**
YILMAZ I., Yuksek G.
INTERNATIONAL JOURNAL OF ROCK MECHANICS AND MINING SCIENCES, vol.46, no.4, pp.803-810, 2009 (SCI-Expanded)
- LXXIX. **Landslide susceptibility mapping using frequency ratio, logistic regression, artificial neural networks and their comparison: A case study from Kat landslides (Tokat-Turkey)**
Yilmaz I.
COMPUTERS & GEOSCIENCES, vol.35, no.6, pp.1125-1138, 2009 (SCI-Expanded)
- LXXX. **Gypsum: An additive for stabilization of swelling clay soils**
YILMAZ I., Civelekoglu B.
APPLIED CLAY SCIENCE, vol.44, pp.166-172, 2009 (SCI-Expanded)
- LXXXI. **A method for mapping the spatial distribution of RockFall computer program analyses results using ArcGIS software**
YILMAZ I., YILDIRIM M., KESKİN İ.
BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, vol.67, no.4, pp.547-554, 2008 (SCI-Expanded)
- LXXXII. **Discussion on "Development and morphometry of sinkholes in coastal plains of Apulia, southern Italy. Preliminary sinkhole susceptibility assessment" by E. Bruno, D. Calcaterra, M. Parise [Engineering Geology 99 (2008) 198-209]**
Yilmaz I.
ENGINEERING GEOLOGY, vol.101, pp.283-284, 2008 (SCI-Expanded)
- LXXXIII. **An Example of Artificial Neural Network (ANN) Application for Indirect Estimation of Rock Parameters**
Yilmaz I., Yuksek A. G.
ROCK MECHANICS AND ROCK ENGINEERING, vol.41, pp.781-795, 2008 (SCI-Expanded)
- LXXXIV. **A case study for mapping of spatial distribution of free surface heave in alluvial soils (Yalova, Turkey) by using GIS software**
Yilmaz I.
COMPUTERS & GEOSCIENCES, vol.34, no.8, pp.993-1004, 2008 (SCI-Expanded)
- LXXXV. **Discussion on the paper entitled "Mechanical and physical properties of the Kandira stone, Kandira, Turkey" by Arman et al., Bull Eng Geol Environ (DOI 10.1007/s10064-006-0082-x)**
Yilmaz I.
BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, vol.67, no.2, pp.289-290, 2008 (SCI-Expanded)
- LXXXVI. **A case study of crushing resistance of Anatolian sands at lower and higher density**

- ERZİN Y., YILMAZ I.
BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, vol.67, no.1, pp.71-77, 2008 (SCI-Expanded)
- LXXXVII. **The effect of swelling clays on a water transport canal between Koklue HPP and Erbaa HPP (Turkey)**
Yilmaz I.
BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, vol.66, no.4, pp.467-472, 2007 (SCI-Expanded)
- LXXXVIII. **Differences in the geotechnical properties of two types of gypsum: alabastrine and porphyritic**
Yilmaz I.
BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, vol.66, no.2, pp.187-195, 2007 (SCI-Expanded)
- LXXXIX. **GIS based susceptibility mapping of karst depression in gypsum: A case study from Sivas basin (Turkey)**
Yilmaz I.
ENGINEERING GEOLOGY, vol.90, pp.89-103, 2007 (SCI-Expanded)
- XC. **Structural and geomorphological aspects of the Kat landslides (Tokat-Turkey) and susceptibility mapping by means of GIS**
Yilmaz I., Yildirim M.
ENVIRONMENTAL GEOLOGY, vol.50, no.4, pp.461-472, 2006 (SCI-Expanded)
- XCI. **Indirect estimation of the swelling percent and a new classification of soils depending on liquid limit and cation exchange capacity**
Yilmaz I.
ENGINEERING GEOLOGY, vol.85, pp.295-301, 2006 (SCI-Expanded)
- XCII. **Soil liquefaction susceptibility and hazard mapping in the residential area of Kutahya (Turkey)**
Yilmaz I., Bagci A.
ENVIRONMENTAL GEOLOGY, vol.49, no.5, pp.708-719, 2006 (SCI-Expanded)
- XCIII. **Failure and flow development of a collapse induced complex landslide: the 2005 Kuzulu (Koyulhisar, Turkey) landslide hazard**
Yilmaz I., Ekemen T., Yildirim M., Keskin I., Ozdemir G.
ENVIRONMENTAL GEOLOGY, vol.49, no.3, pp.467-476, 2006 (SCI-Expanded)
- XCIV. **Slaking durability and its effect on the doline formation in the gypsum**
Yilmaz I., Karacan E.
ENVIRONMENTAL GEOLOGY, vol.47, no.7, pp.1010-1016, 2005 (SCI-Expanded)
- XCV. **Liquefaction potential and susceptibility mapping in the city of Yalova, Turkey**
Yilmaz I., Yavuzer D.
ENVIRONMENTAL GEOLOGY, vol.47, no.2, pp.175-184, 2005 (SCI-Expanded)
- XCVI. **Relationships between liquid limit, cation exchange capacity, and swelling potentials of clayey soils**
Yilmaz I.
EURASIAN SOIL SCIENCE, vol.37, no.5, pp.506-512, 2004 (SCI-Expanded)
- XCVII. **Correlation of Schmidt hardness with unconfined compressive strength and Young's modulus in gypsum from Sivas (Turkey)**
Yilmaz I., Sendir H.
ENGINEERING GEOLOGY, vol.66, pp.211-219, 2002 (SCI-Expanded)
- XCVIII. **Structural, geomorphological and geomechanical aspects of the Koyulhisar landslides in the North Anatolian Fault Zone (Sivas, Turkey)**
Sendir H., Yilmaz I.
ENVIRONMENTAL GEOLOGY, vol.42, no.1, pp.52-60, 2002 (SCI-Expanded)
- XCIX. **Geotechnical properties of clayey alluvial soils in the Erbaa basin, Turkey**
Yilmaz I., Karacan E.
INTERNATIONAL GEOLOGY REVIEW, vol.44, no.2, pp.179-190, 2002 (SCI-Expanded)
- C. **Soil liquefaction analyses from standard penetration tests: An example from the North Anatolian fault zone, Turkey**
Yilmaz I.

