

# BURHANEDDİN BİLGİN

## ASST. PROF.

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: A-4364-2018

ScopusID: 57202032688

Yoksis Researcher ID: 109949

### Biography

Dr. Burhaneddin Bilgen graduated from Aksaray University, Faculty of Engineering, Department of Geomatics Engineering in 2012. In 2014, he was appointed as a Research Assistant at Gazi University, School of Land Registry and Cadastre. Between 2015 and 2019, he worked as a Research Assistant at the Surveying Technique Division of the Geomatics Engineering Department of Selçuk University. He continued this duty at the same Department under the umbrella of Konya Technical University until 2022. He received his master's degree from the Department of Geomatics Engineering at Selçuk University in 2017, and his Ph.D. from the same department under the umbrella of Konya Technical University in 2022. He worked as a Res. Asst. Dr. at Ankara Hacı Bayram Veli University, School of Land Registry and Cadastre from 2022 to 2024. He has been working as an Asst. Prof. Dr. at the same School since January 2024. His study fields are Global Navigation Satellite Systems, Deformation Monitoring, and R-programming. His current research mainly focuses on GNSS PPP-AR and ionospheric modelling.

### Learning Knowledge

Doctorate 2017 - 2022	Konya Technical University, Graduate Education, Training And Research Institute, Department of Geomatics Engineering, Turkey
Postgraduate 2014 - 2017	Selcuk University, Institute Of Science, Department of Geomatics Engineering, Turkey
Undergraduate 2008 - 2012	Aksaray University, Faculty of Engineering, Department of Geomatics Engineering, Turkey

### Dissertations

Doctorate, Software development for deformation analysis with GNSS measurements, Konya Technical University, Graduate Education, Training And Research Institute, 2022

Postgraduate, Investigation of deformations in the horizontal direction with GNSS technique, Selcuk University, Institute Of Science, 2017

### Academic Titles / Tasks

Assistant Professor  
2024 - Continues

Ankara Hacı Bayram Veli University, Academy Of Land Registry And Cadastre,  
Department Of Registry Cadastre

Research Assistant PhD  
2022 - 2024

Ankara Hacı Bayram Veli University, Academy Of Land Registry And Cadastre,  
Department Of Registry Cadastre

Research Assistant  
2019 - 2022

Konya Technical University, Faculty Of Engineering, Department Of Topographical  
Engineering

Research Assistant  
2015 - 2019

Selcuk University, Faculty Of Engineering, Department Of Topographical  
Engineering

Research Assistant  
2013 - 2015

Gazi University, Tapu Kadastro Yüksekokulu

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

- Statistical Comparison on Accuracies of Web-Based Online PPP Services**  
Bilgen B., Bulbul S., Inal C.  
Journal of Surveying Engineering, vol.148, no.4, 2022 (SCI-Expanded)
- An open-source software for geodetic deformation analysis in GNSS networks**  
Bilgen B., Inal C.  
Earth Science Informatics, vol.15, no.3, pp.2051-2062, 2022 (SCI-Expanded)
- The performance assessment of Precise Point Positioning (PPP) under various observation conditions**  
Bulbul S., Bilgen B., Inal C.  
Measurement: Journal of the International Measurement Confederation, vol.171, 2021 (SCI-Expanded)
- Statistical analysis of accuracy and precision of GNSS receivers used in network RTK**  
Inal C., Bulbul S., Bilgen B.  
Arabian Journal of Geosciences, vol.11, no.10, 2018 (SCI-Expanded)
- Comparison of L1 norm and L2 norm minimisation methods in trigonometric levelling networks**  
Inal C., Yetkin M., Bulbul S., Bilgen B.  
Tehnicki Vjesnik, vol.25, pp.216-221, 2018 (SCI-Expanded)

### Articles Published in Other Journals

- INVESTIGATION OF POSITION ACCURACY IN UAVS**  
YILDIRIM Ö., İNAL C., BÜLBÜL S., BİLGEN B.  
Turkish Journal of Remote Sensing, 2023 (Peer-Reviewed Journal)
- Point Positioning Performance of Trimble-RTX in Different Satellite Combinations**  
Bilgen B., Inal C., Bülbül S.  
Konya mühendislik bilimleri dergisi (Online), vol.10, no.4, pp.941-949, 2022 (Peer-Reviewed Journal)
- GNSS Tekniği ile Düşey Yöndeki Deformasyonların Araştırılması**  
Bilgen B., Inal C.  
Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, vol.22, no.3, pp.615-625, 2022 (Peer-Reviewed)

