

# Prof. CANDAN GÖKÇEOĞLU

## Personal Information

Office Phone: [+90 312 297 7735](tel:+903122977735)

Fax Phone: [+90 312 299 2034](tel:+903122992034)

Email: [cgokce@hacettepe.edu.tr](mailto:cgokce@hacettepe.edu.tr)

Web: <https://yunus.hacettepe.edu.tr/~cgokce>

Address: JEOLJİ MÜHENDİSLİĞİ BÖLÜMÜ BEYTEPE

## International Researcher IDs

ORCID: 0000-0003-4762-9933

Publons / Web Of Science ResearcherID: E-3259-2013

ScopusID: 35552191500

Yoksis Researcher ID: 5873

## Education Information

Doctorate, Hacettepe University, Jeoloji Mühendisliği, Turkey 1993 - 1997

Undergraduate, Hacettepe University, Mühendislik Fakültesi, Jeoloji (Hidrojeoloji), Turkey 1984 - 1989

## Foreign Languages

English, B2 Upper Intermediate

## Research Areas

Geological Engineering, Applied Geology, Engineering Geology foundations, earthquakes, dams, reservoirs, Engineering and Technology

## Academic Titles / Tasks

Professor, Hacettepe University, Mühendislik Fakültesi, Jeoloji Mühendisliği Bölümü, 2009 - Continues

Associate Professor, Hacettepe University, Mühendislik Fakültesi, Jeoloji Mühendisliği Bölümü, 2003 - 2009

Assistant Professor, Hacettepe University, Mühendislik Fakültesi, Jeoloji Mühendisliği Bölümü, 1998 - 2003

Research Assistant, Hacettepe University, Mühendislik Fakültesi, Jeoloji Mühendisliği Bölümü, 1989 - 1998

## Academic and Administrative Experience

Hacettepe Üniversitesi, Mühendislik Fakültesi, Jeoloji Mühendisliği Bölümü, 2012 - Continues

## Advising Theses

GÖKÇEOĞLU C., Kural tabanlı algoritma ile heyelan duyarlılık haritalaması (Beni Ahmed bölgesi, Rif dağları, Fas ),

Postgraduate, B.CEM(Student), 2017  
GÖKÇEOĞLU C., Manisa devlet hastanesi zemininin iyileştirilmesi ve iki farklı yöntemin performansının karşılaştırılması, Postgraduate, Y.BAŞKÖSE(Student), 2016  
TÜRER D., GÖKÇEOĞLU C., Kırka (Eskişehir) Bor İşletmesi'nin toprak ve sular üzerindeki çevresel etkilerinin incelenmesi, Doctorate, M.TANJU(Student), 2016  
GÖKÇEOĞLU C., Assessment of the slope stability of the deep road cuts excavated during the construction of the Anamur-Kaledran State Road, Postgraduate, K.TOKGÖZOĞLU(Student), 2014  
GÖKÇEOĞLU C., SEZER E., Granitik kayaların tek eksenli sıkışma dayanımı üzerinde mineralojik ve petrografik özelliklerin etkisinin incelenmesi, Doctorate, N.GÜLTEKİN(Student), 2011  
GÖKÇEOĞLU C., SÖNMEZ H., Heyelan duyarlılık haritalarının hazırlanmasında yer ivmesinin etkisinin incelenmesi, Postgraduate, H.ÖZGÜR(Student), 2008  
GÖKÇEOĞLU C., SÖNMEZ H., Toprak akmalarına ilişkin tehlike haritalarının üretilmesi (Büyükköy su toplama havzası, Çayeli, Rize), Doctorate, H.AHMET(Student), 2008  
GÖKÇEOĞLU C., ULUSAY R., Barla-Besparmak-Kapı dağlarının kuzey yamaçlarındaki moloz oluşumunu etkileyen faktörlerin ve moloz akma koşullarının araştırılması, Doctorate, M.CELAL(Student), 2007  
GÖKÇEOĞLU C., SÖNMEZ H., Eğirdir (Isparta) yerleşim merkezi için heyelan olası tehlike değerlendirilmesi ve haritalaması, Postgraduate, N.YEŞİLOĞLU(Student), 2006  
GÖKÇEOĞLU C., Kangal (Sivas) linyit açık işletmesindeki toprak harmanlarının duraylılığını denetleyen faktörlerin araştırılması ve döküm şevlerinin tasarımı, Postgraduate, Ö.KAŞMER(Student), 2004

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Case study of a foundation failure induced by cyclic softening of clay during the 2023 Kahramanmaraş earthquakes**  
Tonyalı İ., AKBAŞ S. O., Beyaz T., KAYABALI K., GÖKÇEOĞLU C.  
Engineering Geology, vol.332, 2024 (SCI-Expanded)
- II. **Analysis of landslide susceptibility prediction accuracy with an event-based inventory: The 6 February 2023 Türkiye earthquakes**  
Karakas G., Unal E. O., Cetinkaya S., Ozcan N. T., Karakas V. E., Can R., GÖKÇEOĞLU C., KOCAMAN GÖKÇEOĞLU S.  
Soil Dynamics and Earthquake Engineering, vol.178, 2024 (SCI-Expanded)
- III. **Modeling Shallow Landslide Runout Distance in Eocene Flysch Facies Using Empirical-Statistical Models (Western Black Sea Region of Türkiye)**  
Komu M. P., Nefeslioglu H. A., GÖKÇEOĞLU C.  
ISPRS International Journal of Geo-Information, vol.13, no.3, 2024 (SCI-Expanded)
- IV. **Performance Comparison of Landslide Susceptibility Maps Derived from Logistic Regression and Random Forest Models in the Bolaman Basin, Türkiye**  
Kaya Topaçlı Z., Ozcan A. K., GÖKÇEOĞLU C.  
Natural Hazards Review, vol.25, no.1, 2024 (SCI-Expanded)
- V. **Letter to the editor on the paper entitled "Estimation of unconfined compressive strength of marine clay modified with recycled tiles using hybridized extreme gradient boosting method" by Li et al. (2023)**  
GÖKÇEOĞLU C.  
Construction and Building Materials, vol.404, 2023 (SCI-Expanded)
- VI. **A Novel Approach for Assessing the Performance of Offshore Ground Improvement in Floating Storage and Regasification Unit (FSRU) Terminal Construction**  
TUNAR ÖZCAN N., GÖKÇEOĞLU C.  
Applied Sciences (Switzerland), vol.13, no.16, 2023 (SCI-Expanded)
- VII. **A Hybrid Multi-Hazard Susceptibility Assessment Model for a Basin in Elazığ Province, Türkiye**  
KARAKAŞ G., KOCAMAN GÖKÇEOĞLU S., GÖKÇEOĞLU C.  
International Journal of Disaster Risk Science, vol.14, no.2, pp.326-341, 2023 (SCI-Expanded)

