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Education Information

Doctorate, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Jeoloji Mühendisliği Anabilim Dalı, Turkey 2003 - 2008

Post Graduate, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Jeoloji Mühendisliği Anabilim Dalı, Turkey 2000 - 2003

Under Graduate, Hacettepe Üniversitesi, Mühendislik Fakültesi, Jeoloji Mühendisliği Bölümü, Turkey 1994 - 2000

Under Graduate, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Jeoloji Mühendisliği Anabilim Dalı, Turkey 1994 - 2000

Foreign Languages

English, B2 Upper Intermediate

Research Areas

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

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **The use of landslide hazard maps to determine mitigation priorities in a dam reservoir and its protection area**
NEFESLİOĞLU H. A. , Görüm T.
LAND USE POLICY, vol.91, 2020 (Journal Indexed in SSCI)
- II. **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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- III. **An Experimental Research on the Use of Recurrent Neural Networks in Landslide Susceptibility Mapping**
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ISPRS INTERNATIONAL JOURNAL OF GEO-INFORMATION, vol.8, 2019 (Journal Indexed in SCI)
- IV. **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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- V. **Mapping of shallow landslides with object-based image analysis from unmanned aerial vehicle data**
Comert R., Avdan U., Görüm T., NEFESLİOĞLU H. A.
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- VI. **A Novel Performance Assessment Approach Using Photogrammetric Techniques for Landslide Susceptibility Mapping with Logistic Regression, ANN and Random Forest**

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- VIII. **An expert-based landslide susceptibility mapping (LSM) module developed for Netcad Architect Software**
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- IX. **A fuzzy classification routine for fine-grained soils**
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- X. **Safety assessment of limestone-based engineering structures to be partially flooded by dam water: A case study from northeastern Turkey**
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- XI. **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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- XII. **Determination of coastal border line: an integrated approach for a part of Antalya coast (Turkey)**
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- XIII. **An assessment on producing synthetic samples by fuzzy C-means for limited number of data in prediction models**
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- XIV. **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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- XV. **A modified analytical hierarchy process (M-AHP) approach for decision support systems in natural hazard assessments**
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- XVI. **Influence of seismic acceleration on landslide susceptibility maps: a case study from NE Turkey (the Kelkit Valley)**
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- XVII. **Evaluation of geo-mechanical properties of very weak and weak rock materials by using non-destructive techniques: Ultrasonic pulse velocity measurements and reflectance spectroscopy**
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- XVIII. **An assessment on the use of Terra ASTER L3A data in landslide susceptibility mapping**
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- XIX. **An easy-to-use MATLAB program (MamLand) for the assessment of landslide susceptibility using a Mamdani fuzzy algorithm**
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- XX. **Medium-scale hazard mapping for shallow landslide initiation: the Buyukkoy catchment area (Cayeli, Rize, Turkey)**
Nefeslioglu H. A. , GÖKÇEOĞLU C., SÖNMEZ H., Gorum T.
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- XXI. **Landform effect on rockfall and hazard mapping in Cappadocia (Turkey)**
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- XXIV. **A comparative study on indirect determination of degree of weathering of granites from some physical and strength parameters by two soft computing techniques**
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- XXV. **Assessment of geo-environmental problems of the Zonguldak province (NW Turkey)**
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- XXVI. **Implementation of reconstructed geomorphologic units in landslide susceptibility mapping: the Melen Gorge (NW Turkey)**
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- XXVII. **An assessment on the use of logistic regression and artificial neural networks with different sampling strategies for the preparation of landslide susceptibility maps**
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- XXVIII. **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.
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- XXIX. **Landslide susceptibility mapping for a part of tectonic Kelkit Valley (Eastern Black Sea region of Turkey)**
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- XXX. **Prediction of uniaxial compressive strength of sandstones using petrography-based models**
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- XXXI. **Back-analysis of the source of the 1956 Eskisehir Earthquake using attenuation equation and damage data**
Ocakoglu F., Acikalin S., Gokceoglu C., Nefeslioglu H. A. , Sonmez H.
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- XXXII. **An artificial neural network application to produce debris source areas of Barla, Besparmak, and Kapi Mountains (NW Taurids, Turkey)**
Tunusluoglu M. C. , Gokceoglu C., Sonmez H., Nefeslioglu H. A.
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- XXXIII. **Application of logistic regression for landslide susceptibility zoning of Cekmece Area, Istanbul, Turkey**
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ENVIRONMENTAL GEOLOGY, vol.51, pp.241-256, 2006 (Journal Indexed in SCI)
- XXXIV. **Indirect determination of weighted joint density (wjd) by empirical and fuzzy models: Supren (Eskisehir, Turkey) marbles**
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- XXXV. **Estimating the uniaxial compressive strength of a volcanic bimrock**
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- XXXVI. **Estimation of rock modulus: For intact rocks with an artificial neural network and for rock masses with a new empirical equation**
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- XXXVII. **Susceptibility assessments of shallow earthflows triggered by heavy rainfall at three catchments by logistic regression analyses**
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- XXXVIII. **The 17 March 2005 Kuzulu landslide (Sivas, Turkey) and landslide-susceptibility map of its near vicinity**
Gokceoglu C., Sonmez H., Nefeslioglu H. A. , Duman T., Can T.
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- XXXIX. **Determination of wjd on rock exposures including wide spaced joints**
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- XL. **An approach to determine the weathering characteristics of discontinuities**
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- XLI. **A Mamdani model to predict the weighted joint density**
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Refereed Congress / Symposium Publications in Proceedings

- I. **Consequences of Structural Differences Between Hierarchical Systems While Fuzzy Inference**
Mutlu B., SEZER E., NEFESLİOĞLU H. A.
13th International Work-Conference on Artificial Neural Networks (IWANN), Palma de Mallorca, Spain, 10 - 12 June 2015, vol.9094, pp.549-560
- II. **A Decision Support System Suggestion for the Optimum Railway Route Selection**
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III. 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

IV. Mechanism and activity of a complex landslide

Kayabaşı A., SONMEZ H., GÖKÇEOĞLU C., Tonoç M. C. , TUNCAY E., NEFESLIOGLU H. A.

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V. Change detection of structures in the earthquake hazard zoning map of Eskisehir city, Turkey, by using satellite images

Nefeslioglu H. A. , Tun M., Ayday C., Goktan R.

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Citations

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