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Education Information

Doctorate, Istanbul University, Fen Bilimleri Enstitüsü, Jeofizik Mühendisliği Bölümü, Turkey Continues

Postgraduate, Suleyman Demirel University, Fen Bilimleri Enstitüsü, Jeofizik Mühendisliği Bölümü, Turkey Continues

Undergraduate, Yildiz Technical University, Kocaeli Mühendislik Fakültesi, Jeofizik Mühendisliği Bölümü, Turkey Continues

Dissertations

Doctorate, Batı Anadolu'nun Güney Kesiminin Curie Nokta Derinliklerinin Saptanması ve Jeodinamik Olaylar ile İlişkisi, Istanbul University, Fen Bilimleri Enstitüsü, Jeofizik Mühendisliği, 2004

Postgraduate, Isparta ve Civarının Gravite ve Havadan Manyetik Anomalilerinin İncelenmesi, Suleyman Demirel University, Fen Bilimleri Enstitüsü, Jeofizik Mühendisliği, 1999

Research Areas

Geophysical Engineering, Ground Physics, Engineering and Technology

Academic Titles / Tasks

Professor, Suleyman Demirel University, Mühendislik Fakültesi, Jeofizik Mühendisliği Bölümü, 2015 - Continues

Academic and Administrative Experience

Suleyman Demirel University, Jeofizik Mühendisliği, 2016 - Continues

Suleyman Demirel University, Jeofizik Mühendisliği, 2005 - Continues

Suleyman Demirel University, Yalvaç Tbmo, 2014 - 2015

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

- Upper crustal structure of the Marmara region, northwest Turkey from aeromagnetic anomalies: western segment of the North Anatolian Fault**

Kiran E. E. , ATEŞ A., DOLMAZ M. N.

MARINE GEOPHYSICAL RESEARCH, vol.42, no.3, 2021 (Journal Indexed in SCI)

- II. **Crustal thickness in the Black Sea and surrounding region, estimated from the gravity data**
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MARINE AND PETROLEUM GEOLOGY, vol.123, 2021 (Journal Indexed in SCI)
- III. **Inverting gravity anomalies over the Burdur sedimentary basin, SW Turkey**
ÖKSÜM E., DOLMAZ M. N. , Luan Thanh Pham L. T. P.
ACTA GEODAETICA ET GEOPHYSICA, vol.54, no.4, pp.445-460, 2019 (Journal Indexed in SCI)
- IV. **Investigation of the thermal structure and radiogenic heat production through aeromagnetic data for the southeastern Aegean Sea and western part of Turkey**
ERBEK E., DOLMAZ M. N.
GEOTHERMICS, vol.81, pp.113-122, 2019 (Journal Indexed in SCI)
- V. **In situ measurements of radionuclide concentrations in south of Mugla city, Turkey**
ERBEK E., DOLMAZ M. N.
ENVIRONMENTAL EARTH SCIENCES, vol.77, no.10, 2018 (Journal Indexed in SCI)
- VI. **The determination of relations between statistical seismicity data and geodetic strain analysis, and the analysis of seismic hazard in southwest Anatolia**
Gulal E., Tiryakioglu I., Kalyoncuoglu U. Y. , Erdogan S., DOLMAZ M. N. , ELİTOK Ö.
GEOMATICS NATURAL HAZARDS & RISK, vol.7, no.1, pp.138-155, 2016 (Journal Indexed in SCI)
- VII. **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)
- VIII. **Geophysical researches (gravity and magnetic) of the Eratosthenes Seamount in the eastern Mediterranean Sea**
ERBEK E., DOLMAZ M. N.
ACTA GEOPHYSICA, vol.62, no.4, pp.762-784, 2014 (Journal Indexed in SCI)
- IX. **Tectonic activity inferred from velocity field of GNSS measurements in Southwest of Turkey**
Gulal E., Tiryakioglu I., Erdogan S., AYKUT N. O. , Baybura T., AKPINAR B., Telli A. K. , ATA E., Gumus K., Taktak F., et al.
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- X. **Tectonic implications of spatial variation of b-values and heat flow in the Aegean region**
Kalyoncuoglu U. Y. , Elitok O., DOLMAZ M. N.
MARINE GEOPHYSICAL RESEARCH, vol.34, no.1, pp.59-78, 2013 (Journal Indexed in SCI)
- XI. **Investigation into regional thermal structure of the Thrace Region, NW Turkey, from aeromagnetic and borehole data**
Hisarli Z. M. , DOLMAZ M. N. , OKYAR M., ETİZ A., Orbay N.
Studia Geophysica et Geodaetica, vol.56, no.1, pp.269-291, 2012 (Journal Indexed in SCI)
- XII. **Geophysical and geological imprints of southern Neotethyan subduction between Cyprus and the Isparta Angle, SW Turkey**
Kalyoncuoglu U. Y. , Elitok O., DOLMAZ M. N. , ANADOLU N. C.
JOURNAL OF GEODYNAMICS, vol.52, no.1, pp.70-82, 2011 (Journal Indexed in SCI)
- XIII. **Tectonic Escape Mechanism in the Crustal Evolution of Eastern Anatolian Region (Turkey)**
ELİTOK Ö., DOLMAZ M. N.
NEW FRONTIERS IN TECTONIC RESEARCH - AT THE MIDST OF PLATE CONVERGENCE, pp.289-302, 2011 (Journal Indexed in SCI)
- XIV. **Relationship between chemical composition and magnetic susceptibility in the alkaline volcanics from the Isparta area, SW Turkey**
ELİTOK Ö., KAMACI Z., DOLMAZ M. N. , YILMAZ K., SENER M.
JOURNAL OF EARTH SYSTEM SCIENCE, vol.119, no.6, pp.853-860, 2010 (Journal Indexed in SCI)
- XV. **Mantle flow-induced crustal thinning in the area between the easternmost part of the Anatolian plate and the Arabian Foreland (E Turkey) deduced from the geological and geophysical data**
ELİTOK Ö., DOLMAZ M. N.

