

Assoc. Prof. ALİ ELMAS

Personal Information

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Education Information

Doctorate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Jeofizik, Turkey 2007 - 2012

Postgraduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Jeofizik, Turkey 2004 - 2007

Undergraduate, Karadeniz Technical University, Mühendislik Mimarlık Fakültesi, Jeofizik Mühendisliği Bölümü, Turkey 1999 - 2003

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Education Management and Planning, Tübitak Proje Hazırlama Kursu, KTÜ, 2015

Education Management and Planning, Doktora Staj Kursu, Comenius University, 2012

Dissertations

Doctorate, 3B GRAVİTE TERS ÇÖZÜM HESAPLARINDA SİSMİK HIZ SINIRLARININ KULLANILMASIYLA YOĞUNLUĞUN DERİNLİKLE DEĞİŞİMİNİN TESPİTİ, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Jeofizik, 2012

Postgraduate, GRAVİTE YÖNTEMİNDE İKİ BOYUTLU SENTETİK MODELİN ÜÇ BOYUTLU TASARIMIYLA TESTİ, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Jeofizik, 2007

Research Areas

Geophysical Engineering, Applied Geophysics, Gravity, Engineering and Technology

Academic Titles / Tasks

Associate Professor, Karadeniz Technical University, Mühendislik Fakültesi, Jeofizik Mühendisliği, 2019 - Continues

Assistant Professor, Karadeniz Technical University, Mühendislik Fakültesi, Jeofizik Mühendisliği, 2015 - 2019

Expert, Karadeniz Technical University, Mühendislik Fakültesi, Jeofizik Mühendisliği Bölümü, 2006 - 2015

Academic and Administrative Experience

Courses

Gravite Manyetik Prospeksiyon, Undergraduate, 2016 - 2017

Olasılık ve İstatistik, Undergraduate, 2016 - 2017

Jeofizik Yorumlama, Undergraduate, 2016 - 2017

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

- I. **Edge position detection and depth estimation from gravity data with application to mineral exploration**
ELMAS A.
CARBONATES AND EVAPORITES, vol.34, no.1, pp.189-196, 2019 (Journal Indexed in SCI)
- II. **Lineaments in the Shamakhy-Gobustan and Absheron hydrocarbon containing areas using gravity data**
ELMAS A., KARSLI H., Kadirov F. A.
ACTA GEOPHYSICA, vol.66, no.1, pp.39-49, 2018 (Journal Indexed in SCI)
- III. **Determining change of density with depth by using seismic velocity boundaries in 2D gravity inversion calculations**
Cavsak H., ELMAS A.
CARBONATES AND EVAPORITES, vol.30, no.2, pp.145-151, 2015 (Journal Indexed in SCI)
- IV. **Gold and Silver Prospection Using Magnetic, Radiometry and Microgravity Methods in the Kisladag Province of Western Turkey**
Ercan O. A. , ŞEREN A., ELMAS A.
RESOURCE GEOLOGY, vol.64, no.1, pp.25-34, 2014 (Journal Indexed in SCI)
- V. **Determining change of density with depth by using seismic velocity boundaries in 3D gravity inversion calculations**
Cavsak H., ELMAS A.
ACTA GEODAETICA ET GEOPHYSICA, vol.48, no.4, pp.405-417, 2013 (Journal Indexed in SCI)
- VI. **Determining crustal structure and density in the eastern Black Sea and Pontide Mountains using 3D gravity model calculations**
Cavsak H., ELMAS A.
CARBONATES AND EVAPORITES, vol.28, no.4, pp.475-484, 2013 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Türkiye'nin Tektonik Yapısının Gravite Verileri Kullanılarak Değerlendirilmesi**
ELMAS A.
Mühendislik Bilimleri ve Tasarımı Dergisi, vol.6, no.2, pp.258-264, 2018 (Other Refereed National Journals)
- II. **Kıbrıs Adasındaki Yapısal Süreksizliklerin EGM08 Gravite Verileri Kullanılarak Belirlenmesi**
ELMAS A.
Jeoloji Mühendisliği Dergisi, vol.42, pp.17-32, 2018 (Other Refereed National Journals)
- III. **Trabzon Civarındaki Fay Türü Jeolojik Yapıların Gravite Verileri Kullanılarak Belirlenmesi**
ELMAS A.
Jeoloji Mühendisliği Dergisi, vol.41, pp.137-153, 2017 (Other Refereed National Journals)
- IV. **A new method for determining lower density layer in prospection of hydrocarbon**
ELMAS A., Cavsak H.

