

## Res. Asst. PhD Özge GÜNEŞ

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: AAL-4802-2021

ScopusID: 57220165286

Yoksis Researcher ID: 275809

### Education Information

Doctorate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Harita Mühendisliği / Geomatik, Turkey 2019 - 2024

Postgraduate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Harita Mühendisliği / Geomatik, Turkey 2016 - 2018

Undergraduate, Yildiz Technical University, Faculty Of Civil Engineering, Geomatic Engineering, Turkey 2012 - 2016

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, Analysis and Modelling of Water Mass Variation by Using Satellite Gravity Data, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, 2024

Postgraduate, Zamana Bağlı Uydu Gravite Çözümlerinden Elde Edilen Kütle Değişimi Sinyallerinin Analizi, Yildiz Technical University, Graduate School of Natural and Applied Sciences, 2018

### Academic Titles / Tasks

Research Assistant PhD, Yildiz Technical University, Faculty Of Civil Engineering, Geomatic Engineering, 2024 - Continues

Research Assistant, Yildiz Technical University, Faculty Of Civil Engineering, Geomatic Engineering, 2017 - Continues

### Courses

Programming in Geodetic Calculus, Undergraduate, 2024 - 2025

Numerical Analysis, Undergraduate, 2024 - 2025

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Power function of F-distribution: revisiting its computation and solution for geodetic studies**  
Aydın C., Güneş Ö.  
JOURNAL OF GEODESY, vol.98, pp.1-15, 2024 (SCI-Expanded)
- II. **Colored noise in GRACE total water storage time series: Its impact on trend significance in the Türkiye region and major world river basins**  
GÜNEŞ Ö., AYDIN C.  
Advances in Space Research, vol.74, no.4, pp.1633-1647, 2024 (SCI-Expanded)
- III. **High-resolution temporal gravity field data products: Monthly mass grids and spherical harmonics from 1994 to 2021**  
Uz M., Akyılmaz O., Shum C., Atman K. G., Olgun S., Güneş Ö.  
SCIENTIFIC DATA, vol.11, no.71, pp.1-20, 2024 (SCI-Expanded)
- IV. **Comparing results of online GNSS services: A case study from Turkey**  
Güneş Ö., Demir D. O.  
SURVEY REVIEW, vol.54, no.383, pp.163-171, 2022 (SCI-Expanded)
- V. **Effect of Stochastic Model Errors on Significance Test for Velocities in Analysis of GPS Position Time Series**  
AYDIN C., DUMAN H., GÜNEŞ Ö., Ugur Sanli D.  
Journal of Surveying Engineering, vol.147, no.1, 2021 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Investigating the results of relative GNSS services with the July 29, 2021 Mw 8.2 Chignik, Alaska Peninsula earthquake**  
Öz Demir D., Güneş Ö.  
Niğde Ömer Halisdemir Üniversitesi Mühendislik Bilimleri Dergisi, vol.13, pp.1, 2024 (Peer-Reviewed Journal)
- II. **Analysis of GRACE time series noise characteristics**  
Güneş Ö., Aydın C.  
GEOMATİK, vol.9, no.1, pp.45-53, 2024 (ESCI)
- III. **Applying autoregressive models in analysis of GRACE-Mascon time-series**  
Güneş Ö., Aydın C.  
Advances in Geodesy and Geoinformation, vol.71, no.2, pp.1-15, 2022 (ESCI)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Regression Approach to transform GRACE Mascon TWS-L3 data into groundwater induced displacements in the Türkiye Region**  
Aydın C., Güneş Ö., Güney B.  
INTERNATIONAL SYMPOSIUM ON APPLIED GEOINFORMATICS (ISAG) 2024, Wroclaw, Poland, 9 - 10 May 2024, pp.37
- II. **Monitoring Tectonic Movements with Low Cost GNSS Measurement Systems**  
Akpınar B., Özarpaç S., Aydın C., Aykut N. O., Özdemir A., Oku Topal G., Güneş Ö., Karabulut M. F., Doğan U.  
EGU General Assembly 2024, Vienna, Austria, 14 - 19 April 2024, pp.18829
- III. **Düşük Maliyetli GNSS Sistemlerinin Jeodezik Uygulamalarda Kullanımı**  
Akpınar B., Aydın C., Aykut N. O., Özarpaç S., Karabulut M. F., Oku Topal G., Güneş Ö.  
TÜRKİYE ULUSAL JEODEZİ KOMİSYONU - XXII. TUJK SEMPOZYUMU 2023, Trabzon, Turkey, 29 November - 01 December 2023, pp.84
- IV. **GRACE Zaman Serilerinde Uzun Dönemli Periyodik Sinyalin İncelenmesi**  
Güneş Ö., Aydın C.  
Türkiye Ulusal Jeodezi Komisyonu (TUJK) XXII. Sempozyumu 2023,, Trabzon, Turkey, 29 November - 01 December