- INTERNATIONAL GEOLOGY REVIEW, vol.43, no.6, pp.565-574, 2001 (SCI-Expanded)
- CI. **Collapse dolines in miocene gypsum: An example from SW Sivas (Turkey)**
Karacan E., Yilmaz I.
ENVIRONMENTAL GEOLOGY, vol.29, pp.263-266, 1997 (SCI-Expanded)
- ### Articles Published in Other Journals
- I. **Preface: World Multidisciplinary Civil Engineering-Architecture-Urban Planning Symposium-WMCAUS 2022**
Marschalko M., YILMAZ I., Drusa M.
AIP Conference Proceedings, vol.2928, no.1, 2023 (Scopus)
 - II. **A Fuzzy Classification Process for Swelling Soils**
Hozatlioglu D., YILMAZ I.
TRANSPORTATION INFRASTRUCTURE GEOTECHNOLOGY, vol.10, no.3, pp.474-487, 2023 (ESCI)
 - III. **Şişen zeminlerdeki kireç kolonu uygulamalarında iyon göçü mekanizması**
TOKSÖZ D., YILMAZ I.
Jeoloji Mühendisliği Dergisi, vol.45, no.2, pp.245, 2021 (Scopus)
 - IV. **Preparation of GIS-based medium-scale settlement suitability plans by using analytical hierarchy process (AHP): Sivas city province case study**
Ceylan Ş., YILMAZ I.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERİ DERGİSİ, vol.26, no.3, pp.545-558, 2020 (ESCI)
 - V. **Influence of Swelling Clay Content on Ion Migration and Column Performance in Lime Column Treated Soils**
TOKSÖZ D., YILMAZ I.
Geotechnical and Geological Engineering, vol.38, no.1, pp.813-832, 2020 (ESCI)
 - VI. **An application of a fuzzy classification routine suggested for fine grained soils**
TOKSÖZ D., YILMAZ I.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERİ DERGİSİ, vol.26, no.3, pp.535-544, 2020 (ESCI)
 - VII. **ŞİŞEN KİLLERİN İYİLEŞTİRİLMESİNDEN JİPS KOLONU PERFORMANSININ ARAŞTIRILMASINA İLİŞKİN LABORATUVAR MODEL ÇALIŞMASI**
YILMAZ I.
Jeoloji Mühendisliği Dergisi, vol.43, no.1, pp.23-38, 2019 (Scopus)
 - VIII. **Performance of Core Strangle Test (CST) on Porous Rocks**
YILMAZ I.
GEOTECHNICAL AND GEOLOGICAL ENGINEERING, vol.36, no.6, pp.3551-3557, 2018 (ESCI)
 - IX. **GPS ve Ps İnsar Yöntemleri Kullanılarak Koyulhisar Sivas Heyelanlarının İzlenmesi İlk Sonuçlar**
HASTAOĞLU K. Ö., POYRAZ F., TÜRK T., KOÇBULUT F., ŞANLI D. U., YILMAZ I., BALIK ŞANLI F., KUÇAK R. A., DEMİREL M., GÜRSOY Ö., et al.
Gümüşhane Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.4, no.2, pp.161-175, 2014 (Peer-Reviewed Journal)
 - X. **Research of significant anthropogenic changes in the area Ostrava city Czech Republic**
MARIAN M., YILMAZ I., KAREL K., MARTIN B., BARBARA S., TOMAS B., ORLANDO A.
Scientific Research and Essays, vol.7, pp.1891-1906, 2012 (Peer-Reviewed Journal)
 - XI. **On the reliability of SPT N value as an indication of consistency of clayey soils**
YILMAZ I., ERZİN Y.
Electronic Journal of Geotechnical Engineering, vol.9, pp.6-12, 2004 (ESCI)
 - XII. **Selection of core material for an Earth Dam in the Lower Çekerek Basin Tokat Turkey**
YILMAZ I., ERZİN Y.
Electronic Journal of Geotechnical Engineering, vol.9, pp.1-5, 2004 (ESCI)