- V. **Comparing of the 2D-3D Gravity Calculations in Cartesian Coordinates and 3D in Cartesian-Spherical Coordinates**
ÇAVŞAK H., ELMAS A.
SDÜ Journal of Engineering Science and Design, vol.2, no.2, pp.103-111, 2014 (National Refreed University Journal)
- VI. **CRUST STUDYING IN THE EASTERN PONTIDES BY 3D GRAVITY ALGORIHM**
ÇAVŞAK H., ELMAS A.
e-Journal of New World Sciences Academy, vol.6, no.3, 2011 (International Refereed University Journal)
- VII. **3D Modeling Of Gravity Anomalies Using 2D Synthetic Models**
ÇAVŞAK H., ELMAS A.
SDÜ Journal of Engineering Science and Design, vol.1, no.2, pp.79-86, 2010 (National Refreed University Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Gravity Anomalies on Continental Edgings**
ELMAS A.
2nd International Symposium on Innovative Approaches in Scientific Studies, 30 November - 02 December 2018
- II. **Estimation of Tectonic Structure of Eastern Anatolia Region using Gravity Data**
ELMAS A.
2nd International Symposium on Innovative Approaches in Scientific Studies, 30 November - 02 December 2018
- III. **Determination of Updated Tectonic Structure of Turkey Utilizing Gravity Data**
ELMAS A.
2nd International Symposium on Innovative Approaches in Scientific Studies, 30 November - 02 December 2018
- IV. **Surveying of Tectonic Structure in the Eastern Pontides region. International Symposium on Eastern Mediterranean Geology**
ELMAS A.
9th International Symposium on Eastern Mediterranean Geology, 7 - 11 May 2018
- V. **Determining of Lineaments in the Shamakhy-Gobustan and Absheron Areas Using Gravity Data**
ELMAS A., KARSLI H.
9th International Symposium on Eastern Mediterranean Geology (ISEMG-2018), 7 - 11 May 2018, pp.213-216
- VI. **Investigation of Geothermal Sources by Using Gravity and Electric Resistivity Methods**
ELMAS A., BABACAN A. E. , KARA R. T.
9th International Symposium of the Eastern Mediterranean Geology (ISEMG 2018), Antalya, Turkey, 7 - 11 May 2018, pp.1-5
- VII. **Kıbrıs Süreksizliklerinin Gravite Verileriyle Araştırılması**
ELMAS A.
International Conference on Technology, Engineering and Science (ICONTEs 2017), 26 - 29 October 2017
- VIII. **Trabzondaki çizgiselliklerin Gravite Verileri Kullanılarak Belirlenmesi**
ELMAS A.
International Conference on Technology, Engineering and Science (ICONTEs 2017), 10 - 19 October 2017
- IX. **Geothermal Source Research With Gravity and Electricity Methods. International Conference on Research in Education and Science**
ELMAS A.
International Conference on Research in Education and Science (ICRES 2017), 18 - 21 May 2017
- X. **EXPLORATION OF IRON ORE DEPOSIT IN ELBISTAN OF SOUTHERN TURKEY, USING MAGNETIC DATA**
Kara R. T. , ELMAS A., BABACAN A. E.
International Conference on Education in Mathematics, Science Technology, 18 - 21 May 2017, pp.334-337
- XI. **Exploration of Iron Ore Deposit in Elbistan of Southern Turkey, Using Magnetic Data**

RASİM TAYLAN K., ELMAS A., BABACAN A. E.

