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Education Information

Doctorate, Istanbul University, Institute Of Graduate Studies In Sciences, Fen Bilimleri, Turkey Continues

Postgraduate, Suleyman Demirel University, Fen Bilimleri Enstitüsü, Fen Bilimleri, Turkey Continues

Undergraduate, Suleyman Demirel University, Mühendislik-Mimarlık Fakültesi, Jeofizik, Turkey Continues

Foreign Languages

German, B2 Upper Intermediate

English, B2 Upper Intermediate

Dissertations

Doctorate, İstanbul Fragman'ın Ordovisiyen Dönemindeki Tektonik Evriminin Paleomağnetik Verilerle Belirlenmesi, Istanbul University, Fen Bilimleri Enstitüsü, Jeofizik Mühendisliği Abd, 2013

Postgraduate, Van Gölü Civarı Havadan Mağnetik Verilerinin Kantitatif Yorumu, Suleyman Demirel University, Fen Bilimleri Enstitüsü, Jeofizik Mühendisliği Abd, 2006

Research Areas

Geophysical Engineering, Applied Geophysics, Archeo-geophysical, Electro Magnetic and Electrical Methods, Gravity, Engineering and Technology

Academic Titles / Tasks

Research Assistant PhD, Suleyman Demirel University, Mühendislik Fakültesi, Jeofizik Mühendisliği Bölümü, 2013 - Continues

Research Assistant, Suleyman Demirel University, Mühendislik Fakültesi, Jeofizik Mühendisliği Bölümü, 2004 - 2013

Published journal articles indexed by SCI, SSCI, and AHCI

- Determining the Moho interface using a modified algorithm based on the combination of the spatial and frequency domain techniques: a case study from the Arabian Shield**
Luan Thanh Pham L. T. P. , ÖKSÜM E., Eldosouky A. M. , Gomez-Ortiz D., Abdelrahman K., Altinoglu F. F. , Trung Nhu Nguyen T. N. N.
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- III. **Grav3CH_inv: A GUI-based MATLAB code for estimating the 3-D basement depth structure of sedimentary basins with vertical and horizontal density variation**
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- IV. **An improved approach for detecting ridge locations to interpret the potential field data for more accurate structural mapping: A case study from Vredefort dome area (South Africa)**
Luan Thanh Pham L. T. P. , ÖKSÜM E., Minh Duc Vu M. D. V. , Quynh Thanh Vo Q. T. V. , Khuong Du Le-Viet K. D. L. , Eldosouky A. M.
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- V. **On the performance of phase-based filters for enhancing lateral boundaries of magnetic and gravity sources: a case study of the Seattle uplift**
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- VI. **An improved approach for detecting the locations of the maxima in interpreting potential field data**
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- VII. **Edge detection of potential field sources using the softsign function**
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- VIII. **MagB_inv: A high performance Matlab program for estimating the magnetic basement relief by inverting magnetic anomalies**
Luan Thanh Pham L. T. P. , ÖKSÜM E., Gomez-Ortiz D., Thanh Duc Do T. D. D.
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- IX. **Determination of volcanic structures in and around Nevsehir by seismic attenuation method**
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- X. **Inverting gravity anomalies over the Burdur sedimentary basin, SW Turkey**
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- XI. **GPR and ERT explorations at the archaeological site of Kilic village (Isparta, SW Turkey)**
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- XII. **Neotectonic structures imaged by seismic velocity along the Isparta Angle**
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- XIII. **Edge enhancement of potential field data using the logistic function and the total horizontal gradient**
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- XIV. **GCH_gravinv: A MATLAB-based program for inverting gravity anomalies over sedimentary basins**
Luan Thanh Pham L. T. P. , ÖKSÜM E., Thanh Duc Do T. D. D.
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- XV. **Preliminary results of an integrated archaeo-geophysical survey on the basis of ancient finds unearthed by an illegal excavation at Klc oren site (Isparta, Turkey)**
YILMAZ S., ÖKSÜM E., ÇAKMAK O., DOĞAN O., TEKELİOĞLU E.
ARCHAEOLOGICAL PROSPECTION, vol.25, no.3, pp.197-207, 2018 (Journal Indexed in SCI)
- XVI. **Curie surface of Borborema Province, Brazil**

