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Education Information

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

Under Graduate, Hacettepe Üniversitesi, 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 Üniversitesi, Mühendislik Fakültesi, Jeoloji Mühendisliği Bölümü, 2009 - Continues

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

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

Research Assistant, Hacettepe Üniversitesi, 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), Post Graduate, B.CEM(Student), 2017

GÖKÇEOĞLU C., Manisa devlet hastanesi zemininin iyileştirilmesi ve iki farklı yöntemin performansının karşılaştırılması, Post Graduate, 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, Post Graduate, K.TOKGÖZOĞLU(Student), 2014
SEZER E., GÖKÇEOĞLU C., 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, Post Graduate, 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 değerlendirmesi ve haritalaması, Post Graduate, N.YEŞİLOĞLU(Student), 2006
GÖKÇEOĞLU C., Kangal (Sivas) linyit açık işletmesindeki toprak harmanlarının duraylılığını denetleyen faktörlerin araştırılması ve döküm şevlerinin tasarımı, Post Graduate, Ö.KAŞMER(Student), 2004

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

- I. **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 (Journal Indexed in SCI)
- II. **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 (Journal Indexed in SCI)
- III. **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, 2021 (Journal Indexed in SCI)
- IV. **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, 2021 (Journal Indexed in SCI)
- V. **A special support design for a large-span tunnel crossing an active fault (T9 Tunnel, Ankara-Sivas High-Speed Railway Project, Turkey)**
Aygaz E. B. , GÖKÇEOĞLU C.
ENVIRONMENTAL EARTH SCIENCES, vol.80, no.1, 2021 (Journal Indexed in SCI)
- VI. **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 (Journal Indexed in SCI)
- VII. **Problems Encountered during a Railway Tunnel Excavation in Squeezing and Swelling Materials and Possible Engineering Measures: A Case Study from Turkey**
Aygaz E. B. , GÖKÇEOĞLU C.
SUSTAINABILITY, vol.12, no.3, 2020 (Journal Indexed in SCI)
- VIII. **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 (Journal Indexed in SCI)
- IX. **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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- X. **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 (Journal Indexed in SCI)
- XI. **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 (Journal Indexed in SCI)
- XII. **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 (Journal Indexed in SCI)
- XIII. **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 (Journal Indexed in SCI)
- XIV. **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 (Journal Indexed in SCI)
- XV. **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 (Journal Indexed in SCI)
- XVI. **A CitSci app for landslide data collection**
Kocaman S., GÖKÇEOĞLU C.
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- XVII. **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.
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- XVIII. **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 (Journal Indexed in SCI)
- XIX. **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 (Journal Indexed in SCI)
- XX. **Bayesian prediction of TBM penetration rate in rock mass**
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- XXI. **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 (Journal Indexed in SCI)
- XXII. **Modification of seed cell sampling strategy for landslide susceptibility mapping: an application from the Eastern part of the Gallipoli Peninsula (Canakkale, Turkey)**
DAĞDELENLER G., NEFESLİOĞLU H. A. , GÖKÇEOĞLU C.

BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, vol.75, no.2, pp.575-590, 2016 (Journal Indexed in SCI)

- XXIII. **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 (Journal Indexed in SCI)
- XXIV. **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.
GEOCARTO INTERNATIONAL, vol.31, no.2, pp.193-209, 2016 (Journal Indexed in SCI)
- XXV. **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 (Journal Indexed in SCI)
- XXVI. **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 (Journal Indexed in SCI)
- XXVII. **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 (Journal Indexed in SCI)
- XXVIII. **Determination of coastal border line: an integrated approach for a part of Antalya coast (Turkey)**
GÖKÇEOĞLU C., NEFESLİOĞLU H. A. , TÜRER D., AKGÜN A., AYAŞ Z., Temimhan M.
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- XXIX. **An assessment on producing synthetic samples by fuzzy C-means for limited number of data in prediction models**
SEZER E., NEFESLİOĞLU H. A. , GÖKÇEOĞLU C.
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- XXX. **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 (Journal Indexed in SCI)
- XXXI. **A modified analytical hierarchy process (M-AHP) approach for decision support systems in natural hazard assessments**
Nefeslioglu H. A. , SEZER E., GÖKÇEOĞLU C., AYAŞ Z.
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- XXXII. **Prediction of uniaxial compressive strength of granitic rocks by various nonlinear tools and comparison of their performances**
Yesiloglu-Gultekin N., GÖKÇEOĞLU C., SEZER E.
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- XXXIII. **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.
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- XXXIV. **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 (Journal Indexed in SCI)
- XXXV. **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 (Journal Indexed in SCI)