2023, pp.1

- V. **Deep Learning-Aided High-Resolution Temporal Gravity Field Simulations: Monthly global mass grids and Spherical Harmonics from 1994 to 2021**  
Uz M., Akyılmaz O., Shum C., Atman K. G., Olgun S., Güneş Ö.  
International Union of Geodesy and Geophysics (IUGG) 2023 General Assembly, Berlin, Germany, 11 - 20 July 2023, pp.1
- VI. **A new assessment of temporal correlations in GRACE TWS time series**  
Güneş Ö., Klos A., Lenczuk A., Aydın C., Bogusz J.  
International Union of Geodesy and Geophysics (IUGG) 2023 General Assembly, Berlin, Germany, 11 - 20 July 2023, pp.1
- VII. **Role of temporal correlations in the uncertainties of the GRACE hydrological trend**  
Güneş Ö., Aydın C.  
EGU General Assembly 2023, Vienna, Austria, 23 - 28 April 2023, pp.1
- VIII. **Demystifying long-term changes observed by GNSS: comparison with GRACE observations and hydrological models**  
Mikocki J., Klos A., Güneş Ö., Lenczuk A., Bogusz J.  
EGU General Assembly 2023, Vienna, Austria, 23 - 28 April 2023, pp.1
- IX. **Re-defining the Functional Model of the GRACE Total Water Storage Time Series**  
Klos A., Güneş Ö., Lenczuk A., Aydın C., Bogusz J.  
AGU Fall Meeting, Illinois, United States Of America, 12 - 16 December 2022, pp.1
- X. **Reference Frame of GPS-PPP Solutions in Marmara Region-Turkey**  
Güneş Ö., Öz Demir D., Aydın C.  
FIG Working Week 2022, Warszawa, Poland, 11 - 15 September 2022, vol.1, no.1, pp.1-11
- XI. **Applying Autoregressive Models to Analysis of GRACE Mascon Time Series**  
Güneş Ö., Aydın C.  
INTERNATIONAL SYMPOSIUM ON APPLIED GEOINFORMATICS, Riga, Latvia, 2 - 03 December 2021, pp.1
- XII. **GRACE Zaman Serilerinden Elde Edilen Su Kütlesi Değişiminin Analizinde Otoresif Modellerin Kullanımı**  
Güneş Ö., Aydın C.  
18. Harita Bilimsel ve Teknik Kurultayı, Ankara, Turkey, 26 - 29 May 2021, pp.1
- XIII. **Minimum Detectable Overall Trend Rate in GNSS Time-Series**  
Güneş Ö., Uygur S. Ö., Aydın C.  
FIG Working Week 2020, Amsterdam, Netherlands, 10 - 14 May 2020, pp.1-4
- XIV. **Noise Characteristics in GRACE-Mascon Solutions**  
Güneş Ö., Aydın C.  
International Symposium on Applied Geoinformatics (ISAG2019), İstanbul, Turkey, 7 - 09 November 2019, pp.109
- XV. **Reliability of Noise Analysis Using Variance Component Estimation in Geodetic Time Series**  
Duman H., Güneş Ö., Aydın C., Şanlı D. U.  
INTERNATIONAL SYMPOSIUM ON APPLIED GEOINFORMATICS, İstanbul, Turkey, 7 - 09 November 2019, vol.1, pp.105
- XVI. **Grönland Ve Antarktika'daki Buz Kütleleri Daha Hızlı Mı Eriyor? (2003-2016) GRACE-Mascon Çözümleriyle Bir İrdeleme**  
GÜNEŞ Ö., AYDIN C.  
Türkiye Ulusal Jeodezi ve Jeofizik Birliği Bilimsel Kongresi, İzmir, Turkey, 30 May 2018, pp.211-214
- XVII. **Comparison of GRACE Mascon and DDK Derived Hydrological Trends in Turkey**  
GÜNEŞ Ö., AYDIN C.  
EGU General Assembly 2018, Viyana, Austria, 08 April 2018, pp.1

## Supported Projects

AKPINAR B., OKU TOPAL G., KARABULUT M. F., GÜNEŞ Ö., Bursiyeri Y. L., AYDIN C., AYKUT N. O., ÖZARPACI S., Project Supported by Higher Education Institutions, Yer Değiřtirmelerin İzlenmesine Yönelik Düşük Maliyetli Bir GNSS Ölçme Sistemi Geliřtirilmesi, 2023 - Continues

Akpınar B., Özarpacı S., Aydın C., Aykut N. O., Özdemir A., Karabulut M. F., Oku Topal G., Güneş Ö., Dođan U., TUBITAK Project, Düşük Maliyetli GNSS Ölçme Sistemleri ile Tektonik Hareketlerin İzlenmesi, 2023 - 2026

AYDIN C., GÜNEŞ Ö., Project Supported by Higher Education Institutions, SU KÜTLESİ DEĞİŐİMİNİN UYDU GRAVİTE VERİLERİYLE ANALİZİ VE MODELLENMESİ, 2021 - 2024

Akyılmaz O., Aydın C., Üstün A., Okay Ahi G., Aksoy H., TUBITAK Project, Grace ve Çoklu-Görev Uydu Uzaktan Algılama Verileri ile Yüksek Çözünürlüklü Yeraltı Su Bütçesi İzleme Sistemi, 2020 - 2023

## Tasks In Event Organizations

Güneş Ö., INTERNATIONAL SYMPOSIUM ON APPLIED GEOINFORMATICS (ISAG) 2019, Scientific Congress, İstanbul, Turkey, Kasım 2019

## Metrics

Publication: 26

Citation (WoS): 1

Citation (Scopus): 2

H-Index (WoS): 1

H-Index (Scopus): 1

## Scholarships

TÜBİTAK-2214/A YURT DIŐI DOKTORA SIRASI ARAŐTIRMA BURS PROGRAMI, TUBITAK, 2022 - 2023

## Awards

Güneş Ö., Aydın C., En iyi üçüncü sunum-bronz madalya (International Symposium on Applied Geoinformatics), Isag2019, November 2019

Güneş Ö., Yıldız Teknik Üniversitesi Harita Mühendisliđi Bölümü 2016 Mezunları Birincilik Ödülü, Yıldız Teknik Üniversitesi, June 2016