- XIII. **Unconsolidated clays from inner shore of the Gemlik Gulf in the Marmara Sea Bursa Turkey**
 YILMAZ I., MEHMET U.
 Bulletin of Engineering Geology & the Environment, vol.63, pp.133-139, 2004 (Peer-Reviewed Journal)
- XIV. **A landslide occured in clayey soils an example from Kızıldag region of Sivas Erzincan highway Sivas Turkey**
 YILMAZ I., KARACAN E.
 AAPG Divison of Environmental Geosciences, vol.9, pp.35-42, 2002 (Peer-Reviewed Journal)
- XV. **Gypsum anhydrite some engineering problems**
 YILMAZ I.
 Bulletin of Engineering Geology & the Environment, vol.60, pp.227-230, 2001 (Peer-Reviewed Journal)
- XVI. **Geotechnical evaluation of the Miocene gypsum from Sivas Turkey**
 KARACAN E., YILMAZ I.
 Geotechnical and Geological Engineering, vol.18, pp.79-90, 2000 (Peer-Reviewed Journal)
- XVII. **Evaluation of shear strength of clayey soils by using their liquidity index**
 YILMAZ I.
 Bulletin of Engineering Geology & the Environment, vol.59, pp.227-229, 2000 (Peer-Reviewed Journal)
- XVIII. **Geotechnical properties of alluvial soils an example from south of Sivas Turkey**
 YILMAZ I., KARACAN E.
 IAEG Bulletin of the International Association of Engineering Geology, vol.55, pp.159-165, 1997 (Peer-Reviewed Journal)
- XIX. **Geotechnical characteristics and mineralogy of compacted clays used as impervious core in Çamlıgöze dam Suşehri Sivas**
 YILMAZ I., KARACAN E.
 International Geology Review, vol.38, no.10, pp.972-978, 1996 (Scopus)
- XX. **Geotechnical characteristics of clays in diversion tunnel of 4 Eylül dam Sivas TURKEY**
 KARACAN E., YILMAZ I.
 IAEG Bulletin of the International Association of Engineering Geology, vol.53, pp.49-53, 1996 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Landslide Inventory, Sampling and Effect of Sampling Strategies on Landslide Susceptibility/Hazard Modelling at a Glance**
 YILMAZ I., ERCANOĞLU M.
 in: Natural Hazards GIS-Based Spatial Modeling Using Data Mining Techniques, Hamid Reza Pourghasemi, Mauro Rossi, Editor, Springer International Publishing, pp.205-224, 2019
- II. **Zemin Mekaniği Laboratuvar Deneyleri ve Problemler (IV. Baskı)**
 YILMAZ I., YILDIRIM M., KESKİN İ.
 Seçkin Yayınevi, 2017
- III. **Zemin Mekaniği Laboratuvar Deneyleri ve Çözümlü Problemler**
 YILMAZ I., YILDIRIM M., KESKİN İ.
 Seçkin Yayınevi, Ankara, 2016
- IV. **Zemin Mekanigi Laboratuvar Deneyleri ve Problemler Genişletilmiş 2 Baskı**
 YILMAZ I., YILDIRIM M., KESKİN İ.
 Seçkin Yayınevi, Ankara, 2014
- V. **Landslides and Landslide Susceptibility Assessment**
 Marschalko M., Bednarik M., YILMAZ I.
 Kosice Technical University, Slovakia, Kosice, 2014
- VI. **Mühendislik Jeolojisi: İlkeler ve Temel Kavramlar**
 Yilmaz I.

