

## Prof.Dr. EBRU SEZER

### Kişisel Bilgiler

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### Eğitim Bilgileri

Doktora, Hacettepe Üniversitesi, Fen Bilimleri Ens, Bilgisayar Mühendisliği, Türkiye 2000 - 2006

### Yabancı Diller

İngilizce, B2 Orta Üstü

### Araştırma Alanları

Bilgisayar Bilimleri, Yapay Zeka, Bilgisayarda Öğrenme ve Örüntü Tanıma, Bulanık Kümeler ve Sistemler , Mühendislik ve Teknoloji

### Yönetilen Tezler

GÖKÇEOĞLU C., SEZER E., Granitik kayaların tek eksenli sıkışma dayanımı üzerinde mineralojik ve petrografik özelliklerin etkisinin incelenmesi, Doktora, N.GÜLTEKİN(Öğrenci), 2011

### SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Binary background model with geometric mean for author-independent authorship verification**  
Canbay P., SEZER E., Sever H.  
JOURNAL OF INFORMATION SCIENCE, 2021 (SCI-Expanded)
- II. **An Auto-Approval Approach for Laboratory Test Assessment**  
MUTLU BİLGE B., Kazezoglu C., Soylu S., Uzunal E., Akyurek A. O. , SEZER E.  
IEEE ACCESS, cilt.9, ss.138323-138344, 2021 (SCI-Expanded)
- III. **Candidate sentence selection for extractive text summarization**  
MUTLU B., SEZER E., AKCAYOL M. A.  
INFORMATION PROCESSING & MANAGEMENT, cilt.57, sa.6, 2020 (SCI-Expanded)
- IV. **Sentiment aware word embeddings using refinement and senti-contextualized learning approach**  
Naderalvojud B., SEZER E.  
NEUROCOMPUTING, cilt.405, ss.149-160, 2020 (SCI-Expanded)
- V. **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, cilt.79, sa.1, ss.551-568, 2020 (SCI-Expanded)

- VI. **Term evaluation metrics in imbalanced text categorization**  
Naderalvojud B., SEZER E.  
NATURAL LANGUAGE ENGINEERING, cilt.26, sa.1, ss.31-47, 2020 (SCI-Expanded)
- VII. **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, cilt.8, sa.12, 2019 (SCI-Expanded)
- VIII. **Multi-document extractive text summarization: A comparative assessment on features**  
MUTLU B., SEZER E., AKCAYOL M. A.  
KNOWLEDGE-BASED SYSTEMS, cilt.183, 2019 (SCI-Expanded)
- IX. **A time-based global path planning strategy for crowd navigation**  
ÖZCAN C. Y. , SEZER E., HACİÖMEROĞLU M.  
COMPUTER ANIMATION AND VIRTUAL WORLDS, cilt.30, sa.2, 2019 (SCI-Expanded)
- X. **Combining GPU-generated linear trajectory segments to create collision-free paths for real-time ambient crowds**  
BARUT Ö., HACİÖMEROĞLU M., SEZER E.  
GRAPHICAL MODELS, cilt.99, ss.31-45, 2018 (SCI-Expanded)
- XI. **Perceptual evaluation of maneuvering motion illusion for virtual pedestrians**  
BARUT Ö., HACİÖMEROĞLU M., SEZER E.  
VISUAL COMPUTER, cilt.34, ss.1119-1128, 2018 (SCI-Expanded)
- XII. **A defuzzification-free hierarchical fuzzy system (DF-HFS): Rock mass rating prediction**  
Mutlu B., SEZER E., Nefeslioglu H. A.  
FUZZY SETS AND SYSTEMS, cilt.307, ss.50-66, 2017 (SCI-Expanded)
- XIII. **An expert-based landslide susceptibility mapping (LSM) module developed for Netcad Architect Software**  
SEZER E., Nefeslioglu H. A. , Osna T.  
COMPUTERS & GEOSCIENCES, cilt.98, ss.26-37, 2017 (SCI-Expanded)
- XIV. **Iterative software fault prediction with a hybrid approach**  
Erturk E., SEZER E.  
APPLIED SOFT COMPUTING, cilt.49, ss.1020-1033, 2016 (SCI-Expanded)
- XV. **A comparison of some soft computing methods for software fault prediction**  
ERTURK E., Sezer E. A.  
EXPERT SYSTEMS WITH APPLICATIONS, cilt.42, sa.4, ss.1872-1879, 2015 (SCI-Expanded)
- XVI. **An assessment on producing synthetic samples by fuzzy C-means for limited number of data in prediction models**  
SEZER E., NEFESLIOGLU H. A. , GÖKÇEOĞLU C.  
APPLIED SOFT COMPUTING, cilt.24, ss.126-134, 2014 (SCI-Expanded)
- XVII. **GeoFIS: An integrated tool for the assessment of landslide susceptibility**  
Osna T., SEZER E., AKGÜN A.  
COMPUTERS & GEOSCIENCES, cilt.66, ss.20-30, 2014 (SCI-Expanded)
- XVIII. **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.  
COMPUTERS & GEOSCIENCES, cilt.59, ss.1-8, 2013 (SCI-Expanded)
- XIX. **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, cilt.62, ss.113-122, 2013 (SCI-

