

# HÜSEYİN DUMAN

## ASST. PROF.

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: AHI-0382-2022

ScopusID: 57193524958

Yoksis Researcher ID: 117899

### Learning Knowledge

Doctorate 2016 - 2022	Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Geomatic Engineering, Turkey
Postgraduate 2014 - 2016	Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Geomatic Engineering, Turkey
Undergraduate Double Major 2010 - 2013	Kocaeli University, Mühendislik Fakültesi, Harita Mühendisliği, Turkey
Undergraduate 2007 - 2012	Kocaeli University, Mühendislik Fakültesi, Jeoloji Mühendisliği, Turkey

### Dissertations

Doctorate, Episodik GPS Zaman Serileri İçin Uygun Stokastik Modelin Belirlenmesi, Yıldiz Technical University, Graduate School Of Natural And Applied Sciences, 2022

Postgraduate, BAĞIL VE PPP TEKNİKLERİNE GÖRE TEKRARLI GPS GÖZLEMLERİNDEN ELDE EDİLEN NOKTA HIZ DOĞRULUKLARININ ARAŞTIRILMASI, Yıldiz Technical University, Graduate School Of Natural And Applied Sciences, Geomatic Engineering, 2016

### Academic Titles / Tasks

Assistant Professor 2023 - Continues	Sivas Cumhuriyet University, Mühendislik Fakültesi, Harita Mühendisliği
Research Assistant PhD 2022 - 2023	Sivas Cumhuriyet University, Mühendislik Fakültesi, Harita Mühendisliği
Research Assistant 2014 - 2022	Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Geomatic Engineering

## Scholarships

2214-A International Research Fellowship Programme for PhD Students, TUBITAK, 2021 - 2021

Erasmus+ KA-131 Öğrenim Hareketliliği , European Commission, 2015 - 2016

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

- GNSS-specific characteristic signals in power spectra of multi-GNSS coordinate time series**  
DUMAN H.  
Advances in Space Research, vol.73, no.12, pp.5860-5875, 2024 (SCI-Expanded)
- Analysis of Ionospheric VTEC Retrieved from Multi-Instrument Observations**  
Oztan G., Duman H., Alçay S., Oğutcu S., Özdemir B. N.  
ATMOSPHERE, vol.15, no.6, pp.1-17, 2024 (SCI-Expanded)
- The effect of ambiguity resolution on the precision of the GPS/Galileo PPP using a u-blox ZED-F9P low-cost GNSS receiver**  
Oğutcu S., DUMAN H., Özdemir B. N., Alçay S.  
Advances in Space Research, 2024 (SCI-Expanded)
- Static and kinematic PPP-AR performance of low-cost GNSS receiver in monitoring displacements**  
Oğutcu S., Alçay S., DUMAN H., Özdemir B. N., Konukseven C.  
Advances in Space Research, vol.72, no.11, pp.4795-4808, 2023 (SCI-Expanded)
- Characterization of the co-seismic pattern and slip distribution of the February 06, 2023, Kahramanmaraş (Turkey) earthquakes (Mw 7.7 and Mw 7.6) with a dense GNSS network**  
Özkan A., Solak H. İ., Tiryakioğlu İ., Şentürk M. D., AKTUĞ B., Gezgin C., POYRAZ F., DUMAN H., Masson F., Uslular G., et al.  
Tectonophysics, vol.866, 2023 (SCI-Expanded)
- GPS + Galileo + BDS-3 medium to long-range single-baseline RTK: an alternative for network-based RTK?**  
Oğutcu S., Alçay S., Özdemir B. N., Duman H., Koray U., Konukseven C., Bilal N. G.  
JOURNAL OF NAVIGATION, vol.76, pp.1-20, 2023 (SCI-Expanded)
- Determination of periodic deformation from InSAR results using the FFT time series analysis method in Gediz Graben**  
Hastaoğlu K. Ö., Poyraz F., Erdogan H., Tiryakioğlu I., Ozkaymak C., Duman H., Gül Y., Güler S. D., Dogan A., Gül Y.  
Natural Hazards, vol.117, no.1, pp.491-517, 2023 (SCI-Expanded)
- On the Impact of GPS Multipath Correction Maps and Post-Fit Residuals on Slant Wet Delays for Tracking Severe Weather Events**  
Hunegnaw A., Duman H., Ejigu J. G., Baltacı H., Dousa J., Teferle F. N.  
ATMOSPHERE, vol.14, no.2, pp.1-26, 2023 (SCI-Expanded)
- A new approach considering temporal correlations for GPS campaign time series**  
Duman H., Sanli D. U.  
Computers & Geosciences, vol.162, pp.1-13, 2022 (SCI-Expanded)
- Effect of Stochastic Model Errors on Significance Test for Velocities in Analysis of GPS Position Time Series**  
AYDIN C., DUMAN H., GÜNEŞ Ö., ŞANLI D. U.  
JOURNAL OF SURVEYING ENGINEERING, vol.147, no.1, 2021 (SCI-Expanded)