- Bilim Teknik Yayınları, Ankara, 2007
- VII. **Mühendislik Jeolojisinde Alan Araştırması**
Yılmaz I.
Bilim Teknik Yayınları, Ankara, 2000

Refereed Congress / Symposium Publications in Proceedings

- I. **Analyzes of brown coal in connection with higher sulfur contents in Sokolovská uhelná**
Milos D., Augustin M., Niemiec D., Yang S., Kubac J., Matuszkova B., Sombathy E., Montero O., YILMAZ I., MARSCHALKO M.
5th World Multidisciplinary Earth Sciences Symposium - WMESS 2019, 9 - 13 September 2019, vol.362, pp.12166
- II. **Ore Mining of Kutnohorsko and its Economic Importance for Construction and Development**
Milos D., Niemiec D., Sombathy E., MARSCHALKO M., YILMAZ I., Matuszkova B., Montero O., Yang S.
4th World Multidisciplinary Civil Engineering, Architecture, Urban Planning Symposium (WMCAUS2019), 17 - 21 June 2019, vol.603, pp.52085
- III. **Study on the Performance of Lime Column Technique for Treatment of a Na-Bentonite Clay**
TOKSÖZ D., YILMAZ I.
3rd World Multidisciplinary Earth Sciences Symposium, WMESS 2018, Prague, Czech Republic, 3 - 07 September 2018, vol.221
- IV. **Quantification of the Quaternary Geological Structure Using Geological Cross-Sections in a Selected Part of the Moravian-Silesian Region for Geotechnical Purposes**
Kubac J., Marschalko M., Niemiec D., YILMAZ I., Cheng X., Duraj M.
3rd World Multidisciplinary Civil Engineering, Architecture, Urban Planning Symposium (WMCAUS), Prague, Czech Republic, 18 - 22 June 2018, vol.471
- V. **A study on the performance of lime column technique for treatment of a Na-bentonite clay**
TOKSÖZ D., YILMAZ I.
World Multidisciplinary Earth Sciences Symposium WMESS 2018, 3 - 07 September 2018, vol.221
- VI. **Şişen Zeminlerin Kireç Kolonu Tekniğiyle İyileştirilmesi Sırasında İyon Göçü ve Kolon Performansının Şişen Kil Oranına Bağlı Olarak Değerlendirilmesi / Evaluation of the Ion Migration and Column Performance Depending on the Swelling Clay Content During Expansive Soil Stabilization with Lime Column Technique**
TOKSÖZ D., YILMAZ I.
71. Türkiye Jeoloji Kurultayı, 23 - 27 April 2018
- VII. **Mineralogical Changes in a Montmorillonite Type of Clay Treated with Lime Column**
TOKSÖZ D., YILMAZ I., YILDIRIM M., HOZATLIOĞLU D.
WMESS 2017, 11 - 15 September 2017
- VIII. **MINERALOGICAL CHANGES IN A MONTMORILLONITE CLAY TREATED WITH LIME COLUMN**
TOKSÖZ D., YILMAZ I., YILDIRIM M., HOZATLIOĞLU D.
World Multidisciplinary Earth Sciences – WMESS 2017, 11 - 15 September 2017
- IX. **FALIGIS COMPUTER PROGRAM AND MAPPING OF KINEMATICALLY CONTROLLED LANDSLIDES**
YILMAZ I.
World Multidisciplinary Earth Sciences – WMESS 2017, 11 - 15 September 2017
- X. **SOME KARST STRUCTURES IN GYPSUM TERRAINS AND THEIR EVALUATION TO BE A GEOLOGICAL HERITAGE**
YILMAZ I.
World Multidisciplinary Earth Sciences – WMESS 2017, 11 - 15 September 2017
- XI. **ON THE MODELLING AND MAPPING OF THE COLLAPSE SUSCEPTIBILITY IN GYPSUM TERRAIN**
YILMAZ I.
World Multidisciplinary Earth Sciences – WMESS 2017, 11 - 15 September 2017
- XII. **HOW DOES THE TYPE OF WATER AFFECT SWELLING BEHAVIOR OF CLAYS?**

