

## Assoc. Prof. SAYGIN ABDİKAN

### Personal Information

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### International Researcher IDs

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ScopusID: 55515101500

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### Education Information

Doctorate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Turkey 2007 - 2013

Postgraduate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Turkey 2004 - 2007

Undergraduate, Yildiz Technical University, Faculty Of Civil Engineering, Turkey 1999 - 2004

### Dissertations

Doctorate, Monitoring of land surface subsidence in Zonguldak coal mining field in the northern Turkey using multi temporal sar interferometry, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, 2012

### Research Areas

Geotechnical Engineering, Remote sensing, Image Processing, Engineering and Technology

### Academic Titles / Tasks

Associate Professor, Hacettepe University, Mühendislik Fakültesi, Geomatik Mühendisliği Bölümü, 2020 - Continues

Associate Professor, Zonguldak Bülent Ecevit University, Faculty Of Engineering, 2019 - 2020

Assistant Professor, Zonguldak Bülent Ecevit University, Faculty Of Engineering, 2014 - 2019

Research Assistant, Yildiz Technical University, Faculty Of Civil Engineering, Geomatic Engineering, 2005 - 2010

### Academic and Administrative Experience

Deputy Head of Department, Zonguldak Bülent Ecevit University, Faculty Of Engineering, 2016 - 2019

### Advising Theses

Abdikan S., Yüksek çözünürlüklü görüntülerden otomatik bina çıkarımı, Postgraduate, H.ÇOBANOĞLU(Student), 2023

- Abdikan S., Severcan Y. C., LAND USE / LAND COVER CHANGE DETECTION AND THE IMPACTS OF TERRITORIAL DEVELOPMENT PLANS ON THE CHANGE IN MUĞLA, Postgraduate, Ö.ERTUNÇ(Student), 2022
- Abdikan S., Sentinel-2 verisi kullanılarak fındık alanlarının makine öğrenme yöntemleri ile belirlenmesi, Postgraduate, C.APAYDIN(Student), 2020
- Abdikan S., Sentinel-2 uydu görüntüleri kullanılarak ayçiçeği bitkisi fenolojik evresinin izlenmesi ve verim tahmin çalışması, Postgraduate, Ö.GÖKBERK(Student), 2019
- Abdikan S., Sentinel-2 ve Landsat-8 uydu görüntüleri ile arazi örtüsü/kullanımı haritalarının karşılaştırılması, Postgraduate, F.GÖKHAN(Student), 2019
- Abdikan S., Landsat-8 ve Sentinel-2 uydu görüntüleri kullanılarak orman yangın alanı tespiti: Muğla örneği, Postgraduate, B.KURNAZ(Student), 2019
- Abdikan S., Çok zamanlı ve çok frekanslı sar-gnss verileri ile heyelanların araştırılması: Beylikdüzü-Esenyurt örneği, Doctorate, Ç.BAYIK(Student), 2018
- Abdikan S., Marangoz A. M., Aktif mikrodalga uydu görüntü verileri kullanılarak toprak neminin belirlenmesi, Doctorate, A.ŞEKERTEKİN(Student), 2018