- Gondwana Research, vol.13, no.3, pp.302-318, 2008 (Journal Indexed in SCI)
- XVI. **Interpretation of low seismicity in the eastern Anatolian collisional zone using geophysical (seismicity and aeromagnetic) and geological data**
DOLMAZ M. N. , ELITOK O., Kalyoncuoglu U. Y.
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- XVII. **An aspect of the subsurface structure of the Burdur-Isparta area, SW Anatolia, based on gravity and aeromagnetic data, and some tectonic implications**
DOLMAZ M. N.
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- XVIII. **Curie point depths based on spectrum analysis of aeromagnetic data, West Anatolian Extensional Province, Turkey**
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- XIX. **Curie Point Depth variations to infer thermal structure of the crust at the African-Eurasian convergence zone, SW Turkey**
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Earth, Planets and Space, vol.57, no.5, pp.373-383, 2005 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **GRV_D_inv: A graphical user interface for 3D forward and inverse modeling of gravity data**
Pham L. T. , Oksum E., Dolmaz M. N.
GEOFIZICHESKIY ZHURNAL-GEOPHYSICAL JOURNAL, vol.43, no.1, pp.181-193, 2021 (Journal Indexed in ESCI)
- II. **ORTA ANADOLU BÖLGESİ ATMOSFER-KABUK ARA YÜZEYİ KABUK YOĞUNLUĞUNUN FRAKTAL BOYUTLAR İLE BELİRLENMESİ**
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Mühendislik Bilimleri ve Tasarım Dergisi, vol.8, no.3, pp.703-711, 2020 (Refereed Journals of Other Institutions)
- III. **Afyon-Sandıklı jeotermal alanında Düşey Elektrik Sondaj (DES) araştırması ve kuyuların fiziksel özellikleri**
DOLMAZ M. N. , ŞAHİN B., TÜTÜNSATAR H. E. , BALKAYA Ç.
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- IV. **Çumra- Konya Bölgesindeki Yüksek Genlikli Gravite Anomalilerine Neden Olan Yapıların Araştırılması**
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Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.23, no.3, pp.1000-1005, 2019 (Refereed Journals of Other Institutions)
- V. **COMPARATIVE STUDY ON EDGE DETECTION METHODS FOR NORTHWEST OF IRAN**
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The Online Journal of Science and Technology, vol.9, no.4, pp.238-243, 2019 (Refereed Journals of Other Institutions)
- VI. **24. Güneş Çevrimi Kapsamında Türkiye Civarında Yermanyetik Alanın Günlük Değişimlerinin İncelenmesi**
ÇELİK C., KARATAŞ C., DOLMAZ M. N.
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- VII. **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)
- VIII. **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)

