

Assoc. Prof. NAZAN YILMAZ

Personal Information

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International Researcher IDs

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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

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
Jeodezide Yükseklik Sistemleri, Postgraduate, 2017 - 2018
Ölçme Bilgisi-I, Undergraduate, 2016 - 2017
Fiziksel jeodezi, Undergraduate, 2016 - 2017, 2015 - 2016

Advising 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. **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)
- II. **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)
- III. **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)
- IV. **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)
- V. **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)
- VI. **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. **Gravity data reduction, Bouguer anomaly, and gravity disturbance**
Yılmaz N.
GEOFIZICHESKIY ZHURNAL-GEOPHYSICAL JOURNAL, no.45, pp.153-161, 2023 (Peer-Reviewed Journal)
- II. **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)
- III. **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)

IV. 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)

V. 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)

VI. 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)

VII. 4 Comparison of Different Height Systems

YILMAZ N.

GEO-SPATIAL INFORMATION SCIENCE, vol.11, no.3, pp.209-214, 2008 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

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 Bilimlerindeki 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

Scientific Refereeing

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

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Sivas Cumhuriyet University, Turkey, December 2017

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Istanbul Technical University, Turkey, December 2017

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Istanbul Technical University, Turkey, December 2017

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Sivas Cumhuriyet University, Turkey, December 2017

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

Metrics

Publication: 26

Citation (WoS): 42

Citation (Scopus): 50

H-Index (WoS): 3

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