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

- I. **Mass movement evaluation in deformed clastic rock with InSAR technique**  
Bayik C., ABDİKAN S., Gül M.  
Earth Surface Processes and Landforms, vol.49, no.2, pp.875-886, 2024 (SCI-Expanded)
- II. **Improving global digital elevation models using space-borne GEDI and ICESat-2 LiDAR altimetry data**  
Narin O. G., ABDİKAN S., Gullu M., Lindenbergh R., BALIK ŞANLI F., Yilmaz I.  
International Journal of Digital Earth, vol.17, no.1, 2024 (SCI-Expanded)
- III. **A Statistical Approach for the Integration of Multi-Temporal InSAR and GNSS-PPP Ground Deformation Measurements**  
Delen A., BALIK ŞANLI F., ABDİKAN S., Dogan A. H., Durdag U. M., ÖCALAN T., ERDOĞAN B., Calò F., Pepe A.  
Sensors, vol.24, no.1, 2024 (SCI-Expanded)
- IV. **Determination of long-term volume change in lakes by integration of UAV and satellite data: the case of Lake Burdur in Türkiye**  
Kaya Y., BALIK ŞANLI F., ABDİKAN S.  
Environmental science and pollution research international, vol.30, no.55, pp.117729-117747, 2023 (SCI-Expanded)
- V. **Classification of Large-Scale Mobile Laser Scanning Data in Urban Area with LightGBM**  
Sevgen E., ABDİKAN S.  
Remote Sensing, vol.15, no.15, 2023 (SCI-Expanded)
- VI. **Retrieval of forest height information using spaceborne LiDAR data: a comparison of GEDI and ICESat-2 missions for Crimean pine (Pinus nigra) stands**  
Vatandaslar C., Narin O. G., ABDİKAN S.  
Trees - Structure and Function, vol.37, no.3, pp.717-731, 2023 (SCI-Expanded)
- VII. **A comparative analysis of SLR, MLR, ANN, XGBoost and CNN for crop height estimation of sunflower using Sentinel-1 and Sentinel-2**  
ABDİKAN S., Sekertekin A., Narin O. G., Delen A., BALIK ŞANLI F.  
Advances in Space Research, vol.71, no.7, pp.3045-3059, 2023 (SCI-Expanded)
- VIII. **Surface soil moisture estimation from multi-frequency SAR images using ANN and experimental data on a semi-arid environment region in Konya, Turkey**  
Abdikan S., Sekertekin A., Madenoglu S., Ozcan H., Peker M., Pinar M. O., Koc A., Akgul S., Secmen H., Kecici M., et al.  
Soil and Tillage Research, vol.228, 2023 (SCI-Expanded)
- IX. **Multi-temporal analysis of inland water level change using ICESat-2 ATL-13 data in lakes and dams**  
Narin O. G., Abdikan S.  
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.30, no.6, pp.15364-15376, 2023 (SCI-Expanded)