- IX. **The nature and origin of magnetic anomalies over the Gölcük caldera, Isparta, South-Western Turkey.**
DOLMAZ M. N. , ÖKSÜM E., ERBEK E., TÛTÛNSATAR H. E. , ELİTOK Ö.
Geofizicheskiy Zhurnal, 2018 (Refereed Journals of Other Institutions)
- X. **Çok Kanallı Yüzey Dalgası Analiz Yöntemi (MASW) ile Zemin Özellikleri ve Sıvılaşma Potansiyelinin Belirlenmesi Arifiye-SAKARYA Örneği**
KAYACI S., SİLAHTAR A., DOLMAZ M. N.
Sakarya University Journal of Science, vol.22, no.2, pp.450-458, 2018 (Other Refereed National Journals)
- XI. **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.
GEOFIZICHESKIY ZHURNAL-GEOPHYSICAL JOURNAL, vol.40, no.3, pp.145-156, 2018 (Journal Indexed in ESCI)
- XII. **BODRUM- ÖREN -AKYAKA SAHİL ŞERİDİNDE TORYUM KONSANTRASYON DAĞILIMININ İNCELENMESİ**
ERBEK E., DOLMAZ M. N.
Mühendislik Bilimleri ve Tasarım Dergisi, vol.5, no.3, pp.489-493, 2017 (Refereed Journals of Other Institutions)
- XIII. **KUZEYBATI İRAN İÇİN YAPI SINIRI ANALİZİ UYGULAMALARI**
RANJITEKANTAPEH S., ERBEK E., DOLMAZ M. N.
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- XIV. **Kuzeybatı İran İçin Yapı Sınırı Analizi Uygulamaları**
RANJITEKANTAPEH S., ERBEK E., DOLMAZ M. N.
Journal of Engineering Sciences and Design, vol.5, no.3, pp.533-536, 2017 (Refereed Journals of Other Institutions)
- XV. **Bodrum- Ören -Akyaka Sahil Şeridinde Toryum Konsantrasyon Dağılımının İncelenmesi**
ERBEK E., DOLMAZ M. N.
Journal of Engineering Sciences and Design, vol.5, no.3, pp.489-493, 2017 (Refereed Journals of Other Institutions)
- XVI. **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)
- XVII. **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)
- XVIII. **Sismik P Dalga Hızlarından Yararlanarak Termal Kondüktivite Yapısının Belirlenmesi: Isparta Örneği**
KAMACI Z., ÖVER S., DOLMAZ M. N. , KALYONCUOĞLU Ü. Y. , ÇİFTÇİ C.
Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.13, no.1, pp.60-73, 2009 (Other Refereed National Journals)
- XIX. **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)
- XX. **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)
- XXI. **Prizma modelleri kullanılarak sentetik mağnetik anomalilerin Gauss Newton yöntemi ile ters**

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ÖKSÜM E., DOLMAZ M. N.

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

- XXII. **Gravite Anomalilerinin Üç Boyutlu 3 B Modellenmesine Dayanılarak Yapı Derinliğinin Belirlenmesine Bir YaklaşımAN ATTEMPT TO DEFINE DEPTH OF THE STRUCTURE BASED ON THREE DIMENSIONAL (3-D) MODELING OF GRAVITY ANOMALIES**

ÖKSÜM E., DOLMAZ M. N. , ETİZ a.

İ. Ü. Yerbilimleri Dergisi, vol.18, no.2, pp.219-227, 2005 (Other Refereed National Journals)

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

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İstanbul Yerbilimleri Dergisi, vol.18, no.2, pp.219-227, 2005 (Other Refereed National Journals)

- XXIV. **Kozak Plütonik Kütlelerinin Havadan Mağnetik Anomalilerinin Modellenmesi KB Anadolu**

HİSARLI Z. M. , DOLMAZ M. N.

İstanbul Yerbilimleri Dergisi, vol.17, no.2, pp.147-159, 2004 (Other Refereed National Journals)

- XXV. **Burdur Havzasının Bouguer Gravite Verileri ile Yorumu**

DOLMAZ M. N. , HİSARLI Z. M. , ORBAY N.