- YILMAZ I.
World Multidisciplinary Earth Sciences – WMESS 2017, 11 - 15 September 2017
- XIII. **HOW IS THE STRENGTH OF ROCK AFFECTED BY THE CRYSTAL SIZE?**
YILMAZ I.
World Multidisciplinary Civil Engineering-Architecture-Urban Planning Symposium - WMCAUS 2017, 12 - 16 June 2017
- XIV. **THE EFFECT OF HEAVE SOURCED FROM THE SWELLING CLAYS ON THE WATER CANALS**
YILMAZ I.
World Multidisciplinary Civil Engineering-Architecture-Urban Planning Symposium - WMCAUS 2017, 12 - 16 June 2017
- XV. **The determination of lime migration in lime stabilization of clay soils**
TOKSÖZ D., YILMAZ I.
World Multidisciplinary Earth Sciences Symposium – WMESS 2016, 5 - 09 September 2016
- XVI. **Effect of surface void percentage SVP on the unconfined compressive strength UCS of porous rocks and performance of Core Strangle Test CST**
YILMAZ I.
World Multidisciplinary Earth Sciences – WMESS 2016, 5 - 09 September 2016
- XVII. **A worth which lose its meaning Water**
TOKSÖZ D., YILMAZ I.
World Multidisciplinary Civil Engineering-Architecture-Urban Planning Symposium - WMCAUS 2016, 13 - 17 June 2016
- XVIII. **A worth which loses its meaning Water**
TOKSÖZ D., YILMAZ I.
World Multidisciplinary Civil Engineering-Architecture-Urban Planning Symposium (WMCAUS 2016), 13 - 17 June 2016
- XIX. **ANALYSIS OF LANDSLIDE INDUCED DUE TO TOE EXCAVATION A CASE OF KARABÜK**
KESKİN İ., YILMAZ I., ATEŞ A.
Uluslararası Doğal Afet ve Afet Yönetimi Sempozyumu (DAAYS'16), 2 - 04 March 2016
- XX. **Natural Oil Seep in Korna - Significant Locality for Geotourism**
Marschalko M., Duraj M., Niemiec D., YILMAZ I.
World Multidisciplinary Earth Sciences symposium (WMESS), Prague, Czech Republic, 5 - 09 September 2016, vol.44
- XXI. **Assessing the Geological Environment Constituents of the Neogenous Sediments Related to Various Geotechnical Applications**
Niemiec D., Marschalko M., Durd'ak J., Zasterova P., Duraj M., YILMAZ I., Drusa M.
World Multidisciplinary Earth Sciences symposium (WMESS), Prague, Czech Republic, 5 - 09 September 2016, vol.44
- XXII. **Listing a Geological Rarity of 'Stone Balls' in Kysuce Among World Geotourism Destinations**
Duraj M., Niemiec D., Marschalko M., YILMAZ I.
World Multidisciplinary Earth Sciences symposium (WMESS), Prague, Czech Republic, 5 - 09 September 2016, vol.44
- XXIII. **Analysis of The Loess Geological Environment in Terms of Engineering-Geological and Geotechnical Purposes and Application in Geotourism**
Marschalko M., Durd'ak J., Niemiec D., Zasterova P., Duraj M., YILMAZ I., Drusa M.
World Multidisciplinary Earth Sciences symposium (WMESS), Prague, Czech Republic, 5 - 09 September 2016, vol.44
- XXIV. **Monuments of The Czech Republic On The UNESCO World Heritage Site List and Their Significance for Geotourism**
Duraj M., Marschalko M., Niemiec D., YILMAZ I.
World Multidisciplinary Civil Engineering-Architecture-Urban Planning Symposium (WMCAUS), Prague, Czech Republic, 13 - 17 June 2016, vol.161, pp.2265-2270