- X. **Innovative remote sensing methodologies and applications in coastal and marine environments**  
Zhao Q., Pepe A., Zamparelli V., Mastro P., Falabella F., ABDİKAN S., Bayik C., BALIK ŞANLI F., Ustuner M., Avşar N. B., et al.  
Geo-Spatial Information Science, 2023 (SCI-Expanded)
- XI. **Carbon stock estimation by dual-polarized synthetic aperture radar (SAR) and forest inventory data in a Mediterranean forest landscape**  
Vatandaslar C., Abdikan S.  
JOURNAL OF FORESTRY RESEARCH, vol.33, no.3, pp.827-838, 2022 (SCI-Expanded)
- XII. **Monitoring of phenological stage and yield estimation of sunflower plant using Sentinel-2 satellite images**  
Narin O. G., ABDİKAN S.  
GEOCARTO INTERNATIONAL, vol.37, no.5, pp.1378-1392, 2022 (SCI-Expanded)
- XIII. **Burned Area Detection Using Multi-Sensor SAR, Optical, and Thermal Data in Mediterranean Pine Forest**  
Abdikan S., Bayik C., Sekertekin A., Bektaş Balçık F., Karimzadeh S., Matsuoka M., Sanli F. B.  
FORESTS, vol.13, no.2, 2022 (SCI-Expanded)
- XIV. **Investigation of Source Parameters of the 2020 Elazig-Sivrice Earthquake (Mw 6.8) in the East Anatolian Fault Zone**  
BAYIK Ç., GÜRBÜZ G., ABDİKAN S., Gormus K. S., KUTOĞLU Ş. H.  
PURE AND APPLIED GEOPHYSICS, vol.179, no.2, pp.587-598, 2022 (SCI-Expanded)
- XV. **Long term displacement observation of the Ataturk Dam, Turkey by multi-temporal InSAR analysis**  
BAYIK Ç., ABDİKAN S., Arikan M.  
ACTA ASTRONAUTICA, vol.189, pp.483-491, 2021 (SCI-Expanded)
- XVI. **Monitoring of small-scale deformation at sea-filled Ordu-Giresun Airport, Turkey from multi-temporal SAR data**  
Bayik C., ABDİKAN S.  
ENGINEERING FAILURE ANALYSIS, vol.130, 2021 (SCI-Expanded)
- XVII. **Investigation of the landslides in Beylikduzu-Esenyurt Districts of Istanbul from InSAR and GNSS observations**  
Bayik Ç., Abdikan S., Özdemir A., Arikan M., Balık Şanlı F., Doğan U.  
NATURAL HAZARDS, vol.109, no.1, pp.1201-1220, 2021 (SCI-Expanded)
- XVIII. **Statistical reinterpretation of the long term creep behaviour of the Isetmpasa segment of North Anatolian Fault, Turkey**  
GÜRBÜZ G., BAYIK Ç., ABDİKAN S., Gormus K. S., KUTOĞLU Ş. H.  
TECTONOPHYSICS, vol.814, 2021 (SCI-Expanded)
- XIX. **Sentinel-1 interferometric coherence and backscattering analysis for crop monitoring**  
Nasirzadehdizaji R., Çakır Z., Sanli F. B., ABDİKAN S., Pepe A., Calo F.  
COMPUTERS AND ELECTRONICS IN AGRICULTURE, vol.185, 2021 (SCI-Expanded)
- XX. **Identifying Land Subsidence Using Global Digital Elevation Models**  
Becek K., Ibrahim K., Bayik C., ABDİKAN S., Kutoglu H. S., Glabicki D., Blachowski J.  
IEEE JOURNAL OF SELECTED TOPICS IN APPLIED EARTH OBSERVATIONS AND REMOTE SENSING, vol.14, pp.8989-8998, 2021 (SCI-Expanded)
- XXI. **ALOS-2 and Sentinel-1 SAR data sensitivity analysis to surface soil moisture over bare and vegetated agricultural fields**  
ŞEKERTEKİN A., Marangoz A. M., ABDİKAN S.  
COMPUTERS AND ELECTRONICS IN AGRICULTURE, vol.171, 2020 (SCI-Expanded)
- XXII. **Sensitivity Analysis of Multi-Temporal Sentinel-1 SAR Parameters to Crop Height and Canopy Coverage**  
Nasirzadehdizaji R., Sanli F. B., ABDİKAN S., Çakır Z., ŞEKERTEKİN A., Ustuner M.  
APPLIED SCIENCES-BASEL, vol.9, no.4, 2019 (SCI-Expanded)
- XXIII. **The acquisition of impervious surface area from LANDSAT 8 satellite sensor data using urban**

### **indices: a comparative analysis**

ŞEKERTEKİN A., ABDİKAN S., Marangoz A. M.

ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.190, no.7, 2018 (SCI-Expanded)

