

Prof. Dr. CANDAN GÖKÇEOĞLU

Kişisel Bilgiler

İş Telefonu: [+90 312 297 7735](tel:+903122977735)

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

E-posta: cgokce@hacettepe.edu.tr

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

Posta Adresi: JEOLOJİ MÜHENDİSLİĞİ BÖLÜMÜ BEYTEPE

Uluslararası Araştırmacı ID'leri

ORCID: 0000-0003-4762-9933

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

ScopusID: 35552191500

Yoksis Araştırmacı ID: 5873

Eğitim Bilgileri

Doktora, Hacettepe Üniversitesi, Jeoloji Mühendisliği, Türkiye 1993 - 1997

Lisans, Hacettepe Üniversitesi, Mühendislik Fakültesi, Jeoloji (Hidrojeoloji), Türkiye 1984 - 1989

Yabancı Diller

İngilizce, B2 Orta Üstü

Araştırma Alanları

Jeoloji Mühendisliği, Uygulamalı Jeoloji, Mühendislik Jeolojisi (Temel, Deprem, Baraj, Gölet), Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Prof. Dr., Hacettepe Üniversitesi, Mühendislik Fakültesi, Jeoloji Mühendisliği Bölümü, 2009 - Devam Ediyor

Doç. Dr., Hacettepe Üniversitesi, Mühendislik Fakültesi, Jeoloji Mühendisliği Bölümü, 2003 - 2009

Yrd. Doç. Dr., Hacettepe Üniversitesi, Mühendislik Fakültesi, Jeoloji Mühendisliği Bölümü, 1998 - 2003

Araştırma Görevlisi, Hacettepe Üniversitesi, Mühendislik Fakültesi, Jeoloji Mühendisliği Bölümü, 1989 - 1998

Akademik İdari Deneyim

Hacettepe Üniversitesi, Mühendislik Fakültesi, Jeoloji Mühendisliği Bölümü, 2012 - Devam Ediyor

Yönetilen Tezler

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- I. **Impact assessment of geohazards triggered by 6 February 2023 Kahramanmaraş Earthquakes (Mw 7.7 and Mw 7.6) on the natural gas pipelines**
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- II. **Case study of a foundation failure induced by cyclic softening of clay during the 2023 Kahramanmaraş earthquakes**
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- III. **Analysis of landslide susceptibility prediction accuracy with an event-based inventory: The 6 February 2023 Türkiye earthquakes**
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- IV. **Modeling Shallow Landslide Runout Distance in Eocene Flysch Facies Using Empirical–Statistical Models (Western Black Sea Region of Türkiye)**
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- V. **Performance Comparison of Landslide Susceptibility Maps Derived from Logistic Regression and Random Forest Models in the Bolaman Basin, Türkiye**
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- 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)**
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- VII. **A Novel Approach for Assessing the Performance of Offshore Ground Improvement in Floating Storage and Regasification Unit (FSRU) Terminal Construction**
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- 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**
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- X. **A Comparative Analysis of Hybrid Computational Models Constructed with Swarm Intelligence Algorithms for Estimating Soil Compression Index**
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- XI. **Assessment of interaction between a waste storage dam and instability in downstream right-side slope by 3D numerical analyses**
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- XII. **Flood damage assessment with Sentinel-1 and Sentinel-2 data after Sardoba dam break with GLCM features and Random Forest method**
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- 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**
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- XIV. **A Comparison Among Some Non-linear Prediction Tools on Indirect Determination of Uniaxial Compressive Strength and Modulus of Elasticity of Basalt**
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- XV. **An assessment on the correlations between uniaxial compression strength and point load index**
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- XVI. **A novel integrated approach of ELM and modified equilibrium optimizer for predicting soil compression index of subgrade layer of Dedicated Freight Corridor**
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- XVII. **Efficient computational techniques for predicting the California bearing ratio of soil in soaked conditions**
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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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- XIX. **A Comprehensive Assessment of XGBoost Algorithm for Landslide Susceptibility Mapping in the Upper Basin of Ataturk Dam, Turkey**
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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**

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Aygar E. B., GÖKÇEOĞLU C.

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- XXII. **A CitSci Approach for Rapid Earthquake Intensity Mapping: A Case Study from Istanbul (Turkey)**
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- XXIII. **Problems Encountered during a Railway Tunnel Excavation in Squeezing and Swelling Materials and Possible Engineering Measures: A Case Study from Turkey**
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- XXIV. **Use of Mamdani Fuzzy Algorithm for Multi-Hazard Susceptibility Assessment in a Developing Urban Settlement (Mamak, Ankara, Turkey)**
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- 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)**
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- XXVII. **An Experimental Research on the Use of Recurrent Neural Networks in Landslide Susceptibility Mapping**
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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)**
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- XXXV. **Combination of discontinuity characteristics and GIS for regional assessment of natural rock slopes in a mountainous area (NE Turkey)**
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- 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**
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- XXXVII. **Bayesian prediction of TBM penetration rate in rock mass**
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- XXXVIII. **Safety assessment of limestone-based engineering structures to be partially flooded by dam water: A case study from northeastern Turkey**
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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)**
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- XL. **Preface of special issue on probabilistic and soft computing methods for engineering geology**
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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)**
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- XLIII. **A simple regression based approach to estimate deformation modulus of rock masses**
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- XLIV. **Use of non-linear prediction tools to assess rock mass permeability using various discontinuity parameters**
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- XLV. **Determination of coastal border line: an integrated approach for a part of Antalya coast (Turkey)**
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- XLVII. **Prediction of Earthquake Hazard by Hidden Markov Model (around Bilecik, NW Turkey)**
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- XLVIII. **A modified analytical hierarchy process (M-AHP) approach for decision support systems in natural hazard assessments**
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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**
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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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- LXII. **Medium-scale hazard mapping for shallow landslide initiation: the Buyukkoy catchment area (Cayeli,**

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- LXIII. **Manifestation of an adaptive neuro-fuzzy model on landslide susceptibility mapping: Klang valley, Malaysia**
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- LXV. **Landform effect on rockfall and hazard mapping in Cappadocia (Turkey)**
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