- Correa R. T. , Vidotti R. M. , Oksum E.
TECTONOPHYSICS, vol.679, pp.73-87, 2016 (Journal Indexed in SCI)
- XVII. **The tectonic history of the Nide-Krehir Massif and the Taurides since the Late Mesozoic: Paleomagnetic evidence for two-phase orogenic curvature in Central Anatolia**
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- XVIII. **New paleomagnetic results from Ordovician sedimentary rocks from NW Anatolia: Tectonic implications for the paleolatitudinal position of the Istanbul Terrane**
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- XIX. **Curie surface of the alkaline provinces of Goiás (GAP) and Alto Paranaíba (APAP), central Brazil**
de Moraes Rocha L. G. , Bittencourt Pires A. C. , Carmelo A. C. , ÖKSÜM E.
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- XX. **Thermal structure of the crust in the Black Sea: comparative analysis of magnetic and heat flow data**
STAROSTENKO V. I. , DOLMAZ M. N. , KUTAS R. I. , RUSAKOV O. M. , ÖKSÜM E., Hisarli Z. M. , OKYAR M., Kalyoncuoglu U. Y. , TUTUNSATAR H. E. , LEGOSTAEVA O. V.
MARINE GEOPHYSICAL RESEARCH, vol.35, no.4, pp.345-359, 2014 (Journal Indexed in SCI)
- XXI. **MATLAB code for estimating magnetic basement depth using prisms**
Aydin I., Oksum E.
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- XXII. **Geophysical applications for Fe-rich emery exploration in the Elmacik area on the Menderes Massif (Turkey)**
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- XXIII. **An attempt to use aerial gamma-ray spectrometry results in petrochemical assessments of the volcanic and plutonic associations of Central Anatolia (Turkey)**
AYDIN I., Aydogan M. S. , Oksum E., KOÇAK A.
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Articles Published in Other Journals

- I. **Comparison of different approaches of computing the tilt angle of the total horizontal gradient and tilt angle of the analytic signal amplitude for detecting source edges**
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- II. **The relation of seismic velocity and attenuation pattern in the East Anatolian fault zone with earthquake occurrence: Example of January 24, 2020 Sivrice earthquake**
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- III. **ORTA ANADOLU BÖLGESİ ATMOSFER-KABUK ARA YÜZEYİ KABUK YOĞUNLUĞUNUN FRAKTAL BOYUTLAR İLE BELİRLENMESİ**
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- IV. **Determination of volcanic structures in and around Nevşehir by seismic attenuation method**
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- V. **LAS: A combination of the analytic signal amplitude and the generalised logistic function as a novel edge enhancement of magnetic data**
Luan Thanh Pham L. T. P. , ÖKSÜM E., Thanh Duc Do T. D. D. , Minh Le-Huy M. L. , Minh Duc Vu M. D. V. , Vinh Duc

Nguyen V. D. N.

CONTRIBUTIONS TO GEOPHYSICS AND GEODESY, vol.49, no.4, pp.425-440, 2019 (Journal Indexed in ESCI)

