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Research Areas

Geophysical Engineering, Seismology, Engineering and Technology

Academic Titles / Tasks

Professor, Karadeniz Technical University, Mühendislik Fakültesi, Jeofizik, 2014 - Continues

Associate Professor, Karadeniz Technical University, Mühendislik Fakültesi, Jeofizik, 2008 - 2013

Assistant Professor, Karadeniz Technical University, Mühendislik Fakültesi, Jeofizik, 2000 - 2007

Research Assistant, Karadeniz Technical University, Mühendislik Fakültesi, Jeofizik, 1990 - 2000

Professional Experience

Dean, Agri Ibrahim Cecen University, 2014 - 2016

Head of Department, Karadeniz Technical University, 2014 - 2014

Head of Department, Karadeniz Technical University, Mühendislik Fakültesi, Jeofizik, 2000 - 2014

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

- **New macroseismic intensity predictive models for Turkey**
BAYRAK E., Nas M., BAYRAK Y.
ACTA GEOPHYSICA, vol.67, pp.1483-1513, 2019 (Journal Indexed in SCI)
- **Spatiotemporal Comparison of Declustered Catalogs of Earthquakes in Turkey**
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- **An Evaluation of Earthquake Hazard Potential for Different Regions in Western Anatolia Using the Historical and Instrumental Earthquake Data**
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- **Regional variations and correlations of Gutenberg-Richter parameters and fractal dimension for the different seismogenic zones in Western Anatolia**
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 - **Seismicity assessment for the different regions in and around Turkey based on instrumental data: Gumbel first asymptotic distribution and Gutenberg-Richter cumulative frequency law**
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- **31 Temmuz 2005 Bala (Ankara) depremi, MD=4.9, artçı şok dizisinin istatistiksel olarak değerlendirilmesi ve artçı şok parametrelerinin bölgesel değişimleri**
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- **Global Depremlerin Cisim ve Yüzey Dalgası Magnitüdüleri Arasındaki İlişkilerin Karşılaştırılması**
BAYRAK Y.

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- **Dođu Akdeniz ve Ortadođuda Oluřan Depremlerin Kırılma Mekanizması ve Gerilim Azalımı**

BAYRAK Y.

Deprem Arařtırma Bülteni, no.81, pp.125-141, 1999 (Other Refereed National Journals)

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BAYRAK Y.

Yerbilimleri Hacettepe Üniversitesi Yerbilimleri Uygulama ve Arařtırma Dergisi, no.21, pp.1-15, 1998 (National Refreed University Journal)

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Süleyman Demirel Üniversitesi Mühendislik Mimarlık Fakültesi Dergisi, vol.1, no.8, pp.1-13, 1995 (National Refreed University Journal)

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Süleyman Demirel Üniversitesi Mühendislik Mimarlık Fakültesi Dergisi, vol.1, no.4, pp.14-26, 1995 (National Refreed University Journal)

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- **The North Anatolian Fault Zone: an Evaluation of Earthquake Hazard Parameters**

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BAYRAK Y.

2. Balkan Geophysical Congress and Exhibition, İstanbul, Turkey, vol.1, no.1, pp.234

- **A Preliminary Crustal Study in and around Eastern Black Sea from Rayleigh Surface Wave Group Velocity Inversion**

ÇINAR H., ALKAN H., BAYRAK Y.

6th Congress of Balkan Geophysical Society, Hungary, vol.1, no.1, pp.1

- **Farklı Yöntemlerle Deprem Kayıtlarının Zaman-Frekans Analizi**

BAYRAK Y., YILMAZ Ş., BAYRAK E.

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- **Regional Variations of Earthquake Hazard Parameters for Different Source Regions in Turkey and Vicinity**

ÖZTÜRK S., BAYRAK Y., ÇINAR H.

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- **Farklı Sismik Bölgeler Dikkate Alınarak Türkiye'deki Deprem Tehlikesi Çalışmalarında Kullanılabilecek Homojen Deprem Katoloğunun Hazırlanması**

ÖZTÜRK S., BAYRAK Y., KARSLI H., ÇINAR H.

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- **11 Ağustos 2004 Elazığ (Sivrice)depremi artçı şok dizisinin zaman-bölge-magnitüd değişimlerinin analizi**

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- **28 Mart 2004 Erzurum depremi, MD=5.3, artçı şok aktivitesi için sismisite parametreleri b ve p-değerlerinin bölgesel değişimleri**

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- **Doğu Karadeniz bölgesinde son yıllarda yapılan patlatmalarla oluşan depremlerin ayırt edilmesi**

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ÖZTÜRK S., BAYRAK Y.

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- **31 Temmuz Bala (Ankara) depremi, Md=4.9, artçışok dizisinin istatistiksel olarak değerlendirilmesi ve artçışok parametrelerinin bölgesel değişimleri”, İstanbul Kültür Üniversitesi, Kaos ve Karmaşık Sistemler**

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1. Disiplinlerarası Kaos sempozyumu Uluslar arası Katılımlı, İstanbul, Turkey, pp.1

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1. Doğu Anadolu ve Kafkasya Depremleri Jeofizik Toplantısı, Erzurum, Turkey, pp.1
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- **Kent Planlamasında Deprem Risk Faktörünün Değerlendirilmesi, Gümüşhane Örneği, (An Assessment of the Earthquake Risk Factor in the City Planning, the Example of Gümüşhane)**
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- **3 Şubat 2002 Afyon-Sultandağı Depremi Artçı Şok Aktivitesinin Uzaysal ve Zamana Bağlı Değişimleri**
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- **1 Mayıs 2003 Bingöl Depremi Artçı Şok Aktivitesinin Deprem Sayısı – Magnitüd Dağılımının ve Zamanla Azalma Oranının Bölgesel Değişimleri**
ÖZTÜRK S., BAYRAK Y.
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2. International interdisciplinary chaos symposium, İstanbul Kültür University, İstanbul, İstanbul, Turkey, vol.1, no.1, pp.1
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- **Statistical analysis of the aftershock sequences that occurred in Turkey during 1995-2004**
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- **Sismik Risk Parametreleri Açısından Türkiye Depremselliği**
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