Expanded)

- XX. **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, cilt.46, ss.310-316, 2012 (SCI-Expanded)
- XXI. **Daily streamflow prediction by ANFIS modeling: Application to Lower Zamanti Karst Basin, Turkey**  
ÖZYURT N. N. , SEZER E.  
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, cilt.23, sa.6, ss.305-311, 2012 (SCI-Expanded)
- XXII. **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, cilt.38, sa.1, ss.23-34, 2012 (SCI-Expanded)
- XXIII. **Manifestation of an adaptive neuro-fuzzy model on landslide susceptibility mapping: Klang valley, Malaysia**  
SEZER E., Pradhan B., GÖKÇEOĞLU C.  
EXPERT SYSTEMS WITH APPLICATIONS, cilt.38, sa.7, ss.8208-8219, 2011 (SCI-Expanded)
- XXIV. **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, cilt.11, sa.2, ss.2587-2594, 2011 (SCI-Expanded)
- XXV. **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, cilt.48, sa.12, ss.4164-4177, 2010 (SCI-Expanded)
- XXVI. **An assessment on the use of infrascanner for the diagnosis of the brain hemotoma by using support vector machine**  
Coskun F., SEZER E., Karamercan M. A. , Akinci E., Vural K.  
SCIENTIFIC RESEARCH AND ESSAYS, cilt.5, sa.14, ss.1911-1915, 2010 (SCI-Expanded)
- XXVII. **A computer program for fractal dimension (FRACEK) with application on type of mass movement characterization**  
Sezer E.  
COMPUTERS & GEOSCIENCES, cilt.36, sa.3, ss.391-396, 2010 (SCI-Expanded)
- XXVIII. **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)
- XXIX. **A statistical assessment on international landslide literature (1945-2008)**  
GÖKÇEOĞLU C., SEZER E.  
LANDSLIDES, cilt.6, sa.4, ss.345-351, 2009 (SCI-Expanded)
- XXX. **International earth science literature from Turkey - 1970-2005: Trends and possible causes**  
GÖKÇEOĞLU C., Okay A., SEZER E.  
SCIENTOMETRICS, cilt.74, sa.3, ss.409-423, 2008 (SCI-Expanded)
- XXXI. **Semantic information retrieval on the web**  
Sezer E., Yazici A., Yarimagan U.  
ADVANCES IN INFORMATION SYSTEMS, PROCEEDINGS, cilt.4243, ss.158-167, 2006 (SCI-Expanded)

## **Diğer Dergilerde Yayınlanan Makaleler**

- I. **Dijital Çine-Tepecik Projesi Kapsamında Seramik Buluntuları Üzerindeki Uygulamalar ve Değerlendirme**  
SEZER E., ZALLUHOĞLU C., KIYAK T. K.

Arkeoloji ve Sanat, sa.168, ss.27-38, 2021 (Hakemli Dergi)

**II. Dijital Çine-Tepecik Projesi Kapsamında Seramik Buluntuları Üzerindeki Uygulamalar ve Değerlendirme**

Sezer E., Zalluhoğlu C., Kiyak T. K.

Arkeoloji ve Sanat, sa.168, 2021 (Hakemli Dergi)

**III. A new web based data mining exploration and reporting tool for decision makers**

BOZKIR A. S. , SEZER E.

Artificial Intelligence Research, cilt.2, ss.70-89, 2013 (Hakemli Dergi)

**IV. An Ontology Based Infrastructure To Support CMMI-Based Software Process Assessment**

Gazel S., SEZER E., KOLUKISA TARHAN A.

GAZI UNIVERSITY JOURNAL OF SCIENCE, cilt.25, sa.1, ss.155-164, 2012 (ESCI)

## **Kitap & Kitap Bölümleri**

**I. Identification of User Patterns in Social Networks by Data Mining Techniques: Facebook Case**

BOZKIR A. S. , MAZMAN S. G. , SEZER E.

Technological Convergence and Social Networks in Information Management, Kurbanoğlu Serap, Al Umut, Editör, Springer Berlin Heidelberg, Berlin, ss.145-153, 2010

## **Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar**

**I. Small and Unbalanced Data Set Problem in Classification**

PAR Ö. E. , SEZER E., Sever H.

27th Signal Processing and Communications Applications Conference (SIU), Sivas, Türkiye, 24 - 26 Nisan 2019

**II. MULTILEVEL SENTIMENT ANALYSIS IN ARABIC**

Nassar A., SEZER E.

7th IEEE Palestinian International Conference on Electrical and Computer Engineering (PICECE), Gaza, Filistin, 26 - 27 Mart 2019

**III. HUMIR at IEST-2018: Lexicon-Sensitive and Left-Right Context-Sensitive BiLSTM for Implicit Emotion Recognition**

NADERALVOJOU B., UÇAN A., SEZER E.