- VIII. **Hybrid neuro swarm intelligence paradigms for predicting the shear strength of sub-soil of heavy-haul freight corridor**  
Bardhan A., Kardani N., GuhaRay A., Samui P., Wu C., Zhang Y., Bhattacharyya S., GÖKÇEOĞLU C.  
ROAD MATERIALS AND PAVEMENT DESIGN, vol.24, no.8, pp.1885-1916, 2023 (SCI-Expanded)
- IX. **A Comparative Analysis of Hybrid Computational Models Constructed with Swarm Intelligence Algorithms for Estimating Soil Compression Index**  
Bardhan A., Kardani N., Alzo'ubi A. K., Samui P., Gandomi A. H., GÖKÇEOĞLU C.  
ARCHIVES OF COMPUTATIONAL METHODS IN ENGINEERING, vol.29, no.7, pp.4735-4773, 2022 (SCI-Expanded)
- X. **Flood damage assessment with Sentinel-1 and Sentinel-2 data after Sardoba dam break with GLCM features and Random Forest method**  
TAVUS B., KOCAMAN GÖKÇEOĞLU S., GÖKÇEOĞLU C.  
SCIENCE OF THE TOTAL ENVIRONMENT, vol.816, 2022 (SCI-Expanded)
- XI. **Assessment of interaction between a waste storage dam and instability in downstream right-side slope by 3D numerical analyses**  
GÖKÇEOĞLU C., Unutmaz B.  
ENVIRONMENTAL EARTH SCIENCES, vol.81, no.8, 2022 (SCI-Expanded)
- XII. **A Comparison Among Some Non-linear Prediction Tools on Indirect Determination of Uniaxial Compressive Strength and Modulus of Elasticity of Basalt**  
GÜLTEKİN N., GÖKÇEOĞLU C.  
JOURNAL OF NONDESTRUCTIVE EVALUATION, vol.41, no.1, 2022 (SCI-Expanded)
- XIII. **Comprehensive performance assessment of landslide susceptibility mapping with MLP and random forest: a case study after Elazig earthquake (24 Jan 2020, Mw 6.8), Turkey**  
KARAKAŞ G., KOCAMAN GÖKÇEOĞLU S., GÖKÇEOĞLU C.  
ENVIRONMENTAL EARTH SCIENCES, vol.81, no.5, 2022 (SCI-Expanded)
- XIV. **An assessment on the correlations between uniaxial compression strength and point load index**  
KAYABAŞI A., GÖKÇEOĞLU C.  
ARABIAN JOURNAL OF GEOSCIENCES, vol.15, no.3, 2022 (SCI-Expanded)
- XV. **<p>A novel integrated approach of ELM and modified equilibrium optimizer for predicting soil compression index of subgrade layer of Dedicated Freight Corridor</p>**  
Bardhan A., GuhaRay A., Gupta S., Pradhan B., GÖKÇEOĞLU C.  
TRANSPORTATION GEOTECHNICS, vol.32, 2022 (SCI-Expanded)
- XVI. **Efficient computational techniques for predicting the California bearing ratio of soil in soaked conditions**  
Bardhan A., GÖKÇEOĞLU C., Burman A., Samui P., Asteris P. G.  
ENGINEERING GEOLOGY, vol.291, 2021 (SCI-Expanded)
- XVII. **A Comprehensive Assessment of XGBoost Algorithm for Landslide Susceptibility Mapping in the Upper Basin of Ataturk Dam, Turkey**  
CAN R., KOCAMAN GÖKÇEOĞLU S., GÖKÇEOĞLU C.  
APPLIED SCIENCES-BASEL, vol.11, no.11, 2021 (SCI-Expanded)
- XVIII. **Derivation of earthquake-induced landslide distribution using aerial photogrammetry: the January 24, 2020, Elazig (Turkey) earthquake**  
KARAKAŞ G., NEFESLİOĞLU H. A., KOCAMAN GÖKÇEOĞLU S., Buyukdemircioglu M., Yurur T., GÖKÇEOĞLU C.  
LANDSLIDES, vol.18, no.6, pp.2193-2209, 2021 (SCI-Expanded)
- XIX. **Use of multisensor and multitemporal geospatial datasets to extract the foundation characteristics of a large building: a case study**  
GÖKÇEOĞLU C., KOCAMAN GÖKÇEOĞLU S., NEFESLİOĞLU H. A., OK A. Ö.  
BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, vol.80, no.4, pp.3251-3269, 2021 (SCI-Expanded)
- XX. **A special support design for a large-span tunnel crossing an active fault (T9 Tunnel, Ankara-Sivas High-Speed Railway Project, Turkey)**  
Aygar E. B., GÖKÇEOĞLU C.

- ENVIRONMENTAL EARTH SCIENCES, vol.80, no.1, 2021 (SCI-Expanded)
- XXI. **A CitSci Approach for Rapid Earthquake Intensity Mapping: A Case Study from Istanbul (Turkey)**  
YALÇIN İ., KOCAMAN GÖKÇEOĞLU S., GÖKÇEOĞLU C.  
ISPRS INTERNATIONAL JOURNAL OF GEO-INFORMATION, vol.9, no.4, 2020 (SCI-Expanded)
- XXII. **Problems Encountered during a Railway Tunnel Excavation in Squeezing and Swelling Materials and Possible Engineering Measures: A Case Study from Turkey**  
Aygar E. B., GÖKÇEOĞLU C.  
SUSTAINABILITY, vol.12, no.3, 2020 (SCI-Expanded)
- XXIII. **Use of Mamdani Fuzzy Algorithm for Multi-Hazard Susceptibility Assessment in a Developing Urban Settlement (Mamak, Ankara, Turkey)**  
Yanar T., KOCAMAN GÖKÇEOĞLU S., GÖKÇEOĞLU C.  
ISPRS INTERNATIONAL JOURNAL OF GEO-INFORMATION, vol.9, no.2, 2020 (SCI-Expanded)
- XXIV. **On the use of hierarchical fuzzy inference systems (HFIS) in expert-based landslide susceptibility mapping: the central part of the Rif Mountains (Morocco)**  
Ozer B. C., Mutlu B., NEFESLİOĞLU H. A., SEZER E., Rouai M., Dekayir A., GÖKÇEOĞLU C.  
BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, vol.79, no.1, pp.551-568, 2020 (SCI-Expanded)
- XXV. **Evaluation of Floods and Landslides Triggered by a Meteorological Catastrophe (Ordu, Turkey, August 2018) Using Optical and Radar Data**  
KOCAMAN GÖKÇEOĞLU S., TAVUS B., Nefeslioglu H. A., KARAKAŞ G., GÖKÇEOĞLU C.  
Geofluids, vol.2020, 2020 (SCI-Expanded)
- XXVI. **An Assessment on Permeability and Grout Take of Limestone: A Case Study at Mut Dam, Karaman, Turkey**  
KAYABAŞI A., GÖKÇEOĞLU C.  
WATER, vol.11, no.12, 2019 (SCI-Expanded)
- XXVII. **An Experimental Research on the Use of Recurrent Neural Networks in Landslide Susceptibility Mapping**  
MUTLU B., NEFESLİOĞLU H. A., SEZER E., AKCAYOL M. A., GÖKÇEOĞLU C.  
ISPRS INTERNATIONAL JOURNAL OF GEO-INFORMATION, vol.8, no.12, 2019 (SCI-Expanded)
- XXVIII. **Landslide susceptibility mapping of the Mediterranean coastal zone of Morocco between Oued Laou and El Jebha using artificial neural networks (ANN)**  
Harmouzi H., NEFESLİOĞLU H. A., Rouai M., Sezer E. A., Dekayir A., GÖKÇEOĞLU C.  
ARABIAN JOURNAL OF GEOSCIENCES, vol.12, no.22, 2019 (SCI-Expanded)
- XXIX. **A Novel Performance Assessment Approach Using Photogrammetric Techniques for Landslide Susceptibility Mapping with Logistic Regression, ANN and Random Forest**  
Sevgen E., Kocaman S., NEFESLİOĞLU H. A., GÖKÇEOĞLU C.  
SENSORS, vol.19, no.18, 2019 (SCI-Expanded)
- XXX. **A Convolutional Neural Network Architecture for Auto-Detection of Landslide Photographs to Assess Citizen Science and Volunteered Geographic Information Data Quality**  
Can R., Kocaman S., GÖKÇEOĞLU C.  
ISPRS INTERNATIONAL JOURNAL OF GEO-INFORMATION, vol.8, no.7, 2019 (SCI-Expanded)
- XXXI. **A low-cost approach for determination of discontinuity orientation using smartphone images and application to a part of Ihlara Valley (Central Turkey)**  
Ozturk H. S., Kocaman S., GÖKÇEOĞLU C.  
ENGINEERING GEOLOGY, vol.254, pp.63-75, 2019 (SCI-Expanded)
- XXXII. **A CitSci app for landslide data collection**  
Kocaman S., GÖKÇEOĞLU C.  
LANDSLIDES, vol.16, no.3, pp.611-615, 2019 (SCI-Expanded)
- XXXIII. **Invited and accepted speakers of the Fifth World Landslide Forum in Kyoto, 2020**  
Sassa K., Dang K., Guzzetti F., Casagli N., Tiwari B., Mikos M., Vilimek V., Bobrowsky P., Konagai K., Arbanas Z., et al.  
LANDSLIDES, vol.16, no.2, pp.431-446, 2019 (SCI-Expanded)
- XXXIV. **Combination of discontinuity characteristics and GIS for regional assessment of natural rock slopes**