İstanbul Yerbilimleri Dergisi, vol.16, no.1, pp.23-32, 2003 (Other Refereed National Journals)

Books & Book Chapters

- I. **Tectonic Escape Mechanism in the Crustal Evolution of Eastern Anatolian Region (Turkey)**

ELİTOK Ö., DOLMAZ M. N.

in: New Frontiers in Tectonic Research At the Midst of Plate Convergence, Schattner Uri, Editor, InTech Book, pp.289-302, 2011

- II. **Determination of Curie Point Depths of Southern part of Western Anatolia and their Correlation with Geodynamic Events**

DOLMAZ M. N.

Istanbul University, İstanbul, 2004

Refereed Congress / Symposium Publications in Proceedings

- I. **An Attempt to Depth Estimate and Boundaries of Burdur Sedimentary Basin, SW Turkey Using Geophysical Methods**

DOLMAZ M. N. , ÖKSÜM E., Pham L. T.

International Conferences on Science and Technology, Engineering Science and Technology, ICONST 2019, 26 - 30 August 2019

- II. **Determination of the thermal structure using aeromagnetic data for the Aegean Region, Turkey**

DOLMAZ M. N. , ERBEK E.

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- III. **Soil Properties and Liquefaction Potential Evaluation of Arifiye District (Sakarya/Turkey) using MASW Methods**

SİLAHTAR A., DOLMAZ M. N. , KAYACI S.

5. International Multidisciplinary Congress of Eurasia (IMCOFE' 18), Barselona, Spain, 24 - 26 July 2018, pp.564-570

- IV. **Estimation of the Optimum Bouguer Correction Density for the Gravity Anomalies of Southwest Turkey**

DOLMAZ M. N. , ÖKSÜM E., ERBEK E.

International Congress of Science, Education and Technology Research, Odesa, Ukraine, 10 August 2017 - 12 August 2018, pp.168-172