- VI. **Estimation of Curie point depths in the Southern Vietnam continental shelf using magnetic data**
Pham L. T. , Do T. D. , ÖKSÜM E., Le S. T.
Vietnam Journal of Earth Sciences, vol.41, no.3, pp.216-228, 2019 (Journal Indexed in ESCI)
- VII. **Determination of Source Parameters of Simple-shaped Geologic Subsurface Structures from Self-potential Anomalies Using Enhanced Local Wavenumber Method**
Pham L. T. , Vu M. D. , ÖKSÜM E.
VNU Journal of Science: Mathematics – Physics, vol.35, no.1, pp.83-95, 2019 (Refereed Journals of Other Institutions)
- VIII. **ISPARTA KILIÇ ÖREN MEVKİİNDE BİR KAÇAK KAZI ALANINDA ELEKTRİK ÖZDİRENÇ TOMOGRAFİ ARAŞTIRMASI**
YILMAZ S., ÖKSÜM E., ÇAKMAK O.
Mühendislik Bilimleri ve Tasarım Dergisi, vol.7, no.1, pp.46-51, 2019 (Other Refereed National Journals)
- IX. **Determination of seismic P and S wave velocity structure of crust in Central Anatolia**
DEMİRİKAN İ. H. , ŞAHİN Ş., ÖKSÜM E.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSİTESİ MUHENDİSLİK BİLİMLERİ DERGİSİ, vol.25, no.6, pp.775-784, 2019 (Journal Indexed in ESCI)
- X. **An improved space domain algorithm for determining the 3-D structure of the magnetic basement**
Nguyen H. T. T. , ÖKSÜM E., Le M. H. , Do T. D.
Vietnam Journal Of Earth Sciences, vol.41, no.1, pp.69-80, 2019 (Journal Indexed in ESCI)
- XI. **A NEW METHOD FOR EDGE DETECTION IN INTERPRETATION OF POTENTIAL FIELD DATA**
PHAM L. T. , DO T. D. , ÖKSÜM E.
Mühendislik Bilimleri ve Tasarım Dergisi, vol.6, no.4, pp.637-642, 2018 (Other Refereed National Journals)
- XII. **The Relation between Heat Flow Obtained by Curie Depth Point (CDP) and the Faults and Gas Leaks in the Black Sea**
TÜTÜNSATAR H. E. , DOLMAZ M. N. , ÖKSÜM E., OKYAR M., KALYONCUOĞLU Ü. Y. , Starostenko V., Kutas R., Rusakov O., Legostaeva O., HİSARLI Z. M.
Physics and Astronomy International Journal, vol.2, no.1, pp.65-68, 2018 (Refereed Journals of Other Institutions)
- XIII. **Manyetik Anomalilere Neden Olan Basit Şekli Yer Altı Yapılarının Derinlik ve Geometrilerinin Analitik Sinyal Tekniği Kullanılarak Tahmini**
ÖKSÜM E., DOLMAZ M. N.
Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.22, no.2, pp.993-997, 2018 (Other Refereed National Journals)
- XIV. **The nature and origin of magnetic anomalies over the Golcuk caldera, Isparta, South-Western Turkey**
DOLMAZ M. N. , ÖKSÜM E., ERBEK E., TUTUNSATAR H. E. , ELİTOK Ö.
GEOFİZİKESKİY ZHURNAL-GEOPHYSICAL JOURNAL, vol.40, no.3, pp.145-156, 2018 (Journal Indexed in ESCI)
- XV. **Doğu Akdeniz'in Kabuk Yapısı ve Sismik Hız Dağılımının Üç Boyutlu Sismik Tomografi ile Belirlenmesi**
ŞAHİN Ş., ÇİFTÇİ C., OKYAR M., ÖKSÜM E.
Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.22, no.2, pp.961-971, 2018 (Other Refereed National Journals)
- XVI. **DETERMINATION OF MAXIMUM TILT ANGLE FROM ANALYTIC SIGNAL AMPLITUDE OF MAGNETIC DATA BY THE CURVATURE-BASED METHOD**
PHAM L. T. , LE H., ÖKSÜM E., DO T. D.
Vietnam Journal of Earth Sciences, vol.40, no.4, pp.354-366, 2018 (Refereed Journals of Other Institutions)
- XVII. **New method for edges detection of magnetic sources using logistic function**
PHAM L. T. , ÖKSÜM E., DO T. D. , HUY M.
GEOFİZİKESKİY ZHURNAL-GEOPHYSICAL JOURNAL, vol.40, no.6, pp.127-135, 2018 (Journal Indexed in ESCI)
- XVIII. **TERKEDİLMİŞ KROMİT MADEN SAHASININ GRAVİTE VE MANYETİK YÖNTEMLER İLE YENİDEN İŞLETİLEBİLİRLİĞİNİN ARAŞTIRILMASI**

KALYONCUOĞLU Ü. Y. , ÖKSÜM E., ÇELİK Ç., ÇAKMAK O.