- in a mountainous area (NE Turkey)**  
BOSTANCI H. T., ALEMDAĞ S., GÜROCAK Z., GÖKÇEOĞLU C.  
CATENA, vol.165, pp.487-502, 2018 (SCI-Expanded)
- XXXV. **Comment on "Comparative study of the deformation modulus of rock mass" by Panthee et al. (2018) in the Bulletin of Engineering Geology and the Environment**  
GÖKÇEOĞLU C.  
BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, vol.77, no.2, pp.761-762, 2018 (SCI-Expanded)
- XXXVI. **Bayesian prediction of TBM penetration rate in rock mass**  
Adoko A. C., GÖKÇEOĞLU C., Yagiz S.  
ENGINEERING GEOLOGY, vol.226, pp.245-256, 2017 (SCI-Expanded)
- XXXVII. **Safety assessment of limestone-based engineering structures to be partially flooded by dam water: A case study from northeastern Turkey**  
GÖKÇEOĞLU C., TÜRER A., Nefeslioglu H. A., TÜRER D., Meral C.  
ENGINEERING GEOLOGY, vol.209, pp.44-55, 2016 (SCI-Expanded)
- XXXVIII. **Modification of seed cell sampling strategy for landslide susceptibility mapping: an application from the Eastern part of the Gallipoli Peninsula (Canakkale, Turkey)**  
DAĞDELENLER G., NEFESLIOĞLU H. A., GÖKÇEOĞLU C.  
BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, vol.75, no.2, pp.575-590, 2016 (SCI-Expanded)
- XXXIX. **Preface of special issue on probabilistic and soft computing methods for engineering geology**  
Li D., Zhang J., Phoon K., GÖKÇEOĞLU C.  
ENGINEERING GEOLOGY, vol.203, pp.1-2, 2016 (SCI-Expanded)
- XL. **Spatial distribution of coal quality parameters with respect to production requirements: an adaptive neuro-fuzzy application for the Can coal field (Turkey)**  
KAYABAŞI A., TÜRER D., Yesiloglu-Gultekin N., GÖKÇEOĞLU C.  
GEOCATO INTERNATIONAL, vol.31, no.2, pp.193-209, 2016 (SCI-Expanded)
- XLI. **Engineering geology - A fifty year perspective**  
Juang C. H., Carranza-Torres C., Crosta G., Dong J., GÖKÇEOĞLU C., Jibson R. W., Shakoor A., Tang H., van Asch T. W. J., Wasowski J.  
ENGINEERING GEOLOGY, vol.201, pp.67-70, 2016 (SCI-Expanded)
- XLII. **A simple regression based approach to estimate deformation modulus of rock masses**  
ALEMDAĞ S., GÜROCAK Z., GÖKÇEOĞLU C.  
JOURNAL OF AFRICAN EARTH SCIENCES, vol.110, pp.75-80, 2015 (SCI-Expanded)
- XLIII. **Use of non-linear prediction tools to assess rock mass permeability using various discontinuity parameters**  
Kayabasi A., Yesiloglu-Gultekin N., GÖKÇEOĞLU C.  
ENGINEERING GEOLOGY, vol.185, pp.1-9, 2015 (SCI-Expanded)
- XLIV. **Determination of coastal border line: an integrated approach for a part of Antalya coast (Turkey)**  
GÖKÇEOĞLU C., NEFESLIOĞLU H. A., TÜRER D., AKGÜN A., AYAŞ Z., Temimhan M.  
ARABIAN JOURNAL OF GEOSCIENCES, vol.8, no.2, pp.1145-1154, 2015 (SCI-Expanded)
- XLV. **An assessment on producing synthetic samples by fuzzy C-means for limited number of data in prediction models**  
SEZER E., NEFESLIOĞLU H. A., GÖKÇEOĞLU C.  
APPLIED SOFT COMPUTING, vol.24, pp.126-134, 2014 (SCI-Expanded)
- XLVI. **Prediction of Earthquake Hazard by Hidden Markov Model (around Bilecik, NW Turkey)**  
CAN C. E., Ergun G., GÖKÇEOĞLU C.  
CENTRAL EUROPEAN JOURNAL OF GEOSCIENCES, vol.6, no.3, pp.403-414, 2014 (SCI-Expanded)
- XLVII. **Prediction of uniaxial compressive strength of granitic rocks by various nonlinear tools and comparison of their performances**  
Yesiloglu-Gultekin N., GÖKÇEOĞLU C., SEZER E.  
INTERNATIONAL JOURNAL OF ROCK MECHANICS AND MINING SCIENCES, vol.62, pp.113-122, 2013 (SCI-Expanded)