- XXIV. **THE ROLE OF SAR REMOTE SENSING TO DETECT OIL POLLUTION AND EMERGENCY INTERVENTION**  
Abdikan S., Bayik C., BALIK ŞANLI F.  
OIL SPILL ALONG THE TURKISH STRAITS SEA AREA; ACCIDENTS, ENVIRONMENTAL POLLUTION, SOCIO-ECONOMIC IMPACTS AND PROTECTION, vol.47, pp.157-175, 2018 (SCI-Expanded)
- XXV. **Exploring image fusion of ALOS/PALSAR data and LANDSAT data to differentiate forest area**  
ABDİKAN S.  
GEOCARTO INTERNATIONAL, vol.33, no.1, pp.21-37, 2018 (SCI-Expanded)
- XXVI. **Evaluation of image fusion methods using PALSAR, RADARSAT-1 and SPOT images for land use/land cover classification**  
Sanli F. B., ABDİKAN S., ESETLİLİ M. T., Sunar A. F.  
JOURNAL OF THE INDIAN SOCIETY OF REMOTE SENSING, vol.45, no.4, pp.591-601, 2017 (SCI-Expanded)
- XXVII. **DInSAR-Based Detection of Land Subsidence and Correlation with Groundwater Depletion in Konya Plain, Turkey**  
Calo F., Notti D., Galve J. P., ABDİKAN S., Görüm T., Pepe A., Sanli F. B.  
REMOTE SENSING, vol.9, no.1, 2017 (SCI-Expanded)
- XXVIII. **COMPARISON OF CROP CLASSIFICATION METHODS FOR THE SUSTAINABLE AGRICULTURE MANAGEMENT**  
Ustuner M., ESETLİLİ M. T., Sanli F. B., ABDİKAN S., KURUCU Y.  
JOURNAL OF ENVIRONMENTAL PROTECTION AND ECOLOGY, vol.17, no.2, pp.648-655, 2016 (SCI-Expanded)
- XXIX. **The Space-Borne SBAS-DInSAR Technique as a Supporting Tool for Sustainable Urban Policies: The Case of Istanbul Megacity, Turkey**  
Calo F., ABDİKAN S., Görüm T., Pepe A., KILIÇ H., Sanli F. B.  
REMOTE SENSING, vol.7, no.12, pp.16519-16536, 2015 (SCI-Expanded)
- XXX. **Enhancing land use classification with fusing dual-polarized TerraSAR-X and multispectral RapidEye data**  
ABDİKAN S., BİLGİN G., Sanli F. B., USLU E., Ustuner M.  
JOURNAL OF APPLIED REMOTE SENSING, vol.9, 2015 (SCI-Expanded)
- XXXI. **Monitoring of coal mining subsidence in peri-urban area of Zonguldak city (NW Turkey) with persistent scatterer interferometry using ALOS-PALSAR**  
ABDİKAN S., Arikan M., Sanli F. B., Çakır Z.  
ENVIRONMENTAL EARTH SCIENCES, vol.71, no.9, pp.4081-4089, 2014 (SCI-Expanded)
- XXXII. **A comparative data-fusion analysis of multi-sensor satellite images**  
ABDİKAN S., Sanli F. B., Sunar A. F., Ehlers M.  
INTERNATIONAL JOURNAL OF DIGITAL EARTH, vol.7, no.8, pp.671-687, 2014 (SCI-Expanded)
- XXXIII. **COMPARISON OF DIFFERENT FUSION ALGORITHMS IN URBAN AND AGRICULTURAL AREAS USING SAR (PALSAR AND RADARSAT) AND OPTICAL (SPOT) IMAGES**  
ABDİKAN S., Sanli F. B.  
BOLETIM DE CIENCIAS GEODESICAS, vol.18, no.4, pp.509-531, 2012 (SCI-Expanded)

### **Articles Published in Other Journals**

- I. **Estimating Stand Top Height Using Freely Distributed ICESat-2 LiDAR Data: A Case Study from Multi-species Forests in Artvin**  
Narin O. G., Vatandaşlar C., Abdikan S.  
FORESTIST, vol.72, no.3, pp.294-298, 2022 (ESCI)
- II. **Toprak neminin yarı kurak alanlarda çok zamanlı RADARSAT-2 verileri ile incelenmesi**  
Madenoğlu S., Özcan H., Peker M. R., Pınar M. Ö., Akgül S., Keçeci M., Tunçay T., Seçmen M. H., Koç A., Üstüner M., et

al.

Jeodezi ve jeoinformasyon dergisi (Online), vol.9, no.1, pp.1-11, 2022 (Peer-Reviewed Journal)

III. **Fındık Bahçelerinin Sentinel-2 Verileri Kullanılarak Piksel Tabanlı Sınıflandırma Yöntemleriyle Belirlenmesi**

APAYDIN C., ABDİKAN S.

Geomatik, vol.6, no.2, pp.107-114, 2021 (Peer-Reviewed Journal)

IV. **Hafif Gradyan Artırma Makineleri ile Tarımsal Ürünlerin Sınıflandırılması**

Abdikan S., Bilgin G., Balık Şanlı F., Üstüner M.

Türk Uzaktan Algılama ve CBS Dergisi, vol.1, no.2, pp.97-105, 2020 (Peer-Reviewed Journal)

V. **RASAT verisi kullanarak farklı pan-keskinleştirme yöntemlerinin istatistiksel analizi**

ABDİKAN S.

Türk Coğrafya Dergisi, vol.68, pp.57-62, 2017 (Peer-Reviewed Journal)

VI. **Zonguldak maden alanlarında meydana gelen yer yüzeyi hareketlerinin insar zaman serileri ile belirlenmesi**

ABDİKAN S., Arıkan M., BALIK ŞANLI F., ÇAKIR Z., KEMALDERE H.

