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Kişisel Bilgiler

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Eğitim Bilgileri

Yüksek Lisans, Sivas Cumhuriyet Üniversitesi, Fen Bilimleri Enstitüsü, Türkiye 2014 - 2018

Doktora, Sivas Cumhuriyet Üniversitesi, Fen Bilimleri Enstitüsü, Türkiye 1994 - 1998

Lisans, Hacettepe Üniversitesi, Mühendislik Fakültesi, Türkiye 1984 - 1990

Yaptığı Tezler

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

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

Araştırma Alanları

Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Prof. Dr., Sivas Cumhuriyet Üniversitesi, Mühendislik Fakültesi, Jeoloji Mühendisliği Bölümü, 2010 - Devam Ediyor

Akademik İdari Deneyim

Anabilim/Bilim Dalı Başkanı, Sivas Cumhuriyet Üniversitesi, Mühendislik Fakültesi, Jeoloji Mühendisliği Bölümü, 2010 - Devam Ediyor

Dekan, Sivas Cumhuriyet Üniversitesi, Mühendislik Fakültesi, Jeoloji Mühendisliği Bölümü, 2012 - 2015

Bölüm Başkanı, Sivas Cumhuriyet Üniversitesi, Mühendislik Fakültesi, Jeoloji Mühendisliği Bölümü, 2011 - 2014

Verdiği Dersler

Doktora

Uzmanlık Alan Dersi, Doktora, 2019 - 2020

Tez Çalışması, Doktora, 2018 - 2019

Bölgesel Planlamaya Esas Model Harita Üretimi, Doktora, 2017 - 2018
Mühendislik Jeolojisinde Belirsizlikler ve Modellemesi, Doktora, 2017 - 2018
Şev Hareketleri,Heyelanlar ve Bölgesel Planlamada Etkileri, Doktora, 2017 - 2018
Sorunlu Zeminler ve İyileştirme, Doktora, 2016 - 2017
Seminer Dersi, Doktora, 2017 - 2018
Şehir ve Bölgesel Planlama Amaçlı Bütünleşik Jeoteknik Araştırmalar, Doktora, 2015 - 2016
Kaya Kütlelerinin Jeo-Mekanik Özellikleri, Doktora, 2015 - 2016

Yüksek Lisans

Mühendislik Jeolojisinde Alan Araştırmaları, Yüksek Lisans, 2019 - 2020
Mühendislik Jeolojisi Örnek Olay Çalışmaları, Yüksek Lisans, 2018 - 2019
Yeraltı suları ve Heyelanlar Açısından Jeoteknik Sorunlar, Yüksek Lisans, 2018 - 2019
Tez Çalışması, Yüksek Lisans, 2018 - 2019
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Uzmanlık Alan Dersi, Yüksek Lisans, 2019 - 2020
Mühendislik Jeolojisinde Şişen Zeminler, Yüksek Lisans, 2019 - 2020
Seminer Dersi, Yüksek Lisans, 2017 - 2018

Lisans

Kaya Mekaniği, Lisans, 2019 - 2020
Malzeme, Lisans, 2018 - 2019
Mukavemet, Lisans, 2018 - 2019
Malzeme, Lisans, 2016 - 2017
Harita Kampı, Lisans, 2016 - 2017
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Kaya Mekaniği, Lisans, 2017 - 2018
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Mühendislik Jeolojisi ve Jeoteknik Uygulamalar, Lisans, 2012 - 2013
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Zemin Mekaniği, Lisans, 2013 - 2014
Mühendislik Jeolojisi, Lisans, 2005 - 2006