- XLVIII. A modified analytical hierarchy process (M-AHP) approach for decision support systems in natural hazard assessments**  
Nefeslioglu H. A., SEZER E., GÖKÇEOĞLU C., AYAS Z.  
COMPUTERS & GEOSCIENCES, vol.59, pp.1-8, 2013 (SCI-Expanded)
- XLIX. Influence of seismic acceleration on landslide susceptibility maps: a case study from NE Turkey (the Kelkit Valley)**  
Das H. O., SÖNMEZ H., GÖKÇEOĞLU C., Nefeslioglu H. A.  
LANDSLIDES, vol.10, no.4, pp.433-454, 2013 (SCI-Expanded)
- L. Application of weights-of-evidence and certainty factor models and their comparison in landslide susceptibility mapping at Haraz watershed, Iran**  
Pourghasemi H. R., Pradhan B., GÖKÇEOĞLU C., Mohammadi M., Moradi H. R.  
ARABIAN JOURNAL OF GEOSCIENCES, vol.6, no.7, pp.2351-2365, 2013 (SCI-Expanded)
- LI. Knowledge-based and data-driven fuzzy modeling for rockburst prediction**  
Adoko A. C., GÖKÇEOĞLU C., Wu L., Zuo Q. J.  
INTERNATIONAL JOURNAL OF ROCK MECHANICS AND MINING SCIENCES, vol.61, pp.86-95, 2013 (SCI-Expanded)
- LII. Landslide susceptibility mapping using support vector machine and GIS at the Golestan Province, Iran**  
Pourghasemi H. R., Jirandeh A. G., Pradhan B., Xu C., GÖKÇEOĞLU C.  
JOURNAL OF EARTH SYSTEM SCIENCE, vol.122, no.2, pp.349-369, 2013 (SCI-Expanded)
- LIII. Preface for the special issue "FUZZYSS11: 2nd International Fuzzy Systems Symposium"**  
GÖKÇEOĞLU C., BAYKASOĞLU A., DERELİ T., TÜRKŞEN İ. B.  
EXPERT SYSTEMS WITH APPLICATIONS, vol.40, no.3, pp.841, 2013 (SCI-Expanded)
- LIV. A comparative assessment of prediction capabilities of Dempster-Shafer and Weights-of-evidence models in landslide susceptibility mapping using GIS**  
Pourghasemi H., Pradhan B., GÖKÇEOĞLU C., Moezzi K. D.  
GEOMATICS NATURAL HAZARDS & RISK, vol.4, no.2, pp.93-118, 2013 (SCI-Expanded)
- LV. A computer program (TSecSoft) to determine mineral percentages using photographs obtained from thin sections**  
YESILOGLU-GULTEKIN N., KEÇELİ A. S., SEZER E., CAN A. B., GÖKÇEOĞLU C., BAYHAN H.  
COMPUTERS & GEOSCIENCES, vol.46, pp.310-316, 2012 (SCI-Expanded)
- LVI. Application of fuzzy logic and analytical hierarchy process (AHP) to landslide susceptibility mapping at Haraz watershed, Iran**  
Pourghasemi H. R., Pradhan B., GÖKÇEOĞLU C.  
NATURAL HAZARDS, vol.63, no.2, pp.965-996, 2012 (SCI-Expanded)
- LVII. Some applications of Adaptive Neuro-Fuzzy Inference System (ANFIS) in geotechnical engineering**  
ÇABALAR A. F., ÇEVİK A., GÖKÇEOĞLU C.  
COMPUTERS AND GEOTECHNICS, vol.40, pp.14-33, 2012 (SCI-Expanded)
- LVIII. An assessment on the use of Terra ASTER L3A data in landslide susceptibility mapping**  
Nefeslioglu H. A., San B. T., GÖKÇEOĞLU C., Duman T. Y.  
INTERNATIONAL JOURNAL OF APPLIED EARTH OBSERVATION AND GEOINFORMATION, vol.14, no.1, pp.40-60, 2012 (SCI-Expanded)
- LIX. An easy-to-use MATLAB program (MamLand) for the assessment of landslide susceptibility using a Mamdani fuzzy algorithm**  
Akgun A., SEZER E., Nefeslioglu H. A., GÖKÇEOĞLU C., Pradhan B.  
COMPUTERS & GEOSCIENCES, vol.38, no.1, pp.23-34, 2012 (SCI-Expanded)
- LX. FUZZYSS'2011: 2nd International Fuzzy Systems Symposium 17-18 November 2011, Ankara, Turkey**  
BAYKASOĞLU A., GÖKÇEOĞLU C., DERELİ T., TÜRKŞEN İ. B.  
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, vol.23, no.6, pp.269, 2012 (SCI-Expanded)
- LXI. Medium-scale hazard mapping for shallow landslide initiation: the Buyukkoy catchment area (Cayeli, Rize, Turkey)**  
Nefeslioglu H. A., GÖKÇEOĞLU C., SÖNMEZ H., Gorum T.

- LANDSLIDES, vol.8, no.4, pp.459-483, 2011 (SCI-Expanded)
- LXII. **Manifestation of an adaptive neuro-fuzzy model on landslide susceptibility mapping: Klang valley, Malaysia**  
SEZER E., Pradhan B., GÖKÇEOĞLU C.  
EXPERT SYSTEMS WITH APPLICATIONS, vol.38, no.7, pp.8208-8219, 2011 (SCI-Expanded)
- LXIII. **Some non-linear models to predict the weathering degrees of a granitic rock from physical and mechanical parameters**  
DAĞDELENLER G., Sezer E. A., GÖKÇEOĞLU C.  
EXPERT SYSTEMS WITH APPLICATIONS, vol.38, no.6, pp.7476-7485, 2011 (SCI-Expanded)
- LXIV. **Landform effect on rockfall and hazard mapping in Cappadocia (Turkey)**  
Zorlu K., TUNUSLUOĞLU M. C., Gorum T., Nefeslioglu H. A., Yalcin A., TÜRER D., GÖKÇEOĞLU C.  
ENVIRONMENTAL EARTH SCIENCES, vol.62, no.8, pp.1685-1693, 2011 (SCI-Expanded)
- LXV. **Modeling of the uniaxial compressive strength of some clay-bearing rocks using neural network**  
ÇEVİK A., SEZER E., ÇABALAR A. F., GÖKÇEOĞLU C.  
APPLIED SOFT COMPUTING, vol.11, no.2, pp.2587-2594, 2011 (SCI-Expanded)
- LXVI. **Probabilistic Risk Assessment in Medium Scale for Rainfall-Induced Earthflows: Catakli Catchment Area (Cayeli, Rize, Turkey)**  
Nefeslioglu H. A., GÖKÇEOĞLU C.  
MATHEMATICAL PROBLEMS IN ENGINEERING, 2011 (SCI-Expanded)
- LXVII. **Landslide Susceptibility Mapping by Neuro-Fuzzy Approach in a Landslide-Prone Area (Cameron Highlands, Malaysia)**  
Pradhan B., SEZER E., GÖKÇEOĞLU C., Buchroithner M. F.  
IEEE TRANSACTIONS ON GEOSCIENCE AND REMOTE SENSING, vol.48, no.12, pp.4164-4177, 2010 (SCI-Expanded)
- LXVIII. **Application of fuzzy inference system and nonlinear regression models for predicting rock brittleness**  
YAĞIZ S., GÖKÇEOĞLU C.  
EXPERT SYSTEMS WITH APPLICATIONS, vol.37, no.3, pp.2265-2272, 2010 (SCI-Expanded)
- LXIX. **Neuro-fuzzy based constitutive modeling of undrained response of Leighton Buzzard Sand mixtures**  
ÇABALAR A. F., ÇEVİK A., GÖKÇEOĞLU C., Baykal G.  
EXPERT SYSTEMS WITH APPLICATIONS, vol.37, no.1, pp.842-851, 2010 (SCI-Expanded)
- LXX. **Assessment of Landslide Susceptibility by Decision Trees in the Metropolitan Area of Istanbul, Turkey**  
Nefeslioglu H. A., SEZER E., GÖKÇEOĞLU C., BOZKIR A. S., Duman T. Y.  
MATHEMATICAL PROBLEMS IN ENGINEERING, 2010 (SCI-Expanded)
- LXXI. **A statistical assessment on international landslide literature (1945-2008)**  
GÖKÇEOĞLU C., SEZER E.  
LANDSLIDES, vol.6, no.4, pp.345-351, 2009 (SCI-Expanded)
- LXXII. **A comparative study on indirect determination of degree of weathering of granites from some physical and strength parameters by two soft computing techniques**  
GÖKÇEOĞLU C., Zorlu K., Ceryan S., Nefeslioglu H. A.  
MATERIALS CHARACTERIZATION, vol.60, no.11, pp.1317-1327, 2009 (SCI-Expanded)
- LXXIII. **Estimating the uniaxial compressive strength of some clay-bearing rocks selected from Turkey by nonlinear multivariable regression and rule-based fuzzy models**  
GÖKÇEOĞLU C., SÖNMEZ H., Zorlu K.  
EXPERT SYSTEMS, vol.26, no.2, pp.176-190, 2009 (SCI-Expanded)
- LXXIV. **Implementation of reconstructed geomorphologic units in landslide susceptibility mapping: the Melen Gorge (NW Turkey)**  
Gorum T., Gonencgil B., GÖKÇEOĞLU C., Nefeslioglu H. A.  
NATURAL HAZARDS, vol.46, no.3, pp.323-351, 2008 (SCI-Expanded)
- LXXV. **Assessment of geo-environmental problems of the Zonguldak province (NW Turkey)**  
TÜRER D., Nefeslioglu H. A., Zorlu K., GÖKÇEOĞLU C.

