

**Asst. Prof. Mahmut Oğuz
Selbesoğlu**



Personal Information

Email: selbesoglu@itu.edu.tr

Web: <https://avesis.itu.edu.tr/selbesoglu>



Education Information

Doctorate, Yildiz Technical University, Faculty Of Construction, Geomatic Engineering,
Turkey 2011 - 2017

Post Graduate, Yildiz Technical University, Faculty Of Construction, Geomatic Engineering,
Turkey 2008 - 2011

Under Graduate, Yildiz Technical University, Faculty Of Construction, Geomatic
Engineering, Turkey 2003 - 2008

Research Areas

Geotechnical Engineering, Measuring Technique, Deformation Measurements, Industrial Measurements, GPS-GNSS,
Hydrographic Measurements, Ground Measurements, Height Measurements, Remote sensing, Laser scanning, Lidar

Academic Titles / Tasks

Assistant Professor, Istanbul Technical University, İnşaat, Geomatik Mühendisliği, 2020 - Continues

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Prediction of tropospheric wet delay by an artificial neural network model based on meteorological and GNSS data**
Selbesoğlu M. O.
ENGINEERING SCIENCE AND TECHNOLOGY-AN INTERNATIONAL JOURNAL-JESTECH, vol.23, no.5, pp.967-972,
2020 (Journal Indexed in SCI)
- II. **Spatial Interpolation of GNSS Troposphere Wet Delay by a Newly Designed Artificial Neural Network Model**
Selbesoğlu M. O.
APPLIED SCIENCES-BASEL, vol.9, no.21, 2019 (Journal Indexed in SCI)
- III. **Evaluation of NRTK GNSS positioning methods for displacement detection by a newly designed displacement monitoring system**
Gumus K., Selbesoğlu M. O.
MEASUREMENT, vol.142, pp.131-137, 2019 (Journal Indexed in SCI)
- IV. **Comparison of low cost 3D structured light scanners for face modeling**
Bakırman T., Gümüşay M. Ü. , Reis H. Ç. , Selbesoğlu M. O. , Şeker D. Z. , Bayram B.
Applied Optics, vol.56, no.4, pp.985-992, 2017 (Journal Indexed in SCI)
- V. **EVALUATION OF PRECIPITABLE WATER VAPOR DERIVED FROM GLOBAL NAVIGATION SATELLITE SYSTEM OBSERVATIONS BASED ON TROPOSPHERE MODEL**

Selbesoğlu M. O.

FRESENIUS ENVIRONMENTAL BULLETIN, vol.26, no.6, pp.3924-3929, 2017 (Journal Indexed in SCI)

- VI. **Accuracy investigation of height obtained from Classical and Network RTK with ANOVA test**
Gumus K., Selbesoğlu M. O. , Celik C. T.
MEASUREMENT, vol.90, pp.135-143, 2016 (Journal Indexed in SCI)
- VII. **DESIGN OF DOUBLE-EGG CURVE IN THE LINK ROADS OF TRANSPORTATION NETWORKS**
KOÇ İ., Gumus K., Selbesoğlu M. O.
TEHNICKI VJESNIK-TECHNICAL GAZETTE, vol.22, no.2, pp.495-501, 2015 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Statik ve RTK GNSS Ölçüm ve Hesaplamalarının Karşılaştırılması**
MUZAFFER K., KARAGÖZ H., SELBESOĞLU M. O.
hkm Jeodezi, Jeoinformasyon ve Arazi Yönetimi Dergisi, vol.2011, no.104, pp.3-13, 2011 (Other Refereed National Journals)
- II. **The use of 3D laser scanning technology in preservation of historical structures**
VATAN KAPTAN M., SELBESOĞLU M. O. , BAYRAM B.
"Wiadomości Konserwatorskie" (Conservation news), vol.26, no.2009, pp.659-669, 2009 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- I. **TROPOSFER VE DENİZ / BUZ SEVİYESİ REFLEKTOMETRESİ GÖZLEM İSTASYONLARININ 4. TÜRKİYE ANTARKTİK BİLİM SEFERİ KAPSAMINDA ANTARKTİKA HORSESHOE ADASI'xxNA KURULUMU**
SELBESOĞLU M. O. , YAVAŞOĞLU H. H. , KARABULUT M. F. , GÜLAL V. E. , OKTAR Ö. , ÖZSOY B., KARAMAN H., KAMAŞAK M. E.
4. Ulusal Kutup Bilimleri Çalıştayı, Turkey, 22 October 2020
- II. **Direct Geo-referencing of UAV images for Orthophoto Generation based on RTK GNSS Positioning**
AKPINAR B., SELBESOĞLU M. O. , AYKUT N. O. , BAYRAK O. C. , BAYRAM B.
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- III. **Comparative Analysis of Two Object-Based Techniques for Shoreline Extraction from Digital Orthophotos: A Case Study in Riga, Latvia**
BAYRAM B., Janpaule I., PETERSONS P., BAKIRMAN T., SELBESOĞLU M. O. , Jamil A., ŞEKER D. Z.
ISAG2019 – International Symposium on Applied Geoinformatics, İstanbul, Turkey, 7 - 09 November 2019, pp.66
- IV. **COMPARISON OF TWO SIMPLIFICATION METHODS FOR SHORELINE EXTRACTION FROM DIGITAL ORTHOPHOTO IMAGES**
BAYRAM B., ŞEN A., SELBESOĞLU M. O. , VARNA I., ŞEKER D. Z. , PETERSONS P., AYKUT N. O.
4th International GeoAdvances Workshop, SAFRANBOLU, Turkey, 14 - 15 October 2017, pp.147-151
- V. **Comparison Of DEM Derived Based On The Point Cloud Obtained From Different Lidar System and Flight Altitude**
SÜLEYMANOĞLU B., GÜRTÜRK M., SELBESOĞLU M. O. , SOYCAN M.
SELÇUK INTERNATIONAL SCIENTIFIC CONFERENCE ON APPLIED SCIENCES - 2016, Antalya, Turkey, 27 September - 30 October 2016, pp.88-92
- VI. **DEFORMATION MEASUREMENT USING TERRESTRIAL LASER SCANNER FOR CULTURAL HERITAGE**
SELBESOĞLU M. O. , BAKIRMAN T., Gökbayrak O.
3rd International GeoAdvances Workshop, 16 - 17 October 2016, pp.89-93
- VII. **HASSAS MUTLAK KONUMLAMA TEKNİĞİ PPP İLE AĞ RTK KONUMLAMA TEKNİĞİNDEN ELDE EDİLEN YÜKSEKLİK BİLEŞENİNİN DOĞRULUK KARŞILAŞTIRMASI**

