

## Asst. Prof. NAZAN YILMAZ

### Personal Information

Office Phone: [+90 462 377 3768](tel:+904623773768)

Fax Phone: [+90 462 328 0918](tel:+904623280918)

Email: [n\\_berber@ktu.edu.tr](mailto:n_berber@ktu.edu.tr)

Web: [https://avesis.ktu.edu.tr//n\\_berber](https://avesis.ktu.edu.tr//n_berber)

### 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, Fen Bilimleri Enstitüsü, 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, 2016 - 2017, 2017 - 2018

Röleve ve Ölçme Bilgisi, Undergraduate, 2017 - 2018

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

Mühendislik İstatistiği, Undergraduate, 2017 - 2018

Ölçme Bilgisi, Undergraduate, 2017 - 2018

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

## 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 (Journal Indexed in SCI)
- 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 (Journal Indexed in SCI)
- 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 (Journal Indexed in SCI)
- 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 (Journal Indexed in SCI)
- 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 (Journal Indexed in SCI)
- 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 (Journal Indexed in SCI)

## Articles Published in Other Journals

- I. **Investigation of Vertical Deformation around Trabzon Tide Gauge Station**  
Yılmaz N., Demirsoy N.  
GeoScience Engineering, vol.67, no.2, pp.30-40, 2021 (International Refereed University Journal)
- II. **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 (Refereed Journals of Other Institutions)
- III. **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 (National Refreed

University Journal)

**IV. 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 (Refereed Journals of Other Institutions)

**V. 4 Comparison of Different Height Systems**

YILMAZ N.

GEO-SPATIAL INFORMATION SCIENCE, vol.11, no.3, pp.209-214, 2008 (Journal Indexed in 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

## **Edit Congress and Symposium Activities**

Tübitak, Panelists, Ankara, Turkey, 2017

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

## **Citations**

Total Citations (WOS):36

h-index (WOS):3