- V. **The Optimum Bouguer Correction Density For The Northwest Of Iran Obtained By The Fractal Dimensions.**
DOLMAZ M. N. , ERBEK E., ÖKSÜM E., RANJITEKANTAPEH S.
V. International Multidisciplinary Congress of Eurasia, Barcelona, Spain, 24 - 26 July 2018, pp.610-611
- VI. **A case study of magnetic method applications on a emery bearing ore field.**
Demir M., ÖKSÜM E., DOLMAZ M. N.
9th International Symposium on Eastern Mediterranean Geology, Antalya, Antalya, Turkey, 7 - 11 May 2018
- VII. **A STUDY ON DETERMINATION OF THE CRUSTAL DENSITY OF THE ATMOSPHERE-CRUST INTERFACE FOR THE CENTRAL ANATOLIA BY USING THE FRACTAL DIMENSIONS**
DOLMAZ M. N. , ÖKSÜM E., ERBEK E.
4th International Conference on Engineering and Natural Sciences (ICENS), Kiev, Ukraine, 2 - 06 May 2018, pp.100
- VIII. **DISTRIBUTION OF MAGNETIC SUSCEPTIBILITY IN THE BODRUM PENINSULA AND ITS VICINITY, TURKEY**
ERBEK E., ÖKSÜM E., DOLMAZ M. N.
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- IX. **Urmia Gölü ve Civarının (KB İran) Manyetik Anomalileri**
Ranjitekantapeh S., ERBEK E., DOLMAZ M. N.
Engineers of Future International Student Symposium (EFIS), Zonguldak, Turkey, 15 - 17 June 2017, pp.26
- X. **Sandıklı (Afyonkarahisar) Jeotermal Alanında Elektrik Özdirenç Araştırmaları**
ŞAHİN B., DOLMAZ M. N. , BALKAYA Ç.
Engineers of Future International Student Symposium (EFIS), Zonguldak, Turkey, 15 - 17 June 2017, pp.70
- XI. **Karadeniz'in Yapısal Özelliklerinin Ve Dipaltı Yapısının Araştırılması İçin Theta Haritası Hesabı**
TÜTÜNSATAR H. E. , DOLMAZ M. N.
90 Yılın Ardından İstanbul Üniversitesinde Jeofiziğin Serüveni, İstanbul, Turkey, 10 - 13 May 2017, pp.610
- XII. **Correlation Of Thermal Structure And Vp Velocities Of The Aegean Region**
ERBEK E., DOLMAZ M. N.
3RD International Conference on Engineering and Natural Sciences (ICENS), Budapest, Hungary, 3 - 07 May 2017, pp.567
- XIII. **Heat Flow And Distribution Of B - Values In Aegean Sea**
ERBEK E., KALYONCUOĞLU Ü. Y. , DOLMAZ M. N.
3RD International Conference on Engineering and Natural Sciences (ICENS), Budapest, Hungary, 3 - 07 May 2017, pp.610
- XIV. **A Suggested Magnetic Anomaly Model Of The Trachytic Dome In SW Of The Golcuk Crater Lake, Isparta, Turkey**
DOLMAZ M. N. , ÖKSÜM E., ERBEK E., TÜTÜNSATAR H. E.
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- XV. **A graphical user interface for depth and structural index estimation of simple shaped magnetic structures based on an analytical signal approach**
ÖKSÜM E., DOLMAZ M. N.
3RD International Conference on Engineering and Natural Sciences (ICENS), Budapest, Hungary, 3 - 07 May 2017, pp.532
- XVI. **Investigation Magnetic Susceptibility of Akyaka Ören Bodrum Turkey**
ERBEK E., DOLMAZ M. N.
1st International Mediterranean Science and Engineering Congress, Adana, Turkey, 26 - 28 October 2016, vol.1, pp.1723
- XVII. **Investigation Magnetic susceptibility of Akyaka Oren Bodrum Turkey**
ERBEK E., DOLMAZ M. N.
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- XVIII. **Investigation of Black Sea within the Geophysical Framework**
TÜTÜNSATAR H. E. , DOLMAZ M. N.
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- XIX. **Boundary analysis applications for the magnetic anomalies of the Black Sea**
TÜTÜNSATAR H. E. , ERBEK E., DOLMAZ M. N.
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- XX. **Radiogenic Heat Production RHP of Bodrum Peninsula and Its Vicinity SW Turkey**
ERBEK E., TÜTÜNSATAR H. E. , DOLMAZ M. N.
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- XXI. **Edge Detection of Magnetic Data an Application of Black Sea**
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- XXII. **INTERPRETATION OF MAGNETIC DATA OF THE BLACK SEA USING ANALYTIC SIGNAL METHODS**
TÜTÜNSATAR H. E. , ERBEK E., DOLMAZ M. N.
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- XXIII. **Preliminary Results Of Gamma Ray Measurements In Bodrum Peninsula SW Turkey**
ERBEK E., TÜTÜNSATAR H. E. , DOLMAZ M. N.
31st IUGGConference on Mathematical Geophysics, Paris, France, 6 - 10 June 2016
- XXIV. **Geothermal investigations in Sandıklı Afyon city SW Turkey**
ŞAHİN B., DOLMAZ M. N. , TÜTÜNSATAR H. E. , ERBEK E.
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- XXV. **Depth Estimation From the Magnetic Anomalies of the Northern end of the Fethiye Burdur Fault Zone FBFZ SW Turkey**
DOLMAZ M. N.
Chapter 8, Book of Proceedings, International Conference on Engineering and Natural Sciences, Saraybosna, Bosnia And Herzegovina, 24 - 28 May 2016, vol.2016, pp.1873-1876
- XXVI. **GEOHERMAL INVESTIGATIONS IN SANDIKLI AFYON CITY SW TURKEY**
Şahin b., DOLMAZ M. N. , TÜTÜNSATAR H. E. , ERBEK E.
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- XXVII. **Gravity and magnetic studies in Aegean Sea**
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- XXVIII. **Ege Denizi Volkanik Yayının Jeofizik İzleri**
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- XXIX. **Evaluation of Gravity and Magnetic Imprints of the Eastern Anatolian Collision Zone**
DOLMAZ M. N. , ÖKSÜM E., KALYONCUOĞLU Ü. Y.
1st International Conference on Engineering and Natural Sciences (ICENS), Üsküp, Macedonia, 15 - 19 May 2015, vol.1, pp.91
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