Harita Dergisi, no.149, pp.1-6, 2013 (Peer-Reviewed Journal)

## Books & Book Chapters

I. **Bölüm 6: Mikrodalga Algılama ve Lidar**

ABDİKAN S.

in: UZAKTAN ALGILAMA VE GÖRÜNTÜ YORUMLAMA (Remote Sensing and Image Interpretation), Kaan Şevki KAVAK, Editor, Palme Yayınevi, Ankara, pp.385-484, 2018

## Refereed Congress / Symposium Publications in Proceedings

I. **CROP HEIGHT ESTIMATION OF WHEAT USING SENTINEL-1 SATELLITE IMAGERY: PRELIMINARY RESULTS**

Narin O., Bayık C., Sekertekin A., Madenoğlu S., Pinar M., ABDİKAN S., BALIK ŞANLI F.

8th International Conference on GeoInformation Advances, GeoAdvances 2024, İstanbul, Turkey, 11 - 12 January 2024, vol.48, pp.267-273

II. **PREDICTION OF LONG-TERM SENTINEL-1 INSAR TIME SERIES ANALYSIS**

ABDİKAN S., Coskun S., Narin O., Bayık C., Calò F., Pepe A., BALIK ŞANLI F.

39th International Symposium on Remote Sensing of Environment, ISRSE 2023, Antalya, Turkey, 24 - 28 April 2023, vol.48, pp.3-8

III. **Land Subsidence Analysis Using PAZ and Sentinel-1 Data on the Karstic Region of Konya Basin, Turkey**

Abdikan S., Bayık Ç., Calò F., Pepe A., Arıkan M., Balık Şanlı F.

Tenth International Symposium on Land Subsidence TISOLS 2023, Zuid-Holland, Netherlands, 17 - 21 April 2023, pp.1-5

IV. **Multi-Criteria Strategy for Estimating GEDI Terrain Height**

Narin O. G., Lindenbergh R., ABDİKAN S.

10th International Conference on Recent Advances in Air and Space Technologies, RAST 2023, İstanbul, Turkey, 7 - 09 June 2023

V. **USING RVI AND NDVI TIME SERIES FOR CROPLAND MAPPING WITH TIME-WEIGHTED DYNAMIC TIME WARPING**

Narin O., Bayık C., ABDİKAN S., BALIK ŞANLI F.

7th International Conference on Smart City Applications, SCA 2022, Castelo Branco, Portugal, 19 - 21 October 2022, vol.48, pp.97-101