- ENVIRONMENTAL GEOLOGY, vol.55, no.5, pp.1001-1014, 2008 (SCI-Expanded)
- LXXVI. **The use of cation packing index for characterizing the weathering degree of granitic rocks**  
CERYAN Ş., Zorlu K., GÖKÇEOĞLU C., TEMEL A.  
ENGINEERING GEOLOGY, vol.98, pp.60-74, 2008 (SCI-Expanded)
- LXXVII. **An assessment on the use of logistic regression and artificial neural networks with different sampling strategies for the preparation of landslide susceptibility maps**  
Nefeslioglu H. A., GÖKÇEOĞLU C., SÖNMEZ H.  
ENGINEERING GEOLOGY, vol.97, pp.171-191, 2008 (SCI-Expanded)
- LXXVIII. **International earth science literature from Turkey - 1970-2005: Trends and possible causes**  
GÖKÇEOĞLU C., Okay A., SEZER E.  
SCIENTOMETRICS, vol.74, no.3, pp.409-423, 2008 (SCI-Expanded)
- LXXIX. **Extraction of potential debris source areas by logistic regression technique: a case study from Barla, Besparmak and Kapi mountains (NW Taurids, Turkey)**  
Tunusluoglu M. C., GÖKÇEOĞLU C., Nefeslioglu H. A., Sonmez H.  
ENVIRONMENTAL GEOLOGY, vol.54, no.1, pp.9-22, 2008 (SCI-Expanded)
- LXXX. **Prediction of uniaxial compressive strength of sandstones using petrography-based models**  
Zorlu K., GÖKÇEOĞLU C., Ocakoglu F., NEFESLIOGLU H. A., Acikalin S.  
ENGINEERING GEOLOGY, vol.96, pp.141-158, 2008 (SCI-Expanded)
- LXXXI. **Assessment of environmental and engineering geological problems for the possible re-use of an abandoned rock-hewn settlement in Urgup (Cappadocia), Turkey**  
Ulusay R., Gokceoglu C., TOPAL T., Sonmez H., Tuncay E., ERGULER Z. A., KASMER O.  
ENVIRONMENTAL GEOLOGY, vol.50, no.4, pp.473-494, 2006 (SCI-Expanded)
- LXXXII. **Indirect determination of weighted joint density (wjd) by empirical and fuzzy models: Supren (Eskisehir, Turkey) marbles**  
Nefeslioglu H. A., Gokceoglu C., SONMEZ H.  
ENGINEERING GEOLOGY, vol.85, pp.251-269, 2006 (SCI-Expanded)
- LXXXIII. **Estimating the uniaxial compressive strength of a volcanic bimrock**  
SONMEZ H., GOKCEOGLU C., MEDLEY E., Tuncay E., NEFESLIOGLU H. A.  
INTERNATIONAL JOURNAL OF ROCK MECHANICS AND MINING SCIENCES, vol.43, no.4, pp.554-561, 2006 (SCI-Expanded)
- LXXXIV. **Reply to Discussion by G. Kalkan and P. Gülkan on "Attenuation relationship based on Turkish strong motion data and iso-acceleration map of Turkey" by Ulusay et. al., Eng. Geol., 74: 265-291 (2004)**  
ULUSAY R., TUNCAY E., GÖKÇEOĞLU C., SÖNMEZ H.  
ENGINEERING GEOLOGY, vol.79, pp.291-292, 2005 (SCI-Expanded)
- LXXXV. **Use of fuzzy relations to produce landslide susceptibility map of a landslide prone area (West Black Sea Region, Turkey)**  
Ercanoglu M., GOKCEOGLU C.  
ENGINEERING GEOLOGY, vol.75, pp.229-250, 2004 (SCI-Expanded)
- LXXXVI. **An attenuation relationship based on Turkish strong motion data and iso-acceleration map of Turkey**  
ULUSAY R., Tuncay E., SONMEZ H., GOKCEOGLU C.  
ENGINEERING GEOLOGY, vol.74, pp.265-291, 2004 (SCI-Expanded)
- LXXXVII. **Models to predict the uniaxial compressive strength and the modulus of elasticity for Ankara Agglomerate**  
SONMEZ H., Tuncay E., GOKCEOGLU C.  
INTERNATIONAL JOURNAL OF ROCK MECHANICS AND MINING SCIENCES, vol.41, no.5, pp.717-729, 2004 (SCI-Expanded)
- LXXXVIII. **Landslide susceptibility zoning north of Yenice (NW Turkey) by multivariate statistical techniques**  
ERCANOGLU M., Gokceoglu C., VAN ASCH T.  
NATURAL HAZARDS, vol.32, no.1, pp.1-23, 2004 (SCI-Expanded)
- LXXXIX. **Predicting intact rock properties of selected sandstones using petrographic thin-section data**



ZORLU K., ULUSAY R., OCAKOGLU F., Gokceoglu C., SONMEZ H.