Journal)

4. **Mevsimsel Değişimlerin Hassas Nokta Konumlamaya Etkisi**  
Bülbül S., İnal C., Bilgen B.  
Konya mühendislik bilimleri dergisi (Online), vol.10, no.2, pp.274-286, 2022 (Peer-Reviewed Journal)
5. **Farklı uydu sistemi kombinasyonlarının gerçek zamanlı hassas nokta konumlamaya etkisi**  
İnal C., Bilgen B., Bülbül S., Başbük M.  
ENGINEERING SCIENCES, vol.11, no.1, pp.109-115, 2022 (Peer-Reviewed Journal)
6. **TUSAGA-Aktif İstasyonlarındaki Meteorolojik Hava Olaylarının Hassas Nokta Konumlamaya Etkisi**  
Bilgen B., Bülbül S., İnal C.  
Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, vol.21, no.6, pp.1393-1403, 2021 (Peer-Reviewed Journal)

## Books & Book Chapters

1. **Gayrimenkul Lokasyonlarının Belirlenmesinde GNSS Tabanlı Güncel Uygulamalar**  
BİLGEN B.  
in: Gayrimenkul Alanında Disiplinler Arası Yaklaşımlar - DİJİTALLEŞME, Güler Ender, Yalçın Aybüke, Editor, Nobel Bilimsel Eserler, Ankara, pp.41-56, 2023

## Refereed Congress / Symposium Publications in Proceedings

1. **Determination of Vertical Deformations with Kinematic Model: The Case of Ermenek Dam**  
İBAOĞLU R., İNAL C., BİLGEN B.  
4. International Congress on Engineering, Architecture and Design, İstanbul, Turkey, 23 - 24 April 2019
2. **The Effect of Session Duration in Determination of Point Movements with GNSS**  
BİLGEN B., İNAL C., BÜLBÜL S.  
FIG International Congress, İstanbul, Turkey, 6 - 11 May 2018
3. **Determinability of the Changes in East-West and North-South Directions With GNSS Technique**  
BİLGEN B., İNAL C., BÜLBÜL S., TURGUT B.  
FIG Working Week 2017, 29 May - 02 June 2017
4. **Ağ GZK'da Alıcı Seçiminin Nokta Konumlamaya Etkisi**  
BÜLBÜL S., İNAL C., BİLGEN B.  
8. Ulusal Mühendislik Ölçmeleri Sempozyumu, Turkey, 19 - 21 October 2016
5. **GNSS Tekniği ile Yatay Yöndeki Deformasyonların Araştırılması**  
BİLGEN B., İNAL C., BÜLBÜL S.  
8. Ulusal Mühendislik Ölçmeleri Sempozyumu, Turkey, 19 - 21 October 2016

## Courses

BİLGİSAYAR II, Undergraduate, 2022 - 2023  
ÖLÇME BİLGİSİ II, Undergraduate, 2022 - 2023  
İNGİLİZCE III, Undergraduate, 2022 - 2023  
BİLİMSEL ARAŞTIRMA TEKNİKLERİ VE ETİĞİ, Undergraduate, 2022 - 2023

## Scientific Refereeing

Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, National Scientific Refreed Journal, January 2024  
Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, National Scientific Refreed Journal, December 2023

Konya mühendislik bilimleri dergisi (Online), National Scientific Refreed Journal, October 2023  
Türkiye Uzaktan Algılama Dergisi, National Scientific Refreed Journal, July 2022  
JOURNAL OF GEODESY, Journal Indexed in SCI-E, July 2022

### Congress and Symposium Activities

XXII. TÜRKİYE ULUSAL JEODEZİ KOMİSYONU (TUJK) SEMPOZYUMU 2023, Audience, Trabzon, Turkey, 2023  
4. International Congress on Engineering, Architecture and Design, Attendee, İstanbul, Turkey, 2019  
FIG International Congress 2018, Attendee, İstanbul, Turkey, 2018  
FIG Working Week 2017, Attendee, Helsinki, Finland, 2017  
8. Ulusal Mühendislik Ölçmeleri Sempozyumu, Attendee, İstanbul, Turkey, 2016

### Research Areas

Geomatics Engineering, Measuring Technique, Deformation Measurements, GPS-GNSS