Mühendislik Bilimleri ve Tasarım Dergisi, vol.6, no.4, pp.643-649, 2018 (Other Refereed National Journals)

- XIX. The nature and origin of magnetic anomalies over the Gölcük caldera, Isparta, South-Western Turkey.**

DOLMAZ M. N. , ÖKSÜM E., ERBEK E., TÜTÜNSATAR H. E. , ELİTOK Ö.

Geofizicheskiy Zhurnal, 2018 (Refereed Journals of Other Institutions)

- XX. Güneydoğu Anadolu Çarpışma Kuşağındaki Malatya Elazığ Bingöl Diyarbakır Adıyaman Litosferik Yapının Manyetik ve Gravimetrik Yöntemler ile Araştırılması**

DOLMAZ M. N. , ÖKSÜM E., KALYONCUOĞLU Ü. Y. , ELİTOK Ö., AYDIN İ., POYRAZ S. A.

İstanbul Yerbilimleri Dergisi (E.A:İstanbul Üniversitesi Mühendislik Fakültesi Yerbilimleri Dergisi), vol.22, no.2, pp.105-118, 2009 (National Refreed University Journal)

- XXI. Güneydoğu Anadolu Çarpışma Kuşağındaki Malatya Elazığ Bingöl Diyarbakır Adıyaman Litosferik Yapının Manyetik ve Gravimetrik Yöntemler ile Araştırılması**

DOLMAZ M. N. , ÖKSÜM E., KALYONCUOĞLU Ü. Y. , ELİTOK Ö., AYDIN İ., POYRAZ S. A.

İstanbul Yerbilimleri Dergisi, vol.22, no.2, pp.105-118, 2009 (Other Refereed National Journals)

- XXII. Prizma Modelleri Kullanılarak Sentetik Mağnetik Anomalilerinin Gauss- Newton Yöntemi ile Ters Çözümlemesi**

ÖKSÜM E., DOLMAZ M. N.

Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.10, no.3, pp.437-446, 2006 (National Refreed University Journal)

- XXIII. Prizma Modelleri Kullanılarak Sentetik Mağnetik Anomalilerinin Gauss- Newton Yöntemi ile Ters Çözümlemesi**

ÖKSÜM E., DOLMAZ M. N.

Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.10, no.3, pp.437-446, 2006 (National Refreed University Journal)

- XXIV. Prizma modelleri kullanılarak sentetik mağnetik anomalilerin Gauss Newton yöntemi ile ters çözümlenmesi**

ÖKSÜM E., DOLMAZ M. N.

SDÜ Fen Bilimleri Enst. Dergisi, vol.10, no.3, pp.437-446, 2006 (Other Refereed National Journals)

- XXV. Gravite Anomalilerinin Üç Boyutlu 3 B Modellenmesine Dayanılarak Yapı Derinliğinin Belirlenmesine Bir Yaklaşım**

ÖKSÜM E., DOLMAZ M. N. , ETİZ A.

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ÖKSÜM E., DOLMAZ M. N. , ETİZ a.

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Books & Book Chapters

- I. Evidence of Late Cretaceous oroclinal bending in north-central Anatolia: palaeomagnetic results from Mesozoic and Cenozoic rocks along the Izmir-Ankara-Erzincan Suture Zone**

CENGİZ ÇİNKU M., HİSARLI Z. M. , HİRT A., HELLER F., USTAÖMER T., KAYA n., ÖKSÜM E., ORBAY N.

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Supported Projects

YILMAZ S., KAMACI Z., ÇİFTÇİ C., ÖKSÜM E., Project Supported by Higher Education Institutions, Isparta Yerleşim Alanının Yeraltı Topografyasının Jeofizik Yöntemlerle Araştırılması, 2006 - 2008

Citations

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