11. **Efficiency of OPUS-RS solutions**  
DOĞRU A., DUMAN H., ŞANLI D. U., Berber M. M.  
SURVEY REVIEW, vol.51, no.366, pp.193-198, 2019 (SCI-Expanded)
12. **Assessment of geodetic velocities using GPS campaign measurements over long baseline lengths**  
DUMAN H., ŞANLI D. U.  
NATURAL HAZARDS AND EARTH SYSTEM SCIENCES, vol.19, no.3, pp.571-582, 2019 (SCI-Expanded)
13. **Determination of the block movements in the eastern section of the Gediz Graben (Turkey) from GNSS measurements**  
Poyraz F., Hastaoglu K. Ö., Kocbulut F., Tiryakioglu I., Tatar O., Demirel M., Duman H., Aydin C., Ciger A. F., Gursoy Ö., et al.  
Journal of Geodynamics, vol.123, pp.38-48, 2019 (SCI-Expanded)
14. **Investigation of the success of monitoring slow motion landslides using Persistent Scatterer Interferometry and GNSS methods**  
Hastaoglu K. Ö., Poyraz F., Turk T., Yilmaz I., Kocbulut F., Demirel M., Sanli U., Duman H., Sanli F. B.  
Survey Review, vol.50, no.363, pp.475-486, 2018 (SCI-Expanded)

### Articles Published in Other Journals

1. **Assessments of GPS satellite orbiting period effects on diurnal and semi-diurnal luni-solar declinations utilizing Galileo satellites**  
DUMAN H.  
Journal of scientific reports-A (Online), no.058, pp.113-121, 2024 (Peer-Reviewed Journal)
2. **Effect of modelling strategies for post-seismic relaxation on error characteristics of GPS time series and deterministic parameters**  
Duman H.  
Jeodezi ve jeoinformasyon dergisi (Online), vol.10, no.2, pp.96-111, 2023 (Peer-Reviewed Journal)
3. **Data integrity and quality analysis of low-cost ZED-F9P U-Blox GNSS receiver**  
ÖĞÜTCÜ S. S., ALÇAY S., DUMAN H., ÖZDEMİR B. N., KORAY Ü.  
SELCUK UNIVERSITY JOURNAL OF ENGINEERING, SCIENCE AND TECHNOLOGY, vol.11, no.3, pp.660-667, 2023 (Peer-Reviewed Journal)
4. **6 Şubat 2023 Sofalaca-Şehitkamil Gaziantep (Mw:7.7) ve Ekinözü Kahramanmaraş (Mw:7.6) Depremlerinin GNSS Gözlemlerine Bağlı Öncül Sonuçları**  
Eyübagil E. E., ŞAFAK YAŞAR Ş., Çakanşimşek E. B., DUMAN H., SOLAK H. İ., ÖZKAN A., GEZGİN C., YAVAŞOĞLU H. H., TİRYAKİOĞLU İ., POYRAZ F., et al.  
Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, vol.23, 2023 (Peer-Reviewed Journal)
5. **Harita Dergisi'nin Bibliyometrik Analizi**  
POLAT Z. A., SARAÇOĞLU A., DUMAN H.  
Harita Dergisi, no.161, pp.46-56, 2019 (Peer-Reviewed Journal)
6. **KENTSEL BÜYÜME İLE MOTORLU ARAÇ TRAFİĞİ YOĞUNLUĞU ARASINDAKİ İLİŞKİNİN BELİRLENMESİ: İSTANBUL ÖRNEĞİ**  
POLAT Z. A., MEMDUHOĞLU A., HACAR M., DUMAN H.  
Ömer Halisdemir Üniversitesi Mühendislik Bilimleri Dergisi, vol.6, no.2, pp.442-451, 2017 (Peer-Reviewed Journal)
7. **Determination of the Recent Tectonic Movements Using GPS and Insar Methods The First Results From the Eastern Part of the Gediz Graben**  
POYRAZ F., HASTAOĞLU K. Ö., TİRYAKİOĞLU İ., GÜRSOY Ö., KOÇBULUT F., TÜRK T., DEMİREL M., DUMAN H., Ahmet Faruk C., GÜL D.  
Harita Teknolojileri Elektronik Dergisi, 2015 (Peer-Reviewed Journal)
8. **GPS ve Ps Insar Yöntemleri Kullanılarak Koyulhisar Sivas Heyelanlarının İzlenmesi İlk Sonuçlar**  
HASTAOĞLU K. Ö., POYRAZ F., TÜRK T., KOÇBULUT F., ŞANLI D. U., YILMAZ I., BALIK ŞANLI F., KUÇAK R. A., DEMİREL M., GÜRSOY Ö., et al.

## Refereed Congress / Symposium Publications in Proceedings

1. **A SCORING METHOD PROPOSAL WITH MULTI-AGENT SYSTEM SIMULATION FOR ACCESSIBLE CAMPUSES: THE CASE OF SIVAS CUMHURİYET UNIVERSITY**

Güzel O. F., Ayazlı İ. E., Duman H.

IX. Uzaktan Algılama ve Coğrafi Bilgi Sistemleri Sempozyumu (UZAL-CBS 2024), Aksaray, Turkey, 17 - 19 October 2024

## Courses

Ölçme Bilgisi I, Undergraduate, 2022 - 2023

Koordinat Sistemleri, Undergraduate, 2022 - 2023

Uydu Jeodezisi, Undergraduate, 2022 - 2023

## Metrics

Publication: 50

Citation (WoS): 20

Citation (Scopus): 51

H-Index (WoS): 3

H-Index (Scopus): 5

## Research Areas

Geotechnical Engineering, Error Theory, Deformation Measurements, GPS-GNSS, Ground Measurements