INTERNATIONAL JOURNAL OF ROCK MECHANICS AND MINING SCIENCES, vol.41, no.3, pp.370-371, 2004 (SCI-Expanded)

- XC. **A fuzzy model to predict the uniaxial compressive strength and the modulus of elasticity of a problematic rock**  
Gokceoglu C., ZORLU K.  
ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, vol.17, no.1, pp.61-72, 2004 (SCI-Expanded)
- XCI. **A neuro-fuzzy model for modulus of deformation of jointed rock masses**  
Gokceoglu C., YESILNACAR E., SONMEZ H., KAYABASI A.  
COMPUTERS AND GEOTECHNICS, vol.31, no.5, pp.375-383, 2004 (SCI-Expanded)
- XCII. **Predicting the deformation moduli of rock masses**  
Gokceoglu C., SONMEZ H., KAYABASI A.  
INTERNATIONAL JOURNAL OF ROCK MECHANICS AND MINING SCIENCES, vol.40, no.5, pp.701-710, 2003 (SCI-Expanded)
- XCIII. **An application of fuzzy sets to the Geological Strength Index (GSI) system used in rock engineering**  
SONMEZ H., Gokceoglu C., ULUSAY R.  
ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, vol.16, no.3, pp.251-269, 2003 (SCI-Expanded)
- XCIV. **A Mamdani model to predict the weighted joint density**  
NEFESLIOGLU H. A., Gokceoglu C., SONMEZ H.  
KNOWLEDGE-BASED INTELLIGENT INFORMATION AND ENGINEERING SYSTEMS, PT 1, PROCEEDINGS, vol.2773, pp.1052-1057, 2003 (SCI-Expanded)
- XCV. **Estimating the deformation modulus of rock masses: a comparative study**  
KAYABASI A., Gokceoglu C., ERCANOGLU M.  
INTERNATIONAL JOURNAL OF ROCK MECHANICS AND MINING SCIENCES, vol.40, no.1, pp.55-63, 2003 (SCI-Expanded)
- XCVI. **A fuzzy triangular chart to predict the uniaxial compressive strength of the Ankara agglomerates from their petrographic composition**  
Gokceoglu C.  
ENGINEERING GEOLOGY, vol.66, pp.39-51, 2002 (SCI-Expanded)
- XCVII. **Assessment of landslide susceptibility for a landslide-prone area (north of Yenice, NW Turkey) by fuzzy approach**  
ERCANOGLU M., Gokceoglu C.  
ENVIRONMENTAL GEOLOGY, vol.41, no.6, pp.720-730, 2002 (SCI-Expanded)
- XCVIII. **Dynamics of a complex mass movement triggered by heavy rainfall: a case study from NW Turkey**  
OCAKOGLU F., Gokceoglu C., ERCANOGLU M.  
GEOMORPHOLOGY, vol.42, pp.329-341, 2002 (SCI-Expanded)
- XCIX. **Draft ISRM suggested method for determining block punch strength index (BPI)**  
ULUSAY R., Gokceoglu C., SULUKCU S.  
INTERNATIONAL JOURNAL OF ROCK MECHANICS AND MINING SCIENCES, vol.38, no.8, pp.1113-1119, 2001 (SCI-Expanded)
- C. **Causes, mechanism and environmental impacts of instabilities at Himmetoglu coal mine and possible remedial measures**  
ULUSAY R., Gokceoglu C., SONMEZ H., TUNCAY E.  
ENVIRONMENTAL GEOLOGY, vol.40, no.6, pp.769-786, 2001 (SCI-Expanded)
- CI. **New approaches to the characterization of clay-bearing, densely jointed and weak rock masses**  
Gokceoglu C., AKSOY H. H.  
ENGINEERING GEOLOGY, vol.58, no.1, pp.1-23, 2000 (SCI-Expanded)
- CII. **Factors affecting the durability of selected weak and clay-bearing rocks from Turkey, with particular emphasis on the influence of the number of drying and wetting cycles**  
Gokceoglu C., ULUSAY R., SONMEZ H.  
ENGINEERING GEOLOGY, vol.57, pp.215-237, 2000 (SCI-Expanded)

- CIII. **Discontinuity controlled probabilistic slope failure risk maps of the Altindag (settlement) region in Turkey**  
Gokceoglu C., SONMEZ H., ERCANOGLU M.  
ENGINEERING GEOLOGY, vol.55, no.4, pp.277-296, 2000 (SCI-Expanded)
- CIV. **A practical procedure for the back analysis of slope failures in closely jointed rock masses**  
SONMEZ H., ULUSAY R., Gokceoglu C.  
INTERNATIONAL JOURNAL OF ROCK MECHANICS AND MINING SCIENCES, vol.35, no.2, pp.219-233, 1998 (SCI-Expanded)
- CV. **The modified block punch index test**  
ULUSAY R., Gokceoglu C.  
CANADIAN GEOTECHNICAL JOURNAL, vol.34, no.6, pp.991-1001, 1997 (SCI-Expanded)
- CVI. **Landslide susceptibility mapping of the slopes in the residual soils of the Mengen region (Turkey) by deterministic stability analyses and image processing techniques**  
Gokceoglu C., AKSOY H. H.  
ENGINEERING GEOLOGY, vol.44, pp.147-161, 1996 (SCI-Expanded)

### Articles Published in Other Journals

- I. **Performance Assessment of Deep Soil Mixing Columns Against Liquefaction Problem in a Railway Embankment**  
Can A., Celenk B., Mursal U., TUNAR ÖZCAN N., GÖKÇEOĞLU C.  
Indian Geotechnical Journal, 2024 (ESCI)
- II. **Tunneling problems in weak rock conditions under shallow overburden and comparison between full-face excavation and sequence excavation methods**  
Aygar E. B., Karahan S., GÖKÇEOĞLU C.  
Geomechanics and Geoengineering, 2024 (ESCI)
- III. **Importance of grouting for tunneling in karstic and complex environment (a case study from Türkiye)**  
Tacim G., Posluk E., GÖKÇEOĞLU C.  
International Journal of Geo-Engineering, vol.14, no.1, 2023 (Scopus)
- IV. **An Assessment of the Epicenter Location and Surroundings of the 24 January 2020 Sivrice Earthquake, SE Türkiye**  
YÜRÜR M. T., KOCAMAN GÖKÇEOĞLU S., TAVUS B., GÖKÇEOĞLU C.  
Earth (Switzerland), vol.4, no.4, pp.806-822, 2023 (Scopus)
- V. **Analytical and Numerical Analyses of the Support System for a Large-span Tunnel in Challenging and Seismically Active Ground Conditions**  
Aygar E. B., Karahan S., Gullu S., GÖKÇEOĞLU C.  
TRANSPORTATION INFRASTRUCTURE GEOTECHNOLOGY, vol.10, no.6, pp.988-1031, 2023 (ESCI)
- VI. **Modeling of Tunnel Boring Machine Performance Employing Random Forest Algorithm**  
GÖKÇEOĞLU C., Bal C., ALADAĞ Ç. H.  
Geotechnical and Geological Engineering, vol.41, no.7, pp.4205-4231, 2023 (ESCI)
- VII. **Stability assessments of a triple-tunnel portal with numerical analysis (south of Turkey)**  
Can A., Baskose Y., GÖKÇEOĞLU C.  
GEOTECHNICAL RESEARCH, vol.9, no.2, pp.116-128, 2022 (ESCI)
- VIII. **Assessment of rate of penetration of a tunnel boring machine in the longest railway tunnel of Turkey**  
GÖKÇEOĞLU C.  
SN APPLIED SCIENCES, vol.4, no.1, 2022 (ESCI)
- IX. **Analytical solutions and 3D numerical analyses of a shallow tunnel excavated in weak ground: a case from Turkey**

Aygar E. B., GÖKÇEOĞLU C.