- VI. **EVALUATION OF DEM DERIVED BY REPEAT-PASS X-BAND STRIPMAP MODE PAZ DATA**  
Abdikan S., Bayik C., Calò F., Pepe A., Balık Şanlı F.  
2022 24th ISPRS Congress on Imaging Today, Foreseeing Tomorrow, Commission III, Nice, France, 6 - 11 June 2022, vol.43, pp.243-248
- VII. **YIELD ESTIMATION of SUNFLOWER PLANT with CNN and ANN USING SENTINEL-2**  
Narin O., Şekertekin A., Abdikan S., Balık Şanlı F., Gullu M.  
6th International Conference on Smart City Applications, Safranbolu, Turkey, 27 - 29 October 2021, vol.46, pp.385-389
- VIII. **Coherence and backscatter based cropland mapping using multi-temporal sentinel-1 with dynamic time warping**  
Narin O., Abdikan S., Bayik C., Şekertekin A., Delen A., Balık Şanlı F.  
24th ISPRS Congress on Imaging Today, Foreseeing Tomorrow, Commission V and Youth Forum, Nice, France, 5 - 09 July 2021, vol.43, pp.37-41
- IX. **Repeat-pass interferometric and backscatter analysis of X-band PAZ satellite-First results**  
ABDİKAN S., Bayik C., Ustuner M., BALIK ŞANLI F.  
2020 24th ISPRS Congress - Technical Commission III, Nice, Virtual, France, 31 August - 02 September 2020, vol.43, pp.253-258
- X. **OBJECT BASED FLOODING EXTENT MAPPING WITH SENTINEL-2 DATA**  
DELEN A., ABDİKAN S., BALIK ŞANLI F., BEKTAŞ BALÇIK F., GÖKSEL Ç.  
ATMOS, 23 - 26 November 2019
- XI. **The Use Of Sentinel-2 Satellite Data in Examining The Relationship Between Yield And Vegetation Indices For Sunflower Plant**  
NARİN Ö. G., ABDİKAN S., ŞEKERTEKİN A., DELEN A., BALIK ŞANLI F.  
International Symposium on Applied Geoinformatics (ISAG-2019), İstanbul, Turkey, 7 - 09 November 2019, pp.258-262
- XII. **Determination of Forest Fire Area by Using Satellite Images: Muğla Case**  
KURNAZ B., BAYIK Ç., ABDİKAN S.  
3rd International Conference on Advanced Engineering Technologies (ICADET), Bayburt, Turkey, 19 - 21 September 2019, pp.1465-1472
- XIII. **An Assessment of Urban Area Extraction Using ALOS-2 Data**  
ABDİKAN S., BAYIK Ç., BALIK ŞANLI F., ÜSTÜNER M.  
2019 9th International Conference on Recent Advances in Space Technologies (RAST), Istanbul, Turkey, Turkey, 11 - 14 June 2019
- XIV. **Forest type classification using morphological operators and Forest PA method**  
ÜSTÜNER M., BALIK ŞANLI F., ABDİKAN S.  
AIT2018 Italian Society of Remote Sensing IX Conference, Firenze, Italy, 4 - 06 July 2018, pp.49-52
- XV. **INSAR ANALYSIS OF AYVACIK 2017 (MW 5.3) EARTHQUAKE SWARM (CANAKKALE, NW-TURKEY)**  
ABDİKAN S., İmamoğlu M., Alasağ T., TOKER M., KUTOĞLU Ş. H., ŞAHİN Ş.  
ISPRS Geospatial Week 2019, Enschede, Netherlands, 10 June - 14 October 2019, pp.1907-1911
- XVI. **SENTINEL-2 UYDUSUNUN AYÇİÇEĞİ BİTKİSİNİ İZLEMEDEKİ PERFORMANS ANALİZİ**  
NARİN Ö. G., ABDİKAN S., ŞEKERTEKİN A., DELEN A., BALIK ŞANLI F.  
TUFUAB X. Teknik Sempozyumu, Aksaray, Turkey, 25 - 27 April 2019, pp.190-194
- XVII. **SENTİNEL-2A VERİSİ KULLANARAK TARIMSAL ÜRÜN DESENİNİN BELİRLENMESİ**  
NARİN Ö. G., DELEN A., ABDİKAN S.  
UZAL-CBS 2018, Turkey, 18 - 21 September 2018
- XVIII. **A Booster Analysis of Extreme Gradient Boosting for Crop Classification using PolSAR Imagery**  
Ustuner M., Sanli F. B., ABDİKAN S., BİLGİN G., Göksele Ç.  
8th International Conference on Agro-Geoinformatics (Agro-Geoinformatics), İstanbul, Turkey, 16 - 19 July 2019
- XIX. **Preliminary Results of Temporal Deformation Analysis in Istanbul Using Multi-Temporal Insar with Sentinel-1 Sar Data**  
İmamoğlu M., ABDİKAN S., Kahraman F.

IGARSS 2018 - 2018 IEEE International Geoscience and Remote Sensing Symposium, Valencia, Spain, 22 - 27 July 2018, pp.1352-1355

