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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

TÜRER D., GÖKÇEOĞLU C., Kırka (Eskişehir) Bor İşletmesi'nin toprak ve sular üzerindeki çevresel etkilerinin incelenmesi, Doctorate, M.TANJU(Student), 2016

GÖKÇEOĞLU C., Manisa devlet hastanesi zemininin iyileştirilmesi ve iki farklı yöntemin performansının karşılaştırılması, Postgraduate, Y.BAŞKÖSE(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. **Impact assessment of geohazards triggered by 6 February 2023 Kahramanmaraş Earthquakes (Mw 7.7 and Mw 7.6) on the natural gas pipelines**
Unal E. O., KOCAMAN GÖKÇEOĞLU S., GÖKÇEOĞLU C.
Engineering Geology, vol.334, 2024 (SCI-Expanded)
- II. **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)
- III. **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., Karakas V. E., Can R., GÖKÇEOĞLU C., KOCAMAN GÖKÇEOĞLU S.
Soil Dynamics and Earthquake Engineering, vol.178, 2024 (SCI-Expanded)
- IV. **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)
- V. **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)
- VI. **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)
- VII. **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)

- VIII. **A Hybrid Multi-Hazard Susceptibility Assessment Model for a Basin in Elazig Province, Türkiye**
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- IX. **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.
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- X. **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)
- 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. **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)
- 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. **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)
- XV. **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)
- XVI. **A novel integrated approach of ELM and modified equilibrium optimizer for predicting soil compression index of subgrade layer of Dedicated Freight Corridor**
Bardhan A., GuhaRay A., Gupta S., Pradhan B., GÖKÇEOĞLU C.
TRANSPORTATION GEOTECHNICS, vol.32, 2022 (SCI-Expanded)
- XVII. **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.
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- XVIII. **Derivation of earthquake-induced landslide distribution using aerial photogrammetry: the January 24, 2020, Elazig (Turkey) earthquake**
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LANDSLIDES, vol.18, no.6, pp.2193-2209, 2021 (SCI-Expanded)
- XIX. **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.
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- XX. **Use of multisensor and multitemporal geospatial datasets to extract the foundation characteristics of a large building: a case study**
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- XXI. **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)
- XXII. **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)
- XXIII. **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)
- XXIV. **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)
- 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.
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- XXVI. **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.
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- XXVII. **An Experimental Research on the Use of Recurrent Neural Networks in Landslide Susceptibility Mapping**
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- XXVIII. **An Assessment on Permeability and Grout Take of Limestone: A Case Study at Mut Dam, Karaman, Turkey**
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- XXIX. **Landslide susceptibility mapping of the Mediterranean coastal zone of Morocco between Oued Laou and El Jebha using artificial neural networks (ANN)**
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- XXX. **A Novel Performance Assessment Approach Using Photogrammetric Techniques for Landslide Susceptibility Mapping with Logistic Regression, ANN and Random Forest**
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- XXXI. **A Convolutional Neural Network Architecture for Auto-Detection of Landslide Photographs to Assess Citizen Science and Volunteered Geographic Information Data Quality**
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- XXXII. **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.
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- XXXIII. **A CitSci app for landslide data collection**
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- XXXIV. **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)
- XXXV. **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)
- XXXVI. **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)
- XXXVII. **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)
- XXXVIII. **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.
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- XXXIX. **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.
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- XL. **Preface of special issue on probabilistic and soft computing methods for engineering geology**
Li D., Zhang J., Phoon K., GÖKÇEOĞLU C.
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- XLI. **Engineering geology - A fifty year perspective**
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- XLII. **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.
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- XLIII. **A simple regression based approach to estimate deformation modulus of rock masses**
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- XLV. **Determination of coastal border line: an integrated approach for a part of Antalya coast (Turkey)**
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- XLVI. **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.
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- XLVII. **Prediction of Earthquake Hazard by Hidden Markov Model (around Bilecik, NW Turkey)**
CAN C. E., Ergun G., GÖKÇEOĞLU C.
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- XLVIII. **A modified analytical hierarchy process (M-AHP) approach for decision support systems in natural**

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- XLIX. **Prediction of uniaxial compressive strength of granitic rocks by various nonlinear tools and comparison of their performances**
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- L. **Influence of seismic acceleration on landslide susceptibility maps: a case study from NE Turkey (the Kelkit Valley)**
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- LI. **Knowledge-based and data-driven fuzzy modeling for rockburst prediction**
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- LII. **Application of weights-of-evidence and certainty factor models and their comparison in landslide susceptibility mapping at Haraz watershed, Iran**
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- LIII. **Landslide susceptibility mapping using support vector machine and GIS at the Golestan Province, Iran**
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- LIV. **Preface for the special issue "FUZZYSS11: 2nd International Fuzzy Systems Symposium"**
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- LV. **A comparative assessment of prediction capabilities of Dempster-Shafer and Weights-of-evidence models in landslide susceptibility mapping using GIS**
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- LVI. **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.
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- LVII. **Application of fuzzy logic and analytical hierarchy process (AHP) to landslide susceptibility mapping at Haraz watershed, Iran**
Pourghasemi H. R., Pradhan B., GÖKÇEOĞLU C.
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- LVIII. **Some applications of Adaptive Neuro-Fuzzy Inference System (ANFIS) in geotechnical engineering**
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- LIX. **An assessment on the use of Terra ASTER L3A data in landslide susceptibility mapping**
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- LX. **FUZZYSS'2011: 2nd International Fuzzy Systems Symposium 17-18 November 2011, Ankara, Turkey**
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- LXI. **An easy-to-use MATLAB program (MamLand) for the assessment of landslide susceptibility using a Mamdani fuzzy algorithm**
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- COMPUTERS & GEOSCIENCES, vol.38, no.1, pp.23-34, 2012 (SCI-Expanded)
- LXII. **Medium-scale hazard mapping for shallow landslide initiation: the Buyukkoy catchment area (Cayeli, Rize, Turkey)**
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- LXIII. **Manifestation of an adaptive neuro-fuzzy model on landslide susceptibility mapping: Klang valley, Malaysia**
SEZER E., Pradhan B., GÖKÇEOĞLU C.
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- LXIV. **Some non-linear models to predict the weathering degrees of a granitic rock from physical and mechanical parameters**
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- LXV. **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.
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- LXVI. **Modeling of the uniaxial compressive strength of some clay-bearing rocks using neural network**
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- LXVII. **Probabilistic Risk Assessment in Medium Scale for Rainfall-Induced Earthflows: Catakli Catchment Area (Cayeli, Rize, Turkey)**
Nefeslioglu H. A., GÖKÇEOĞLU C.
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- LXVIII. **Landslide Susceptibility Mapping by Neuro-Fuzzy Approach in a Landslide-Prone Area (Cameron Highlands, Malaysia)**
Pradhan B., SEZER E., GÖKÇEOĞLU C., Buchroithner M. F.
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Supported Projects

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

Metrics

Publication: 160

Citation (WoS): 5765

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H-Index (WoS): 41

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Non Academic Experience

Hacettepe Üniversitesi

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Sial Yerbilimleri Mühendislik Şirketi