INTERNATIONAL JOURNAL OF GEO-ENGINEERING, vol.12, no.1, 2021 (ESCI)

- X. **An assessment on the inner lining need for a large-span tunnel (a case from Turkey, Akyazi Tunnel, Trabzon)**  
Aygar E. B., GÖKÇEOĞLU C.  
SN APPLIED SCIENCES, vol.3, no.4, 2021 (ESCI)
- XI. **Değiştirilmiş AHP (M-AHP) Yöntemi Kullanılarak Ankara İçin Taşkın Duyarlılık Haritası Üretimi**  
sözer b., KOCAMAN S., NEFESLİOĞLU H. A., Fırat O., GÖKÇEOĞLU C.  
Harita Dergisi, no.162, pp.12-24, 2019 (Peer-Reviewed Journal)
- XII. **Relationships between volumetric block proportions and overall UCS of a volcanic Bimrock**  
SÖNMEZ H., GÖKÇEOĞLU C., TUNCAY E., MEDLEY E. W., NEFESLİOĞLU H. A.  
FELSBAURock and Soil Engineering - Journal for Engineering Geology, Geomechanics and Tunnelling, vol.5, pp.27-34, 2004 (Peer-Reviewed Journal)
- XIII. **Variation of some physical and mechanical parameters of the volcanosedimentary rocks around Eskisehir-Yazilikaya under freezing-thawing effect Eskisehir-Yazilikaya çevresinde yuzeylenen volkanosedimanter kayaclarin donma-cozulme etkisi altinda bazi fiziksel ve mekanik parametrelerinin degisimi**  
Binal A., KASAPOGLU K., GOKCEOGLU C.  
Yerbilimleri, no.20, pp.41-54, 1998 (Scopus)
- XIV. **Eskişehir Yazılıkaya Çevresinde Yüzeyleyen Volkanosedimanter Kayaçların Donma Çözülme Etkisi Altında Bazı Fiziksel Ve Mekanik Parametrelerinin Değişimi**  
BİNAL A., KASAPOĞLU K. E., GÖKÇEOĞLU C.  
Yerbilimleri, vol.20, pp.41-54, 1998 (Peer-Reviewed Journal)
- XV. **The surficial physical deterioration behaviour of Neogene volcano sedimentary rocks of Eskisehir-Yazilikaya, NW-Turkey**  
BİNAL A., Kasapoglu K., GÖKÇEOĞLU C.  
Engineering geology and the environment. Proc. symposium, Athens, 1997. Vol.3, pp.3065-3069, 1997 (Scopus)

## Books & Book Chapters

- I. **Kaya Mekaniği Laboratuvar Deneyleri Rock Mechanics Laboratory Experiments**  
ULUSAY R., GÖKÇEOĞLU C., BİNAL A.  
Jeoloji Mühendisleri Odası Yayını, Ankara, 2011

## Refereed Congress / Symposium Publications in Proceedings

- I. **Analysis of a High Railway Slope Formed By Highly Jointed Rock Mass**  
Can A., Baskose Y., GÖKÇEOĞLU C.  
8th World Congress on Civil, Structural, and Environmental Engineering, CSEE 2023, Virtual, Online, 29 - 31 March 2023
- II. **A TBM Application in Shallow and Weak Ground Conditions (Ankara-Izmir High-Speed Railway Construction Project, Türkiye)**  
Karahan S., Yilmaz O., Karsli Y., GÖKÇEOĞLU C.  
57th US Rock Mechanics/Geomechanics Symposium, Georgia, United States Of America, 25 - 28 June 2023
- III. **Assessment of flooded areas caused by a dam break (Sardoba Dam, Uzbekistan)**  
TAVUS B., KOCAMAN GÖKÇEOĞLU S., GÖKÇEOĞLU C.  
2021 24th ISPRS Congress Commission III: Imaging Today, Foreseeing Tomorrow, Nice, France, 5 - 09 July 2021, vol.43, pp.291-297
- IV. **IceSat-2 Uydu Verilerinden Elde Edilen Nokta Bulutu Verilerinden Kar Kalınlığı Belirleme**

## **Potansiyelinin Analizi**

Şahin B., Çetinkaya S., Özcan K., Ok A. Ö., Kocaman S., Gökçeoğlu C.

4th International Symposium on Natural Hazards and Disaster Management (ISHAD2020), Bursa, Turkey, 24 October 2020, vol.3, pp.850-859

- V. **A fusion approach for flood mapping using sentinel-1 and sentinel-2 datasets**  
TAVUS B., KOCAMAN GÖKÇEOĞLU S., Nefeslioglu H., GÖKÇEOĞLU C.  
2020 24th ISPRS Congress - Technical Commission III, Nice, Virtual, France, 31 August - 02 September 2020, vol.43, pp.641-648
- VI. **PRODUCTION of ISO-INTENSITY MAP for the ELAZIG EARTHQUAKE (JAN 24, 2020) USING CITIZEN COLLECTED GEODATA**  
Yalcin İ., KOCAMAN GÖKÇEOĞLU S., GÖKÇEOĞLU C.  
2020 24th ISPRS Congress - Technical Commission V (TC-V) on Education and Outreach - Youth Forum, Nice, Virtual, France, 31 August - 02 September 2020, vol.43, pp.51-56
- VII. **Flood Mapping Using Sentinel-1 SAR Data: A Case Study of Ordu 8 August 2018 Flood**  
TAVUS B., KOCAMAN S., NEFESLİOĞLU H. A., GÖKÇEOĞLU C.  
TUFUAB 2019, 25 - 27 April 2019
- VIII. **PRELIMINARY INVESTIGATIONS ON FLOOD SUSCEPTIBILITY MAPPING IN ANKARA (TURKEY) USING MODIFIED ANALYTICAL HIERARCHY PROCESS (M-AHP)**  
sözer b., KOCAMAN S., NEFESLİOĞLU H. A., firat o., GÖKÇEOĞLU C.  
ISPRS TCV Symposium, 20 - 23 November 2018, vol.5, pp.361-365
- IX. **CONSIDERATIONS ON THE USE OF SENTINEL-1 DATA IN FLOOD MAPPING IN URBAN AREAS: ANKARA (TURKEY) 2018 FLOODS**  
TAVUS B., KOCAMAN S., GÖKÇEOĞLU C., NEFESLİOĞLU H. A.  
ISPRS TCV Symposium, 20 - 23 November 2018, vol.5, pp.575-581
- X. **Expert-based landslide susceptibility modelling by using hierarchical fuzzy systems (HFS): an investigation from central part of Rif Mountains (Morocco)**  
ÖZER B. C., MUTLU B., NEFESLİOĞLU H. A., SEZER E., ROUAI M., Dekayir A., GÖKÇEOĞLU C.  
European Geosciences Union General Assembly, Viyana, Austria, 4 - 13 April 2018
- XI. **Landslide susceptibility mapping by using logistic regression LR and Artificial Neural Networks ANN the eastern part of the Gallipoli Peninsula Turkey**  
DAĞDELENLER G., NEFESLİOĞLU H. A., GÖKÇEOĞLU C.  
World Multidisciplinary Earth Symposium (WMES) 2016, Prag, Czech Republic, 5 - 09 September 2016
- XII. **A comprehensive approach for medium scale landslide risk assessment**  
KEÇELİ A. S., NEFESLİOĞLU H. A., SEZER E., GÖKÇEOĞLU C.  
The 17th Annual Conference of the International Association for Mathematical Geosciences, 5 - 13 October 2015
- XIII. **A Decision Support System Suggestion for the Optimum Railway Route Selection**  
GÖKÇEOĞLU C., NEFESLİOĞLU H. A., Tanyildiz N.  
12th International IAEG Congress, Torino, Italy, 15 - 19 September 2014, pp.331-334
- XIV. **Preparation of Geological Data Standards of Turkey Based on INSPIRE Directives**  
GÖKÇEOĞLU C., BİNAL A., NEFESLİOĞLU H. A., TÜN M., PEKKAN E., AVDAN U.  
INFRASTRUCTURE FOR SPATIAL INFORMATION IN THE EUROPEAN COMMUNITY 2014, Denmark, 16 - 20 June 2014
- XV. **Remote Sensing Data Derived Parameters and Its Use in Landslide Susceptibility Assessment using Shannon's Entropy and GIS**  
Pourghasemi H. R., Pradhan B., GÖKÇEOĞLU C.  
AEROTECH 4 - Conference on Recent Advances in Aerospace Technologies, Kuala-Lumpur, Malaysia, 21 - 22 November 2012, vol.225, pp.486-489
- XVI. **ANFIS modeling for estimation of uniaxial compressive strength of some granitic rocks from their mineral content**  
GÜLTEKİN N., SEZER E., GÖKÇEOĞLU C., BAYHAN H.  
FUZZYSS'2011: 2nd International Fuzzy Systems Symposium, Ankara, Turkey, 17 - 18 November 2011