- XX. **AN APPLICATION OF ROLL-INVARIANT POLARIMETRIC FEATURES FOR CROP CLASSIFICATION FROM MULTI-TEMPORAL RADARSAT-2 SAR DATA**  
ÜSTÜNER M., BALIK ŞANLI F., ABDİKAN S., Esetili M. T., BİLGİN G.  
ISPRS TC I Mid-term Symposium Innovative Sensing – From Sensors to Methods and Applications, Karlsruhe, Germany, 10 - 12 October 2018, vol.1, pp.451-456
- XXI. **Backscatter analysis using multi-temporal Sentinel-1 SAR data for Crop growth of Maize in Konya Basin, Turkey**  
ABDİKAN S., ŞEKERTEKİN A., ÜSTÜNER M., BALIK ŞANLI F., Nasirzadehdizaji R.  
ISPRS Technical Commission III Symposium on "Developments, Technologies and applications in Remote Sensing", Pekin, China, 7 - 10 May 2018, vol.3, pp.9-13
- XXII. **Monitoring Urban Green Space Using Göktürk-2 Data: A Case Study For Edirne City**  
BALIK ŞANLI F., DELEN A., ÜSTÜNER M., BAYIK Ç., ABDİKAN S.  
The 2nd International Urban, Environment and Health Congress, Kapadokya/ Ürgüp/ Nevşehir, Turkey, 16 - 20 April 2018
- XXIII. **Exploiting Multi-Temporal Sentinel-1 SAR Data for Flood Extend Mapping**  
BAYIK Ç., ABDİKAN S., Ozbulak G., Alasag T., Aydemir S., BALIK ŞANLI F.  
GeoInformation For Disaster Management (Gi4DM), İstanbul, Turkey, 18 - 21 March 2018, pp.109-113
- XXIV. **A MULTI-SOURCE DATA APPROACH FOR THE INVESTIGATION OF LAND SUBSIDENCE IN THE KONYA BASIN, TURKEY**  
Calo F., Davide N., Galve J. P., ABDİKAN S., GÖRÜM T., ORHAN O., MAKİNECİ H. B., Pepe A., YAKAR M., BALIK ŞANLI F.  
GeoInformation For Disaster Management (Gi4DM), İstanbul, Turkey, 18 - 21 March 2018, pp.129-135
- XXV. **Assessment of ALOS PALSAR 25-m mosaic data for land cover mapping**  
ABDİKAN S., BAYIK Ç.  
2017 9th International Workshop on the Analysis of Multitemporal Remote Sensing Images (MultiTemp), Brugge, Belgium, Belgium, 27 - 29 June 2017
- XXVI. **Performance Analysis of Landsat 8 OLI Images to Determine Land Use/Cover Using TCT and Pansharpening Methods**  
BALIK ŞANLI F., GÖKSEL Ç., BEKTAŞ BALÇIK F., ABDİKAN S.  
28th International Cartographic Conference, United States Of America, 2 - 07 July 2017
- XXVII. **Bitki Örtüsü İndekslerinin Tarımsal Ürün Deseni Tespitindeki Etkisinin Araştırılması**  
ÜSTÜNER M., BALIK ŞANLI F., ABDİKAN S.  
VI. Uzaktan Algılama ve Coğrafi Bilgi Sistemleri Sempozyumu, Turkey, 5 - 07 October 2016
- XXVIII. **Uzaktan Algılama Görüntülerinden Konuma Bağlı Bilgi Üretimi Araştırmalarında Zonguldak Test Alanının Önemi**  
BAYIK Ç., TOPAN H., ÖZENDİ M., ORUÇ M., CAM A., ABDİKAN S.  
VI. Uzaktan Algılama ve Coğrafi Bilgi Sistemleri Sempozyumu, Adana, Turkey, 5 - 07 October 2016
- XXIX. **Preliminary Results of Estimating Soil Moisture Over Bare Soil Using Full Polarimetric ALOS 2 Data**  
ŞEKERTEKİN A., MARANGOZ A. M., ABDİKAN S., Esetili M. T.  
Geoadvances 2016, Turkey, 16 - 17 October 2016, vol.42, pp.173-176
- XXX. **Land Cover Mapping Using SENTINEL 1 SAR Data**  
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XXIII ISPRS Congress, Prag, Czech Republic, 12 - 19 July 2016, vol.41, pp.757-761
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V. Uzaktan Algılama ve Coğrafi Bilgi Sistemleri Sempozyumu, İstanbul, Turkey, 14 - 17 October 2014

XXXVI. **Kırmızı-Kenar Ve Yakın Kızılötesi Bantlarının Ürün Deseni Sınıflandırma Doğruluğuna Olan Etkisinin Araştırılması**