- XXV. **A Study on the Performance of GPR for Detection of Different Types of Buried Objects**
TOKSÖZ D., YILMAZ I., ŞEREN A., Mataraci I.
World Multidisciplinary Civil Engineering-Architecture-Urban Planning Symposium (WMCAUS), Prague, Czech Republic, 13 - 17 June 2016, vol.161, pp.399-406
- XXVI. **Analysis the Purposes of Land Use Planning on the Hard Coal Tailing Dumps**
Zasterova P., Niemiec D., Marschalko M., Durd'ak J., Duraj M., YILMAZ I., Drusa M.
World Multidisciplinary Earth Sciences symposium (WMESS), Prague, Czech Republic, 5 - 09 September 2016, vol.44
- XXVII. **Churches Influenced by Underground Mining in the Karvina Region Used for the Purposes of Geotourism**
Marschalko M., Duraj M., Niemiec D., YILMAZ I., Pryvalov A.
World Multidisciplinary Civil Engineering-Architecture-Urban Planning Symposium (WMCAUS), Prague, Czech Republic, 13 - 17 June 2016, vol.161, pp.2271-2275
- XXVIII. **Occurrences of Mineralized Waters and Mineral Springs in Kysuce and Their Meaning for Geotourism**
Niemiec D., Marschalko M., Duraj M., YILMAZ I.
World Multidisciplinary Earth Sciences symposium (WMESS), Prague, Czech Republic, 5 - 09 September 2016, vol.44
- XXIX. **Conservation of Selected Churches in the Most Region and Karvina Region and Their Significance for Geotourism**
Niemiec D., Duraj M., Marschalko M., YILMAZ I.
World Multidisciplinary Civil Engineering-Architecture-Urban Planning Symposium (WMCAUS), Prague, Czech Republic, 13 - 17 June 2016, vol.161, pp.2276-2281
- XXX. **Determination of the landslide risk by Geographical Information Systems GIS on the North Anatolian Fault Zone**
Türk T., Hastaoğlu K. Ö., Poyraz F., Demirel M., Yilmaz I.
World Multidisciplinary Earth Sciences Symposium, Praha, Czech Republic, 7 - 11 September 2015
- XXXI. **Classifier ensemble of instance based learning algorithm with rotation forest technique for mapping of rainfall induced shallow landslides using GIS**
Tien Bui D., Hoang N. D., YILMAZ I.
World Multidisciplinary Earth Sciences Symposium – WMESS 2015, Prag, Czech Republic, 7 - 11 September 2015
- XXXII. **Determination of the landslide risk by Geographical Information Systems GIS on the NorthAnatolian Fault Zone Turkey**
TÜRK T., HASTAOĞLU K. Ö., POYRAZ F., DEMİREL M., YILMAZ I.
The World Multidisciplinary Earth Sciences, PRAG, Czech Republic, 7 - 11 September 2015, pp.178
- XXXIII. **A landslide induced by overloading and seepage from water supply tank the case study from Akıncılar Sivas Turkey**
Yıldırım M., KESKİN İ., YILMAZ I., ATEŞ A.
World Multidisciplinary Earth Sciences Symposium – WMESS 2015, Prag, Czech Republic, 7 - 11 September 2015
- XXXIV. **Preparation of GIS based medium scale settlement suitability plans of Sivas city province by using Analytical Hierarchy Process AHP**
CEYLAN Ş., YILMAZ I.
World Multidisciplinary Earth Sciences Symposium – WMESS 2015, Prag, Czech Republic, 7 - 11 September 2015
- XXXV. **A fuzzy classification routine for fine grained soils**
TOKSÖZ D., YILMAZ I., NEFESLİOĞLU H. A., Marschalko M.
World Multidisciplinary Earth Sciences Symposium – WMESS 2015, Prag, Czech Republic, 7 - 11 September 2015
- XXXVI. **Morphometric and geological features of karstic depressions in gypsum Sivas Turkey**
KESKİN İ., YILMAZ I.
World Multidisciplinary Earth Sciences Symposium – WMESS 2015, Prag, Czech Republic, 7 - 11 September 2015
- XXXVII. **Determination of 3D landslide movement from Multi Temporal ENVISAT ASAR Images**
Hastaoğlu K. Ö., Yilmaz I., Poyraz F., Demirel M., Türk T.