- XVII. **Determination of the Shore Edge Line at Kundu (Antalya, Turkey)**  
GÖKÇEOĞLU C., Nefeslioglu H. A., AKGÜN A., TÜRER D., Temimhan M.  
10th International Conference on the Mediterranean Coastal Environment, Rhodes, Greece, 25 - 29 October 2011, pp.221-223
- XVIII. **Use of nonlinear prediction tool to estimate uniaxial compressive strength and modulus of elasticity of some granitic rocks**  
GÜLTEKİN N., SEZER E., GÖKÇEOĞLU C.  
EGU General Assembly 2010, Viyana, Austria, 2 - 07 May 2010
- XIX. **An Experimental Study on the Min-Image Production for Determination of Mineral Percentages**  
GÖKÇEOĞLU C., GÜLTEKİN N., KEÇELİ A. S., SEZER E., CAN A. B., BAYHAN H.  
EGU General Assembly 2012, Viyana, Austria, 22 - 27 April 2012
- XX. **Prediction of the collapse index by a Mamdani fuzzy inference system**  
Zorlu K., GÖKÇEOĞLU C.  
12th International Conference on Knowledge-Based Intelligent Information and Engineering Systems, Zagreb, Croatia, 3 - 05 September 2008, vol.5177, pp.74-76
- XXI. **Eğirdir (Isparta) Yerleşim Merkezi İçin Kaya Düşmesi Tehlikesinin Değerlendirilmesi ve Haritalanması**  
GÜLTEKİN N., GÖKÇEOĞLU C., SÖNMEZ H.  
ERDOĞAN YÜZER MÜHENDİSLİK JEOLJİSİ SEMPOZYUMU, İstanbul, Turkey, 6 - 07 September 2007
- XXII. **Eğirdir (Isparta) Yerleşim Merkezi İçin Farklı Kütle Hareketlerinin Değerlendirilmesi ve Haritalanması**  
GÜLTEKİN N., GÖKÇEOĞLU C., SÖNMEZ H.  
60. Türkiye Jeoloji Kurultayı, Ankara, Turkey, 16 - 22 April 2007
- XXIII. **Heuristic geological hazard potential mapping of Egirdir (Isparta, SW Turkey) settlement area**  
GÜLTEKİN N., GÖKÇEOĞLU C., SÖNMEZ H.  
European Geosciences Union General Assembly 2006, Viyana, Austria, 2 - 07 April 2006
- XXIV. **Türkiye için azalım ilişkisi ve eş-ivme haritası önerisi**  
Ulusay R., Tuncay E., Sönmez H., Gökçeoğlu C.  
59. Türkiye Jeoloji Kurultayı, Ankara, Turkey, 20 March 2006, vol.1, pp.374-375
- XXV. **Suggested empirical equations for estimating modulus of elasticity of intact rock**  
SÖNMEZ H., GÖKÇEOĞLU C., KASAPOĞLU K. E., TUNCAY E.  
International Symposium of the International-Society-for-Rock-Mechanics, Brno, Czech Republic, 18 May - 20 August 2005, pp.563-571
- XXVI. **Kaya malzemesinin elastisite modülünün kestirimi için görgül bir eşitlik**  
SÖNMEZ H., GÖKÇEOĞLU C., KASAPOĞLU K. E., TUNCAY E., Zorlu K.  
KAYAMEK'2004, VII. Bölgesel Kaya Mekanikliği Sempozyumu, Sivas, Turkey, 21 October 2004, vol.1, pp.93-99
- XXVII. **Mechanism and activity of a complex landslide**  
Kayabaşı A., SONMEZ H., GÖKÇEOĞLU C., Tonoz M. C., TUNCAY E., NEFESLIOĞLU H. A.  
5th International Symposium on Eastern Mediterranean Geology, Selanik, Greece, 14 April 2004, vol.2, pp.715-718
- XXVIII. **A Mamdani model to predict the weighted joint density**  
NEFESLİOĞLU H. A., GÖKÇEOĞLU C., SÖNMEZ H.  
7th International Conference on Knowledge-Based Intelligent Information and Engineering Systems (KES 2003), 3 - 05 September 2003, vol.2773, pp.1052-1057
- XXIX. **Assessment of slope deformations and redesign studies at Himmetoglu open pit, Turkey**  
ULUSAY R., Gokceoglu C., SONMEZ H., TUNCAY E.  
ISRM Reg EUROCK Symposium on Rock Mechanics, Espoo, Finland, 4 - 07 June 2001, pp.873-878
- XXX. **Şevlerde aktif-pasif kama duraysızlık mekanizmasının geriye dönük analiz ve izleme teknikleriyle araştırılması**  
ULUSAY R., GÖKÇEOĞLU C., SONMEZ H., TUNCAY E.  
Türkiye 3. Ulusal Heyelan Sempozyumu, Adana, Turkey, 13 May 1999, vol.1, pp.20
- XXXI. **Prediction of uniaxial compressive strength of Ankara agglomerates from their petrographical**

### **composition**

Gokceoglu C., KASAPOGLU K., SONMEZ H.

8th International Congress of the International-Association-for-Engineering-Geology-and-the-Environment,  
Vancouver, Canada, 21 - 25 September 1998, pp.455-459

XXXII. **The surficial physical deterioration behaviour of neogene volcano sedimentary rocks of Eskisehir-Yazilikaya, NW-Turkey**

Binal A., KASAPOGLU K., GOKCEOGLU C.

International Symposium on Engineering Geology and the Environment, Athens, Greece, 23 - 27 June 1997,  
pp.3065-3069

### **Supported Projects**

GÖKÇEOĞLU C., Project Supported by Higher Education Institutions, 17 Uluslararası Matematiksel Yerbilimleri Birliği Yıllık Konferansı, 2015 - 2015

GÖKÇEOĞLU C., Project Supported by Other Private Institutions, Çayeli Bakır İşletmeleri Heyelanlarının İncelenmesi, 2013 - 2015

### **Metrics**

Publication: 158

Citation (WoS): 5765

Citation (Scopus): 5150

H-Index (WoS): 41

H-Index (Scopus): 39

### **Non Academic Experience**

Hacettepe Üniversitesi

Hacettepe Üniversitesi

Hacettepe Üniversitesi

Hacettepe Üniversitesi

Sial Yerbilimleri Mühendislik Şirketi