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## Supported Projects

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Görüm T., Abdikan S., Süzen M. L., Şen Ö. L., TÜBİTAK Project, Identification and Monitoring of Landslides Triggered by 06 February 2023 Mw 7.8 and Mw 7.6 Earthquakes and Assessment of Cascading Geomorphic Hazard Potentials, 2023 - 2026

Balık Şanlı F., Abdikan S., Bayık Ç., Bayrak O. C., Narin Ö. G., Acar U., TÜBİTAK Project, Automatic Detection of Coastline and Sea Ice Classes Using Deep Learning: Antarctic-Marguerite Bay Case, 2023 - 2025

Abdikan S., TÜBİTAK International Bilateral Joint Cooperation Program Project, Monitoring Rice Fields by Joint Use of Multi-temporal SAR and Optical Data for Yield and Growth Estimation, 2023 - 2025

Abdikan S., Pepe A., EU Supported Other Project, Global climate change, sea level Rise, Extreme Events and local ground subsidence effects in coastal and river delta regions through Novel and Integrated remote sensing approaches, 2020 - 2024

ABDİKAN S., BAYIK Ç., Project Supported by Higher Education Institutions, Konya Karapınar bölgesinde meydana gelen yüzey hareketlerinin belirlenmesi, 2021 - 2023

Abdikan S., Aktuğ B., TÜBİTAK Project, Jeodezik Ölçülerle Yerkabugu Rijidite Degisimlerinin Belirlenmesi, 2018 - 2021

Abdikan S., Industrial Organizations of Other Countries Supported Project, Earth Surface Deformation Monitoring Using L-band Interferometric SAR data, 2016 - 2021

Abdikan S., Narin Ö. G., Project Supported by Higher Education Institutions, Bitki Gelişim Evrelerinin Uzaktan Algılama Yöntemi İle İncelenmesi , 2018 - 2020

Abdikan S., Balık Şanlı F., Üstüner M., Esetlili M. T., Bilgin G., Project Supported by Higher Education Institutions, POLARİMETRİK AYRIŞTIRMA YÖNTEMLERİNİN TARIMSAL ÜRÜN DESENİ TESPİTİNDEKİ ETKİSİNİN ARAŞTIRILMASI, 2017 - 2020

Abdikan S., Madenoğlu S., TAGEM Tarımsal Araştırmalar ve Politikalar Genel Müdürlüğü Projesi, Toprak Nemi ve Toprak Pürüzlülüğünün Konumsal ve Zamansal Değişiminin Mikrodalga Uydu Görüntüleriyle Belirlenmesi ve İzlenmesi, 2014 - 2020

Abdikan S., Other International Funding Programs, Sinkhole Subsidence Monitoring in Konya Basin with Interferometric SAR Time Series Analysis, 2011 - 2018

Abdikan S., Industrial Organizations of Other Countries Supported Project, Deformation monitoring in mega city Istanbul with TerraSAR-X using InSAR time series analyses. , 2013 - 2015

## **Activities in Scientific Journals**

GEO-SPATIAL INFORMATION SCIENCE, Committee Member, 2020 - Continues

## **Memberships / Tasks in Scientific Organizations**

International Society for Photogrammetry and Remote Sensing, Member, 2016 - 2022, Germany

## **Scientific Refereeing**

IEEE TRANSACTIONS ON GEOSCIENCE AND REMOTE SENSING, SCI Journal, February 2021

## **Scientific Consultations**

TÜBİTAK BİLGEM, Scientific Consultancy, Zonguldak Bülent Ecevit Üniversitesi, Faculty Of Engineering, Geomatik Mühendisliği Bölümü, Turkey, 2017 - 2018

## **Tasks In Event Organizations**

Abdikan S., International Symposium On Applied Geoinformatics, Scientific Congress, İstanbul, Turkey, Kasım 2019

Abdikan S., ISPRS ISPRS Technical Commission III WG III/2, 10 Joint Workshop Multidisciplinary Remote Sensing for Environmental Monitoring, Workshop Organization, Kyoto, Japan, Mart 2019

## **Metrics**

Publication: 92

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## **Scholarships**

Huygens Scholarship, Official Institutions of Foreign Countries, 2009 - 2011

## **Non Academic Experience**

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