SELBESOĞLU M. O. , GÜMÜŞ K.

8. ULUSAL MÜHENDİSLİK ÖLÇMELERİ SEMPOZYUMU, Turkey, 19 - 21 October 2016

VIII. **Comparative Assessment of Precipitable Water Vapor Derived from GNSS Observations Based on Surface Meteorological Data and GPT2w Empirical Model Meteorological Data**

SELBESOĞLU M. O. , KOÇ İ.

4th International Geography Symposium, Antalya, Turkey, 23 - 26 May 2016, pp.150

IX. **Accuracy Assessment of the Precise Point Positioning for Different Troposphere Models**

SELBESOĞLU M. O. , GÜRTÜRK M., SOYCAN M.

EGU General Assembly 2016, Viyana, Austria, 17 - 22 April 2016, vol.18

X. **YAPI APLİKASYONLARI**

KOÇ İ., SELBESOĞLU M. O.

7. Ulusal Mühendislik Ölçmeleri Sempozyumu, Turkey, 15 - 17 October 2014

XI. **Tarihi Davutpaşa Kışlasında Yapısal Deformasyonların Jeodezik Yöntemlerle İzlenmesi**

HOŞBAŞ R. G. , ÖCALAN T., PIRTI A., ATA E., SELBESOĞLU M. O.

6.mühendislik Ölçmeleri sempozyumu, Turkey, 3 - 05 October 2012

XII. **İkili Yumurta Eğrisi Parametrelerinin Belirlenmesi Hesabı ve Aplikasyonu**

KOÇ İ., SELBESOĞLU M. O. , GÜMÜŞ K.

6.mühendislik Ölçmeleri sempozyumu, Turkey, 3 - 05 October 2012

XIII. **Sanal Referans İstasyonu VRS Virtual Reference Station Tekniğinin Doğruluk Araştırması TUJK 2011**

SELBESOĞLU M. O. , KOÇ İ., SOYCAN M.

TUJK 2011 yılı Bilimsel Toplantısı "Prof.Dr. Onur Gürkan'ın Jeodezi'ye Katkıları - Sabit GNSS İstasyonları Ağı ve Analizi", Turkey, 23 - 25 November 2011

XIV. **Yükseköğretim Sistemindeki Gelişmeler ve Harita Mühendisliği Eğitimine Yansımaları Durum Tespiti ve Gelecek İçin Kestirim Cumhuriyet Üniversitesi Geomatik Mühendisliği Bölümü Açılış Sempozyumu**

ÖCALAN T., TUNALIOĞLU N., SELBESOĞLU M. O. , HOŞBAŞ R. G.

Cumhuriyet Üniversitesi Geomatik Mühendisliği Bölümü Açılış Sempozyumu, Turkey, 17 - 19 November 2011

XV. **The use of 3D laser scanning technology in preservation of historical structures**

VATAN KAPTAN M., SELBESOĞLU M. O. , BAYRAM B.

13th Scientific-Technical Conference on Repair, conservation and strengthening of traditionally erected buildings and historic buildings (REMO 2009), Wroclaw, Poland, 2 - 04 December 2009, vol.26, pp.659-669

Supported Projects

Selbesoğlu M. O. , Özsoy B., TÜBİTAK International Bilateral Joint Cooperation Program Project, Combined Ground-Based and Satellite Measurements for Atmosphere Vertical Profiles and Aerosols (COMAPA), 2021 - 2023

Selbesoğlu M. O. , TUBİTAK Project, Antarktika Bölgesinde Troposfer ve Kar Derinliğinin/Kalınlığının GNSS Meteorolojisi ve GNSS Reflektometresi Yöntemleri ile İzlenmesi, 2020 - 2021

Citations

Total Citations (WOS):23

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