Yönetilen Tezler

YILMAZ I., Şişen killerin iyileştirilmesinde jips kolonu performansının araştırılmasına ilişkin laboratuvar model çalışması, Yüksek Lisans, B.ERGENOĞLU(Öğrenci), 2018
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SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Deterministic approach to assess landslide susceptibility and landslide activity in the Central-Western Region of Slovakia**
Bednarik M., YILMAZ I., Kralovičová L.
Bulletin of Engineering Geology and the Environment, cilt.83, sa.8, 2024 (SCI-Expanded)
- II. **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.
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- III. **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, cilt.95, sa.5, ss.1763-1770, 2021 (SCI-Expanded)
- IV. **Shallow mixing and column performances of lime, fly ash and gypsum on the stabilization of swelling soils**
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- V. **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, cilt.20, sa.17, 2020 (SCI-Expanded)
- VI. **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, cilt.53, sa.2, ss.276-282, 2020 (SCI-Expanded)
- VII. **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.
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- VIII. **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, cilt.79, sa.2, 2020 (SCI-Expanded)
- IX. **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.
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- X. **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, cilt.78, sa.8, ss.5841-5851, 2019 (SCI-Expanded)
- XI. **A fuzzy prediction approach for swell potential of soils**
TOKSÖZ D., YILMAZ I.
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- XII. **"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, cilt.52, sa.8, ss.2717-2718, 2019 (SCI-Expanded)
- XIII. **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, cilt.78, sa.1, 2019 (SCI-Expanded)
- XIV. **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.
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- XV. **Effect of surface void percentage (SVP) on the unconfined compressive strength (UCS) of porous rocks**
YILMAZ I., YILDIRIM M., Marschalko M.
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- XVI. **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.
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- XVII. **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.
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- XVIII. **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.
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- XIX. **A fuzzy classification routine for fine-grained soils**
TOKSÖZ D., YILMAZ I., Nefeslioglu H. A., Marschalko M.
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- XX. **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.
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- XXI. **Morphometric and geological features of karstic depressions in gypsum (Sivas, Turkey)**
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- XXII. **Investigations into factors influencing the CBR values of some Aegean sands**
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- XXIII. **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.
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- XXIV. **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.
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- XXV. **Rock mass parameters based doline susceptibility mapping in gypsum terrain**
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QUARTERLY JOURNAL OF ENGINEERING GEOLOGY AND HYDROGEOLOGY, cilt.48, sa.2, ss.124-134, 2015 (SCI-Expanded)
- XXVI. **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, cilt.73, sa.10, ss.6601-6612, 2015 (SCI-Expanded)
- XXVII. **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.
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- XXVIII. **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.
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- XXIX. **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.
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- XXX. **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.
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- XXXI. **The effect of different types of water on the swelling behaviour of expansive clays**
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- XXXII. **Underground mining hazard map including building site categories in an area affected by underground mining activities**
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- XXXIII. **Monitoring of heat transmission from buildings into geological environment and evaluation of soil deformation consequences in foundation engineering**
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- XXXIV. **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.
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- XXXV. **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.
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- XXXVI. **Design and construction of knowledge ontology for thematic cartography domain**
Penaz T., Dostal R., YILMAZ I., Marschalko M.
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- XXXVII. **Use of the core strangle test for determining strength anisotropy of rocks**
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- XXXVIII. **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**
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- XXXIX. **A small-scale landslide susceptibility assessment for the territory of Western Carpathians**
Holec J., Bednarik M., Sabo M., Minar J., YILMAZ I., Marschalko M.
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- XL. **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.
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- XLI. **An assessment on the use of bivariate, multivariate and soft computing techniques for collapse susceptibility in GIS environ**
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- XLII. **In-situ remediation of the contaminated soils in Ostrava city (Czech Republic) by steam curing/vapor**
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- 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.
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- XLIV. **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"**
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- XLV. **Properties of the Loess Sediments in Ostrava Region (Czech Republic) and Comparison with Some Other Loess Sediments**
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- XLVI. **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)**
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- XLVII. **Influence of the Soil Genesis on Physical and Mechanical Properties**
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- XLVIII. The Use of the Direct Optimized Probabilistic Calculation Method in Design of Bolt Reinforcement for Underground and Mining Workings**
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- XLIX. Deformation of slopes as a cause of underground mining activities: three case studies from Ostrava-Karvina coal field (Czech Republic)**
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- L. 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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- LI. Influence of underground mining activities on the slope deformation genesis: Doubrava Vrchovec, Doubrava Ujala and Staric case studies from Czech Republic**
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- LII. Landslide hazard and risk assessment: a case study from the Hlohovec-Sered' landslide area in south-west Slovakia**
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