International Conference on Research in Education and Science, 18 - 21 May 2017, pp.334-337

- XII. **Mineralized Structure Prospection using HGM and TAM Techniques with Magnetic Data in Gaziantep Southern Turkey**
ELMAS A.
22nd European Meeting of Environmental and Engineering Geophysics, 4 - 08 September 2016
- XIII. **IMAGING OF NEAR SURFACE BURIED STRUCTURES USING MAGNETIC AND ELECTROMAGNETIC METHODS**
BABACAN A. E. , ELMAS A.
International Conference on Research in Education and Science (ICRES), May 19-22, 2016, Bodrum, Turkey, 19 - 22 May 2016
- XIV. **Shallow Crust Study with Gravity Data using HGM and TAM Techniques in Gaziantep Southern Turkey**
ELMAS A.
International Conference on Research in Education and Science, 19 - 22 May 2016, pp.1031-1034
- XV. **Determination of Properties of Margins using Free Air and Bouguer Anomalies**
ELMAS A.
International Conference on Research in Education and Science, 19 - 22 May 2016, pp.954-959
- XVI. **Gold Prospection Using Magnetic, VLF and SP Methods in the Kışladağ Province of Western Turkey**
ERCAN Ö. A. , ŞEREN A., ELMAS A.
International Conference on Research in Education and Science, 23 - 26 April 2015, pp.64-70
- XVII. **2B Gravite Ters Çözüm Hesabında Sismik Hız Sınırlarıyla Yoğunluk Değişimi Çalışması**
ÇAVŞAK H., ELMAS A.
Türkiye 20. Uluslararası Jeofizik Kongre ve Sergisi, Antalya, Turkey, 24 - 28 November 2013, vol.CD, pp.130-133
- XVIII. **Determining Change of Density with Depth by Using Seismic Velocity Boundaries in 3D Gravity Inversion Calculations**
ÇAVŞAK H., ELMAS A.
6th Congress of Balkan Geophysical Society, Budapest, Budapest, Hungary, 13 - 16 June 2011, vol.CD
- XIX. **2B Gravite İnverson Hesaplarında Sismik Hız Sınırlarının Kullanılması**
ÇAVŞAK H., ELMAS A.
Türkiye 19. Uluslararası Jeofizik Kongre ve Sergisi, Ankara, Turkey, 23 - 26 November 2010, vol.CD
- XX. **Yedi Profil Altında 3B Gravite Hesaplarıyla Doğu Pontitlerde Kabuk Yapısı Çalışması**
ÇAVŞAK H., ELMAS A.
Bilimde Modern Yöntemler Sempozyumu, Diyarbakır, Turkey, 10 - 13 May 2010, vol.CD, pp.629-642
- XXI. **Comparing of The 2D-3D Gravity Calculations in Cartesian Coordinates and 3D in Cartesian-Spherical Coordinates**
ÇAVŞAK H., ELMAS A.
The 4th Saint Petersburg International Conference & Exhibition, Saint Petersburg, Russia, Petersburg, Russia, 12 - 15 April 2010, vol.CD
- XXII. **2D Synthetic Models are tested with their 3D planning in gravity method**
ÇAVŞAK H., ELMAS A.
International Symposium on Engineering and Architectural Sciences of Balkan, Caucasus and Turkic Republics Conference, Isparta, Turkey, 21 - 24 October 2009, vol.1, pp.254-260
- XXIII. **3D Modeling Of Gravity Anomalies Using 2D Synthetic Models**
ÇAVŞAK H., ELMAS A.
International Symposium on Engineering and Architectural Sciences of Balkan, Caucasus and Turkic Republics Conference, 10 - 13 February 2009, vol.1, pp.254-260
- XXIV. **Doğu Karadeniz Ve Pontitlerdeki Kabuk ve Üst Mantonun Üç Boyutlu Olarak Modellenerek, Gravite İnverson Hesaplarıyla Kabuk Yapısı ve Ortalama Kabuk Yoğunluğunun Tesbiti**
ÇAVŞAK H., ELMAS A.
Bilimde Modern Yöntemler Sempozyumu, Eskişehir, Turkey, 20 - 23 May 2008, vol.2, pp.1083-1090

Citations

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