- The World Multidisciplinary Earth Sciences, Praha, Czech Republic, 7 - 11 September 2015
- XXXVIII. **Rock mass parameters based doline susceptibility mapping in gypsum terrain**
YILMAZ I., KESKİN İ., Marschalko M.
World Multidisciplinary Earth Sciences Symposium – WMESS 2015, Prag, Czech Republic, 7 - 11 September 2015
- XXXIX. **Koyulhisar heyelanının GPS yöntemiyle izlenmesi ilk 8 periyot GPS ölçüm sonuçları**
Hastaoğlu K. Ö., Demirel M., Poyraz F., Koçbulut F., Türk T., Tatar O., Yilmaz I., Duman H.
Aktif Tektonik Araştırmalar Grubu (ATAG) 18. Çalıştayı, Muğla, Turkey, 5 - 07 November 2014
- XL. **İnce Taneli Zeminlerin Sınıflandırılmasında Bulanık Mantığın Kullanılabilirliği**
TOKSÖZ D., YILMAZ I., NEFESLİOĞLU H. A., Marschalko M.
67. Türkiye Jeoloji Kurultayı, Turkey, 14 - 18 April 2014
- XLI. **ANALYSIS OF EARTH PRESSURE AT RETAINING WALLS REINFORCED WITH GEOSYNTHETICS**
Vlcek J., Niemiec D., Zasterova P., Matuszkova B., Heviankova S., Kyncl M., Marschalko M., YILMAZ I., Bendova M., Dirner V., et al.
14th International Multidisciplinary Scientific Geoconference (SGEM), Albena, Bulgaria, 17 - 26 June 2014, pp.33-40
- XLII. **DEFORMATION ANALYSIS OF GABION WALLS ON TRANSPORT STRUCTURES**
Vlcek J., Bulko R., Niemiec D., Zasterova P., Kais L., Matuszkova B., Heviankova S., Kyncl M., Marschalko M., YILMAZ I., et al.
14th International Multidisciplinary Scientific Geoconference (SGEM), Albena, Bulgaria, 17 - 26 June 2014, pp.259-266
- XLIII. **THE RESULTS OF ANALYTICAL METHODS APPLIED IN THE STUDY OF ORGANIC MATTER CONTAINED IN THE CARBONIFEROUS CLASTIC SEDIMENTS**
Duraj M., Heviankova S., Kyncl M., Marschalko M., YILMAZ I.
14th International Multidisciplinary Scientific Geoconference (SGEM), Albena, Bulgaria, 17 - 26 June 2014, pp.345-351
- XLIV. **GPS ve Ps Insar Yöntemleri Kullanılarak Koyulhisar Sivas Heyelanlarının İzlenmesi İlk Sonuçlar**
HASTAOĞLU K. Ö., POYRAZ F., TÜRK T., KOÇBULUT F., ŞANLI D. U., YILMAZ I., BALIK ŞANLI F., KUÇAK R. A., DEMİREL M., GÜRSOY Ö., et al.
Türkiye Ulusal Jeodezi Komisyonu (TUJK) 2013 Toplantısı - Doğal Afetler ve Jeodezi, Sivas, Turkey, 7 - 08 November 2013
- XLV. **GPS ve Ps Insar Yöntemleri Kullanılarak Koyulhisar Sivas Heyelanlarının İzlenmesi**
HASTAOĞLU K. Ö., POYRAZ F., TÜRK T., KOÇBULUT F., ŞANLI D. U., YILMAZ I., ŞANLI F. B., KUÇAK R. A., MEHMET D., GÜRSOY Ö., et al.
TUJK 2013 - Doğal Afetler ve Jeodezi, Turkey, 7 - 08 November 2013
- XLVI. **STUDY OF DIFFERENT FORMS OF COAL SUBSTANCE IN CARBONIFEROUS SEDIMENTS AND CALCULATION OF ITS TOTAL CONTENT IN THE BOREHOLE**
Duraj M., Heviankova S., Kyncl M., Bestova I., Marschalko M., YILMAZ I., Penaz T., Orlando A. M.
13th International Multidisciplinary Scientific Geoconference, SGEM 2013, Albena, Bulgaria, 16 - 22 June 2013, pp.179-182
- XLVII. **DETERMINATION OF SERVICE AREAS BASED ON VECTOR NETWORK MODEL ROADWAYS**
Penaz T., Vojtek D., Heviankova S., Kyncl M., Duraj M., YILMAZ I., Marschalko M., Drusa M., Orlando A. M., Kubecka K.
13th International Multidisciplinary Scientific Geoconference, SGEM 2013, Albena, Bulgaria, 16 - 22 June 2013, pp.693-695
- XLVIII. **VERIFICATION OF THE RESULTS OF THE GEOTECNICAL MONITORING USING FINITE ELEMENT METHOD**
Drusa M., Lamich D., Vlcek J., Heviankova S., Kynel M., Marschalko M., YILMAZ I., Bouchal T., Bendova M., Kubeckova D., et al.
13th International Multidisciplinary Scientific Geoconference, SGEM 2013, Albena, Bulgaria, 16 - 22 June 2013, pp.533-535
- XLIX. **NEED FOR A SPECIFIC DESCRIPTION OF SOLID ROCKS AND SOILS IN ENGINEERING GEOLOGY**
Vlasek R., Penaz T., Welser P., YILMAZ I., Bouchal T., Drusa M., Stalmachova B., Duraj M.

