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Education Information

Doctorate, Ankara University, Fen Bilimleri Enst., Jeofizik Mühendisliği Anabilim Dalı, Turkey 1996 - 2002

Postgraduate, Ankara University, Fen Bilimleri Enst., Jeofizik Mühendisliği Anabilim Dalı, Turkey 1993 - 1996

Undergraduate, Istanbul Technical University, Maden Fakültesi, Jeofizik Mühendisliği Bölümü, Turkey 1985 - 1989

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Geophysical Engineering, Applied Geophysics, Archeo-geophysical, Gravity, Well Measurements, Geological Engineering, Applied Geology, Environmental Geology and Geophysics, Physics, Electromagnetism, Acoustics, Heat Transfer, Classical Mechanics and Fluid Dynamics, Natural Sciences, Engineering and Technology

Academic Titles / Tasks

Associate Professor, Cumhuriyet Üniversitesi, Mühendislik Fakültesi, Jeofizik Mühendisliği Bölümü, 2008 - 2010

Assistant Professor, Cumhuriyet Üniversitesi, Mühendislik Fakültesi, Jeofizik Mühendisliği Bölümü, 2003 - 2007

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Effects of the February 6, 2023, Kahramanmaraş earthquake on structures in Kahramanmaraş city**
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- III. **Achieving Intensity Distributions of 6 February 2023 Kahramanmaraş (Türkiye) Earthquakes from Peak Ground Acceleration Records**
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- IV. **Investigation of earthquake sequence and stress transfer in the Eastern Anatolia Fault Zone by Coulomb stress analysis**
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- VII. **Fault modeling around southern Anatolia using the aftershock sequence of the Kahramanmaraş earthquakes (Mw = 7.7 and Mw = 7.6) and an interpretation of potential field data**
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- VIII. **Determination of Natural Fundamental Period of Minarets by Using Artificial Neural Network and Assess the Impact of Different Materials on Their Seismic Vulnerability**
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- IX. **Bedrock Depth Calculation of Çanakkale (Turkey) Basin Using Rayleigh Ellipticity and Microgravity Survey**
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- XI. **The comparison of sectional damages in reinforced-concrete structures and seismic parameters on regional Basis; a case study from western Türkiye (Aegean Region)**
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- XIII. **A Comparative Evaluation of Earthquake Code Change on Seismic Parameter and Structural Analysis; A case of Turkey**
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- XIV. **Determination of historical graves by ground penetrating radar method: Sakarya Field Battle (August 23-September 13, 1921, Turkey)**
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- XV. **Coulomb stress change before and after 24.01.2020 Sivrice (Elazığ) Earthquake (Mw=6.8) on the East Anatolian Fault Zone**
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- XVI. **New insights into the dynamic characteristics of alluvial media under the earthquake prone area: a case study for the canakkale city settlement (NW of Turkey)**
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- XVII. **Geoheritage in a Mythical and Volcanic Terrain: an Inventory and Assessment Study for Geopark and Geotourism, Nemrut Volcano (Bitlis, Eastern Turkey)**
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- XVIII. **A case study for determination of seismic risk priorities in Van (Eastern Turkey)**
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- XIX. **Time-dependent model for earthquake occurrence and effects of design spectra on structural performance: a case study from the North Anatolian Fault Zone, Turkey**
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- XX. **The Effect of Site-Specific Design Spectrum on Earthquake-Building Parameters: A Case Study from the Marmara Region (NW Turkey)**
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- XXIX. **Analysis of local site conditions through geophysical parameters at a city under earthquake threat:**

Canakkale, NW Turkey

BEKLER T., DEMİRCİ A., EKİNCİ Y. L., BÜYÜKSARAÇ A.

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- XXX. **3D Modeling and Tectonic Interpretation of the Erzincan Basin (Turkey) using Potential Field Data**
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- XXXI. **Thermal Investigation in the Cappadocia Region, Central Anatolia-Turkey, Analyzing Curie Point Depth, Geothermal Gradient, and Heat-Flow Maps from the Aeromagnetic Data**
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- XXXVIII. **Estimating shear wave velocity using acceleration data in Antakya (Turkey)**
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- XL. **Evaluation of Gravity and Aeromagnetic Anomalies for the Deep Structure and Possibility of Hydrocarbon Potential of the Region Surrounding Lake Van, Eastern Anatolia, Turkey**
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- XLI. **GEOPHYSICAL INVESTIGATION OF BURIED CANNONS IN KUMKALE (DARDANELLES), TURKEY**
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- XLII. **Geophysical investigations at Agadere Cemetery, Gallipoli Peninsular, NW Turkey**
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- XLV. Preliminary seismic microzonation of Sivas city (Turkey) using microtremor and refraction microtremor (ReMi) measurements**
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- XLVI. IDENTIFICATION OF BURIED ARCHAEOLOGICAL RELICS USING DERIVATIVES OF MAGNETIC ANOMALIES IN OLYMPOS MOUNTAIN WEST ANATOLIA: A CASE STUDY**
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- XLVII. SURFACE GEOPHYSICAL INVESTIGATIONS AND PRELIMINARY EXCAVATIONS AT THE DIVRIGI CITADEL, SIVAS (TURKEY)**
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- LIV. Indoor and outdoor Radon concentration measurements in Sivas, Turkey, in comparison with geological setting**
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- LV. Comment to "Comparative petroleum systems analysis of the interior basins of Turkey: Implications for petroleum potential" [Mar. Pet. Geol. 26 (2009) 1656-1676]**
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- LVI. Spatial correlation of the aeromagnetic anomalies and seismogenic faults in the Marmara region, NW Turkey**

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- LIX. **Determination of Grave Locations in Dedemezari Necropolis (Western Turkey) using Magnetic Field Derivatives**
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- LX. **A tectonic interpretation of the Marmara Sea, NW Turkey from geophysical data**
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- LXII. **Regional geothermal characterisation of East Anatolia from aeromagnetic, heat flow and gravity data**
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- I. **6 Şubat Kahramanmaraş Merkezli Depremler Sonrasında Muş İli Ve Yakın Çevresinin Deprem Tehlikesine Yönelik Bir Değerlendirme**
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- III. **Archaeo-geophysical Investigations in Ahlat Seljuk Square Cemetery, Bitlis, Eastern Anatolia TURKIYE**
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- IV. **Investigation of Site Characterization and Vulnerability in Antakya (Turkey) under Basin Effect**
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- V. **Snow Avalanche Risk Assessment using GIS-Based AHP for Bitlis Province**
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- VII. **Determination of Rockfall Risk Using Fine-Kinney Methodology for Bitlis Downtown Area, Eastern Türkiye**
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