9th Workshop on Computational Approaches to Subjectivity, Sentiment and Social Media Analysis, Brussels, Belçika, 31 Ekim - 01 Kasım 2018, ss.182-188

**IV. 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, Avusturya, 4 - 13 Nisan 2018

**V. End-to-End Hierarchical Fuzzy Inference Solution**

MUTLU B., SEZER E., AKCAYOL M. A.

IEEE International Conference on Fuzzy Systems (FUZZ-IEEE), Rio de Janeiro, Brezilya, 8 - 13 Temmuz 2018

**VI. Differentiations in Hierarchical Fuzzy Systems**

MUTLU B., SEZER E.

6th World Conference on Soft Computing, California, Amerika Birleşik Devletleri, 22 - 25 Mayıs 2016, cilt.361, ss.361-379

**VII. Automatic Rule Generation of Fuzzy Systems: A Comparative Assessment on Software Defect Prediction**

MUTLU B., SEZER E., AKCAYOL M. A.

3rd International Conference on Computer Science and Engineering (UBMK), Sarajevo, Bosna-Hersek, 20 - 23 Eylül 2018, ss.209-214

- VIII. **Determining of Discriminative Blog Size for Authorship Attribution on the Turkish Texts**  
CANBAY P., SEVER H., SEZER E.  
6th International Symposium on Digital Forensic and Security (ISDFS), Antalya, Türkiye, 22 - 25 Mart 2018, ss.319-323
- IX. **Use of Fuzzy Approaches to Make Predictions on Small Sized Data**  
ÖMERCİOĞLU A., SEZER E., YILMAZ Y., NEFESLİOĞLU H. A.  
The 4th International Fuzzy Systems Symposium, 5 - 06 Kasım 2015, ss.36-40
- X. **Effect of Rule Evaluation in Hierarchical Systems A Benchmark on XOR Gate**  
MUTLU B., SEZER E., NEFESLİOĞLU H. A.  
The 4th International Fuzzy Systems Symposium, 5 - 06 Kasım 2015, ss.58-62
- XI. **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 Ekim 2015
- XII. **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, İspanya, 10 - 12 Haziran 2015, cilt.9094, ss.549-560
- XIII. **INVESTIGATION OF TERM WEIGHTING SCHEMES IN CLASSIFICATION OF IMBALANCED TEXTS**  
Naderalvojud B., BOZKIR A. S. , SEZER E.  
MACHINE LEARNING AND DATA MINING IN PATTERN RECOGNITION, MLDM 2014, Lizbon, 15 - 17 Temmuz 2014, ss.39-46
- XIV. **Assessment of feature selection metrics for sentiment analyses Turkish movie reviews**  
UÇAN A., SEZER E., SEVER H.  
International Conference on Data Mining, Lisbon, Portekiz, 14 - 17 Temmuz 2014
- XV. **EPESUS A DEVELOPING WEB BASED ENERGY MATERIAL FLOW ANALYSIS TOOL FOR ECO INDUSTRIAL PARKS**  
BOZKIR A. S. , SEZER E., Yöntem E., Salihçavuşoğlu G.  
IADIS Internet Applications Research 2012, Lizbon, Portekiz, 17 - 23 Temmuz 2013
- XVI. **ADEM An Online Decision Tree Based Menu Demand Prediction Tool for Food Courts**  
BOZKIR A. S. , SEZER E.  
4th International Conference on Food Engineering and Biotechnology, Kopenhag, Danimarka, 17 Ocak 2013, cilt.43
- XVII. **MOBILE MIND A FULLY MOBILE PLATFORM BASED MACHINE LEARNING APPLICATION**  
BOZKIR A. S. , SEZER E.  
IADIS Data Mining Conference, Roma, İtalya, 19 - 23 Temmuz 2011

## **Desteklenen Projeler**

SEZER E., TÜBİTAK Projesi, Novel Approach to Rule Based Turkish Sentiment Analysis Using Sentiment Lexicon, 2015 - Devam Ediyor

SEZER E., Diğer Özel Kurumlarca Desteklenen Proje, HBYS sistemi için bilirkişi değerlendirme raporlarının incelenmesi, 2016 - 2016

SEZER E., Diğer Özel Kurumlarca Desteklenen Proje, Net InRisk projesi için arge değerlendirmesi, 2016 - 2016

SEZER E., Diğer Özel Kurumlarca Desteklenen Proje, Netcad çözümlerinde akıllı yöntemlerin kullanımı, 2016 - 2016

SEZER E., Diğer Özel Kurumlarca Desteklenen Proje, Tabiat Varlıkları Koruma Hususunda Karar Destek Sisteminin Geliştirilmesi, 2015 - 2015

## **Metrikler**

Yayın: 55

Atif (WoS): 1219

Atif (Scopus): 758

H-índeks (WoS): 14

H-índeks (Scopus): 10