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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAT-3562-2020

ScopusID: 25630066000

Yoksis Researcher ID: 145372

Education Information

Doctorate, Karadeniz Technical University, Mühendislik/Fen Bilimleri, Harita Mühendisliği/Jeodezi, Turkey 2005 - 2011

Postgraduate, Karadeniz Technical University, -, Harita Mühendisliği, Turkey 2002 - 2005

Undergraduate, Karadeniz Technical University, Jeodezi Ve Fotogrametri Mühendisliği, Jeodezi Ve Fotogrametri Mühendisliği, Turkey 1998 - 2002

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Türkiye için farklı yöntem ve verilerle belirlenen jeoidlerin karşılaştırılması , Karadeniz Technical University, -, Harita Mühendisliği, 2011

Postgraduate, Farklı jeodezik yüksekliklerin incelenmesi , Karadeniz Technical University, Harita Mühendisliği, Jeodezi, 2005

Research Areas

Geotechnical Engineering, Measuring Technique, Ground Measurements, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Karadeniz Technical University, Mühendislik Fakültesi, Harita Mühendisliği, 2018 - Continues

Assistant Professor, Karadeniz Technical University, Mühendislik Fakültesi, Harita Mühendisliği, 2011 - 2018

Research Assistant, Karadeniz Technical University, Mühendislik Fakültesi, Harita Mühendisliği, 2002 - 2011

Courses

Postgraduate

Jeodezide Yükseklik Sistemleri, Postgraduate, 2017 - 2018

Undergraduate

Yükseklik Belirlemede Özel Konular, Undergraduate, 2017 - 2018, 2016 - 2017

Röleve ve Ölçme Bilgisi, Undergraduate, 2017 - 2018

Ölçme Bilgisi, Undergraduate, 2017 - 2018, 2016 - 2017

Mühendislik İstatistiği, Undergraduate, 2017 - 2018

Ölçme Bilgisi, Undergraduate, 2017 - 2018

Jeodezik Ağlar, Undergraduate, 2016 - 2017, 2015 - 2016

Mühendislik İstatistiği, Undergraduate, 2016 - 2017

Jeodezik Astronomi, Undergraduate, 2017 - 2018

Ölçme Bilgisi-I, Undergraduate, 2016 - 2017

Fiziksel jeodezi, Undergraduate, 2016 - 2017, 2015 - 2016

Supervised Theses

YILMAZ N., "Jeoid Yüksekliklerinin Belirlenmesinde Konumsal Enterpolasyon Yöntemlerinin Karşılaştırılması: Trabzon ve Gümüşhane İlleri Örneği", Postgraduate, K.SAKA(Student), 2018

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Contribution of the global geopotential models on gravimetric geoid determination: a case study of Colorado, USA**
YILMAZ N., ÇAKIR L.
Survey Review, 2025 (SCI-Expanded)
- II. **Impact of the UNB topographical density model on precise geoid determination in the high mountainous region**
YILMAZ N.
Survey Review, vol.57, no.400, pp.65-72, 2025 (SCI-Expanded)
- III. **GEODETIC DEFORMATION MONITORING AROUND TRABZON TIDE GAUGE STATION**
Demirsoy N., YILMAZ N.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.30, no.7A, pp.9154-9161, 2021 (SCI-Expanded)
- IV. **COMPARING THE VOLUME METHODS THROUGH USING DIGITAL ELEVATION MODELS CREATED BY DIFFERENT INTERPOLATION METHODS**
YILMAZ N.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.26, no.7, pp.4734-4741, 2017 (SCI-Expanded)
- V. **TESTING THE PERFORMANCE OF SPATIAL INTERPOLATION METHODS USED FOR GEOID MODELING**
YILMAZ N.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.26, no.3, pp.2359-2367, 2017 (SCI-Expanded)
- VI. **A research of consistencies and progresses of geoid models in Turkey**
YILMAZ N., ÇAKIR L.
ARABIAN JOURNAL OF GEOSCIENCES, vol.9, no.1, 2016 (SCI-Expanded)
- VII. **Polynomials, radial basis functions and multilayer perceptron neural network methods in local geoid determination with GPS/levelling**
ÇAKIR L., YILMAZ N.
MEASUREMENT, vol.57, pp.148-153, 2014 (SCI-Expanded)
- VIII. **Comparison of global and local gravimetric geoid models in Turkey**
YILMAZ N., Karaali C.
SCIENTIFIC RESEARCH AND ESSAYS, vol.5, no.14, pp.1829-1839, 2010 (SCI-Expanded)