- 12h International Multidisciplinary Scientific Geoconference (SGEM), Albena, Bulgaria, 17 - 23 June 2012, pp.191-195
- L. **THE RELATION OF THE SURFACE GEOLOGICAL STRUCTURE AND FLOODPLAINS AS IMPORTANT CRITERION FOR FOUNDATION ENGINEERING**
 Kubeckova D., Kubecka K., Penaz T., Marschalko M., YILMAZ I., Bouchal T., Drusa M., Bendova M., Duraj M.
 12h International Multidisciplinary Scientific Geoconference (SGEM), Albena, Bulgaria, 17 - 23 June 2012, pp.331-335
- LI. **THE ROLE OF ENGINEERING-GEOLOGICAL ZONES IN FOUNDATION ENGINEERING**
 Kubecka K., Kubeckova D., Penaz T., Marschalko M., YILMAZ I., Bouchal T., Drusa M., Bendova M., Duraj M.
 12h International Multidisciplinary Scientific Geoconference (SGEM), Albena, Bulgaria, 17 - 23 June 2012, pp.339-343
- LII. **SELECTED GEOBARRIERS AS PART OF LAND USE PLANNING INFORMATION AND RATING SERVICE**
 Marschalko M., YILMAZ I., Kubecka K., Bednarik M., Duraj M., Lahuta H.
 11th International Multidisciplinary Scientific GeoConference, Albena, Bulgaria, 20 - 25 June 2011, pp.591-594
- LIII. **THE IMPORTANCE OF THE ENGINEERING-GEOLOGICAL CONDITIONS IDENTIFIED IN LAND USE PLANS IN THE SPA DARKOV REGION (CZECH REPUBLIC)**
 Marschalko M., YILMAZ I., Kubecka K., Bouchal T., Bednarik M., Lahuta H., Duraj M.
 11th International Multidisciplinary Scientific GeoConference, Albena, Bulgaria, 20 - 25 June 2011, pp.637-639
- LIV. **THE CRITERION OF THE PRE-QUATERNARY BEDROCK AS IMPORTANT INFORMATION FOR THE FUTURE FOUNDATION ENGINEERING PURPOSES WITHIN THE PLANNED DEVELOPMENT**
 Marschalko M., YILMAZ I., Kubecka K., Bouchal T., Bednarik M., Lahuta H., Duraj M.
 11th International Multidisciplinary Scientific GeoConference, Albena, Bulgaria, 20 - 25 June 2011, pp.615-616
- LV. **A NEW TESTING METHOD FOR INDIRECT DETERMINATION OF THE UNCONFINED COMPRESSIVE STRENGTH OF THE ROCKS: CORE STRANGLE TEST (CST)**
 Yilmaz I.
 9th International Multidisciplinary Scientific Geo-Conference and Expo, Albena, Bulgaria, 14 - 19 June 2009, pp.177
- LVI. **GYPSUM: AS AN ADDITIVE FOR STABILIZATION OF SWELLING CLAYS**
 YILMAZ I., Civelekoglu B.
 9th International Multidisciplinary Scientific Geo-Conference and Expo, Albena, Bulgaria, 14 - 19 June 2009, pp.245
- LVII. **GYPSUM HAZARDS AND IMPORTANCE OF SUSCEPTIBILITY MAPPING: AN EXAMPLE FROM SIVAS BASIN (TURKEY)**
 Yilmaz I.
 9th International Multidisciplinary Scientific Geo-Conference and Expo, Albena, Bulgaria, 14 - 19 June 2009, pp.33
- LVIII. **ROCKFALL HAZARD MAPPING USING GIS SOFTWARE: AN APPLICATION IN A SELECTED AREA FROM SEBINKARAHISAR (GIRESUN-TURKEY)**
 YILMAZ I., KESKİN İ., YILDIRIM M., Civelekoglu B.
 8th International Scientific Conference on Modern Management of Mine Producing, Geology and Environmental Protection, Sofija, Bulgaria, 16 - 20 June 2008, pp.467
- LIX. **Toe erosion induced landslides from Şebinkarahisar (Giresun-Turkey): Part II, physically based susceptibility mapping**
 YILMAZ I., KESKİN İ.
 Int. Conf. SGEM 2007, 7 - 11 June 2007
- LX. **Toe erosion induced landslides from Şebinkarahisar (Giresun-Turkey): Part I**
 YILMAZ I., KESKİN İ.
 Int. Conf. SGEM 2007, 7 - 11 June 2007
- LXI. **Landslide susceptibility mapping and use of Artificial Neural Networks**
 YILMAZ I.
 Int. Conf. SGEM 2005, 5 - 09 June 2005
- LXII. **Pre-investigation of the Kat county landslides in the North Anatolian Fault zone (Tokat, Turkey): structural and geomorphological aspects**
 YILMAZ I., YILDIRIM M.

- Int. Conf. SGEM 2004, 9 - 13 June 2004
- LXIII. **A landslide threatening the spillway of a dam: an example of Ozen dam (Sivas-Turkey)**
SAĞLAM B., YILMAZ I.
3rd Int. Conf. SGEM 2003, 11 - 15 June 2003
- LXIV. **Koyulhisar (Sivas) landslides, their classifications and investigations**
SENDİR H., YILMAZ I.
4th International Turkish Geology Symposium (ITGS IV), 24 - 28 September 2001
- LXV. **Geo-engineering properties of Erbaa basin' s clayey alluvial soils**
YILMAZ I., KARACAN E.
3rd International Turkish Geology Workshop, 3 - 07 September 1998
- LXVI. **Geo-engineering characteristics of Cumhuriyet University (Sivas-Turkey) campus area soils. EUG 8, Strasbourg, France, p. 294**
YILMAZ I., KARACAN E.
EUG 8, 9 - 14 October 1995
- LXVII. **Geotechnical characteristics and mineralogy of clays used in Çamlıgöze dam (Suşehri-Sivas)' s clay core**
YILMAZ I., KARACAN E.
2nd International Turkish Geology Workshop, 5 - 09 May 1995

Activities in Scientific Journals

Bulletin Of Engineering Geology And The Environment, Editor, 2010 - Continues
Environmental Geology, Committee Member, 2005 - Continues

Metrics

Publication: 195
Citation (WoS): 3814
Citation (Scopus): 4120
H-Index (WoS): 30
H-Index (Scopus): 29

Awards

Yılmaz I., Medal of Science, University Of Zilina, March 2018
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Yılmaz I., Erguvanlı Ödülü, Mühendislik Jeolojisi Türk Milli Komitesi, June 2000

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