- XXXVI. **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 (Journal Indexed in SCI)
- XXXVII. **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 (Journal Indexed in SCI)
- XXXVIII. **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.
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- XXXIX. **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 (Journal Indexed in SCI)
- XL. **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 (Journal Indexed in SCI)
- XLII. **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 (Journal Indexed in SCI)
- XLIII. **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 (Journal Indexed in SCI)
- XLIII. **FUZZYSS'2011: 2nd International Fuzzy Systems Symposium 17-18 November 2011, Ankara, Turkey**
BAYKASOĞLU A., GÖKÇEOĞLU C., DERELİ T., TÜRKŞEN İ. B.
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- XLIV. **An easy-to-use MATLAB program (MamLand) for the assessment of landslide susceptibility using a Mamdani fuzzy algorithm**
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- XLV. **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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- XLVI. **Manifestation of an adaptive neuro-fuzzy model on landslide susceptibility mapping: Klang valley, Malaysia**
SEZER E., Pradhan B., GÖKÇEOĞLU C.
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- XLVII. **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.
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- XLVIII. **Landform effect on rockfall and hazard mapping in Cappadocia (Turkey)**
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- XLIX. **Modeling of the uniaxial compressive strength of some clay-bearing rocks using neural network**
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- L. **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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- LI. **Landslide Susceptibility Mapping by Neuro-Fuzzy Approach in a Landslide-Prone Area (Cameron Highlands, Malaysia)**
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- LII. **Application of fuzzy inference system and nonlinear regression models for predicting rock brittleness**
YAĞIZ S., GÖKÇEOĞLU C.
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- LIII. **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.
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- LIV. **Neuro-fuzzy based constitutive modeling of undrained response of Leighton Buzzard Sand mixtures**
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- LV. **A statistical assessment on international landslide literature (1945-2008)**
GÖKÇEOĞLU C., SEZER E.
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- LVI. **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.
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- LVII. **Estimating the uniaxial compressive strength of some clay-bearing rocks selected from Turkey by nonlinear multivariable regression and rule-based fuzzy models**
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- LVIII. **Assessment of geo-environmental problems of the Zonguldak province (NW Turkey)**
TÜRER D., Nefeslioglu H. A. , Zorlu K., GÖKÇEOĞLU C.
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- LIX. **Implementation of reconstructed geomorphologic units in landslide susceptibility mapping: the Melen Gorge (NW Turkey)**
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- LX. **The use of cation packing index for characterizing the weathering degree of granitic rocks**
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- LXI. **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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- LXII. **Extraction of potential debris source areas by logistic regression technique: a case study from Barla, Besparmak and Kapi mountains (NW Taurids, Turkey)**
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- LXIII. **International earth science literature from Turkey - 1970-2005: Trends and possible causes**
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- LXIV. **Prediction of uniaxial compressive strength of sandstones using petrography-based models**
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- LXV. **Assessment of environmental and engineering geological problems for the possible re-use of an abandoned rock-hewn settlement in Urgup (Cappadocia), Turkey**
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- LXVI. **Indirect determination of weighted joint density (wjd) by empirical and fuzzy models: Supren (Eskisehir, Turkey) marbles**
Nefeslioglu H. A. , Gokceoglu C., SONMEZ H.
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- LXVII. **Estimating the uniaxial compressive strength of a volcanic bimrock**
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- LXVIII. **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)**
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- LXIX. **Use of fuzzy relations to produce landslide susceptibility map of a landslide prone area (West Black Sea Region, Turkey)**
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