Articles Published in Other Journals

- I. **COORDINATE TRANSFORMATION USING THE LEAST SQUARES METHOD: A CASE STUDY ON TRABZON, TURKEY**
Yılmaz N.
GEODETSKI GLASNIK , vol.55, no.58, pp.32-47, 2024 (Peer-Reviewed Journal)
- II. **Gravity data reduction, Bouguer anomaly, and gravity disturbance**
Yılmaz N.
GEOFIZICHESKIY ZHURNAL-GEOPHYSICAL JOURNAL, no.45, pp.153-161, 2023 (Peer-Reviewed Journal)
- III. **Assessment of latest global gravity field models by GNSS/Levelling Geoid**
YILMAZ N.
INTERNATIONAL JOURNAL OF ENGINEERING AND GEOSCIENCES, vol.8, no.2, pp.111-118, 2023 (ESCI)
- IV. **Investigation of Vertical Deformation around Trabzon Tide Gauge Station**
Yılmaz N., Demirsoy N.
GeoScience Engineering, vol.67, no.2, pp.30-40, 2021 (Peer-Reviewed Journal)
- V. **Trend analysis of sea level changes using IBM SPSS software**
Yılmaz N.
Australian Journal of Maritime and Ocean Affairs, vol.11, no.4, pp.201-217, 2019 (Scopus)
- VI. **Jeoid yüksekliklerinin belirlenmesinde ağırlıklı ortalama ve polinomlarla enterpolasyon yöntemlerinin karşılaştırılması**
Yılmaz N.
Dicle Üniversitesi Mühendislik Fakültesi Mühendislik Dergisi, vol.10, no.2, pp.743-754, 2019 (Peer-Reviewed Journal)
- VII. **Investigation of discrepancies of some geoids determined using various methods for Turkey**
Yılmaz N.
INTERNATIONAL JOURNAL OF PHYSICAL SCIENCES, vol.6, no.19, pp.4656-4666, 2011 (Peer-Reviewed Journal)
- VIII. **4 Comparison of Different Height Systems**
YILMAZ N.
GEO-SPATIAL INFORMATION SCIENCE, vol.11, no.3, pp.209-214, 2008 (ESCI)

Papers Published in Refereed Scientific Meetings

- I. **Volume Calculation Through Using Digital Elevation Models Created by Different Interpolation Methods**
YILMAZ N.
XXVI FIG International Congress & General Assembly, İstanbul, Turkey, 6 - 11 May 2018, pp.1-14
- II. **Comparison of Spatial Interpolation Methods Used for Geoid Modeling**
YILMAZ N.
International Symposium on GIS Applications in Geography and Geosciences, Çanakkale, Turkey, 18 - 21 October 2017, pp.1
- III. **"Türkiye İçin Farklı Jeoid Modellerinin Karşılaştırılması"**
YILMAZ N.
Türkiye Ulusal Jeodezi Komisyonu (TUJK)'nun "Gravite ve Yükseklik Sistemleri", İstanbul, Turkey, 3 - 04 November 2016, pp.1
- IV. **GOCE Uydu Verilerinin Türkiye'de Testi**
YILMAZ N.
", Türkiye Ulusal Fotogrametri ve Uzaktan Algılama Birliği VII. Teknik Sempozyumu, Trabzon, Turkey, 23 - 25 May 2013, pp.1
- V. **Farklı Yöntem ve Verilerle Belirlenen Türkiye Jeoidlerinin İncelenmesi**
YILMAZ N.

Türkiye Ulusal Jeodezi Komisyonu (TUJK)'nun "Yerel Jeoitlerin Belirlenmesi" konulu 2012 Yılı Bilimsel Toplantısı, Afyon, Turkey, 29 - 30 November 2012

- VI. **Evaluation of Recent Global Geopotential Models with Turkish Local GPS/Levelling Geoid**
YILMAZ N.
WEGENER 2010 15th General Assembly of WEGENER, İstanbul, Turkey, 14 - 17 September 2010
- VII. **Gravite Ölçüsü ve Gravitenin Yer Bilimlerdeki Yeri**
YILMAZ N.
3. Ulusal Mühendislik Ölçmeleri Sempozyumu, Konya, Turkey, 24 - 26 October 2007
- VIII. **Helmert Ortometrik Yüksekliklerin Belirlenmesi**
YILMAZ N.
11. Türkiye Harita Bilimsel ve Teknik Kurultayı, Ankara, Turkey, 2 - 06 April 2007
- IX. **Positioning with Astronomic and Geodetic Method**
YILMAZ N.
XXIII International FIG Congress, Munich, Germany, 8 - 13 October 2006
- X. **Description of Geoid and Geoid Determination Methods**
YILMAZ N.
1st International Symposium of the International Gravity Field Service, İstanbul, Turkey, 28 August - 01 September 2006
- XI. **Comparison Of Helmert Orthometric Heights And Normal Heights**
YILMAZ N.
Fifth International Symposium Turkish-German Joint Geodetic Days, Berlin, Germany, 28 - 31 March 2006
- XII. **Jeoid ve Jeodezideki Önemi**
YILMAZ N.
TUJK 2005 Yılı Bilimsel Toplantısı Jeoid ve Düşey Datum Çalıştayı, Trabzon, Turkey, 22 - 24 September 2005, pp.314-316
- XIII. **Jeodezideki Farklı Yükseklik Sistemlerinin Karşılaştırılması**
YILMAZ N.
TUJK 2004 Yılı Bilimsel Toplantısı Mühendislik Ölçmelerinde Jeodezik Ağlar Çalıştayı, Zonguldak, Turkey, 14 - 16 October 2004, pp.72-78

Peer Reviews in Scientific Publications

Computer Applications in Engineering Education, SCI Journal, November 2019

Journal of Geomatics, National Scientific Refreed Journal, March 2018

Journal of Geomatics, National Scientific Refreed Journal, January 2018

16. Türkiye Harita Bilimsel ve Teknik Kurultayı, Other Journals, May 2017

Scientific Project Refereeing

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, December 2017

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, December 2017

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, December 2017

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, December 2017

Metrics

Publication: 30

Citation (WoS): 51

Citation (Scopus): 63

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H-Index (Scopus): 4

Congress and Symposium Activities

Tübitak, Panelists, Ankara, Turkey, 2017

International Symposium on GIS Applications in Geography and Geosciences, Session Moderator, Çanakkale, Turkey, 2017