

## Assoc. Prof. ALİİHSAN ŞEKERTEKİN

### Personal Information

**Office Phone:** [+90 322 613 7311](tel:+903226137311)

**Email:** asekertekin@cu.edu.tr

**Other Email:** aliihsan\_sekertekin@hotmail.com

**Web:** [https://www.researchgate.net/profile/Aliihsan\\_Sekertekin](https://www.researchgate.net/profile/Aliihsan_Sekertekin)

**Address:** Çukurova Üniversitesi Ceyhan Mühendislik Fakültesi Gaziosman Paşa Mah. Uğur Mumcu Bulvarı No: 90 01950 Ceyhan/Adana

### Education Information

Doctorate, Bülent Ecevit Üniversitesi, Fen Bilimleri Enstitüsü, Geomatik Mühendisliği Anabilim Dalı, Turkey 2013 - 2018

Post Graduate, Bülent Ecevit Üniversitesi, Fen Bilimleri Enstitüsü, Geomatik Mühendisliği Anabilim Dalı, Turkey 2010 - 2013

Under Graduate, Bülent Ecevit Üniversitesi, Mühendislik Fakültesi, Jeodezi Ve Fotogrametri Mühendisliği Bölümü, Turkey 2005 - 2010

### Foreign Languages

English, B2 Upper Intermediate

### Certificates, Courses and Trainings

Education Management and Planning, ERASMUS+ Staff Mobility Programme, The Center for the Study of the Biosphere from Space (CESBIO), Advisor: Dr. Mehrez ZRIBI, 2019

Education Management and Planning, ERASMUS+ Staff Mobility Programme, The Center for the Study of the Biosphere from Space (CESBIO), Advisor: Dr. Mehrez ZRIBI, 2016

### Dissertations

Doctorate, Aktif Mikrodalga Uydu Görüntü Verileri Kullanılarak Toprak Neminin Belirlenmesi, Bülent Ecevit Üniversitesi, Fen Bilimleri Enstitüsü, Geomatik Mühendisliği Anabilim Dalı, 2018

Post Graduate, Uzaktan Algılama Verileri ile Bölgesel Çevre Etkilerinin Belirlenmesi: Zonguldak Örneği, Bülent Ecevit Üniversitesi, Mühendislik Fakültesi, Geomatik Mühendisliği Anabilim Dalı, 2013

### Research Areas

Geographic Information Systems and Remote Sensing, Atmospheric Sciences and Meteorological Engineering, Geotechnical Engineering, Remote sensing, Pattern Recognition and Image Processing, Engineering and Technology

### Academic Titles / Tasks

Research Assistant PhD, Cukurova University, Ceyhan Mühendislik Fakültesi, Harita Mühendisliği, 2018 - Continues  
Research Assistant, Zonguldak Bülent Ecevit University, Faculty Of Engineering, 2012 - 2018  
Research Assistant, Cukurova University, Ceyhan Mühendislik Fakültesi, Harita Mühendisliği, 2011 - 2012

## Courses

Temel Bilgi Teknolojileri, Under Graduate, 2018 - 2019  
Matematik 1, Under Graduate, 2018 - 2019  
Temel Bilgi Teknolojileri, Under Graduate, 2018 - 2019  
Mühendisler İçin Matematik 1, Under Graduate, 2018 - 2019

## Advising Theses

Marangoz A. M. , Şekertekin A., Investigation of the effects of artificial water structures on change of surface land temperature use meteorological data and satellite images: A case study of Afyonkarahisar, Post Graduate, N.GÖKDEMİR(Student), 2020

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

- I. **Atmospheric, ionospheric and earth-related variations associated with the 11th August 2012 earthquakes, Ahar, Iran**  
Mohamed E. K. , Gahalaut V. K. , Şekertekin A., İnyurt S.  
Journal Of Atmospheric And Solar-Terrestrial Physics, vol.216, pp.1-13, 2021 (Journal Indexed in SCI)
- II. **Prediction of 10-min, hourly, and daily atmospheric air temperature: comparison of LSTM, ANFIS-FCM, and ARMA**  
Özbek A., Şekertekin A., Bilgili M., Arslan N.  
Arabian Journal Of Geosciences, vol.14, no.7, pp.1-16, 2021 (Journal Indexed in SCI Expanded)
- III. **Short-term air temperature prediction by adaptive neuro-fuzzy inference system (ANFIS) and long short-term memory (LSTM) network**  
Şekertekin A., Bilgili M., Arslan N., Yildirim A., Çelebi K., Özbek A.  
METEOROLOGY AND ATMOSPHERIC PHYSICS, 2021 (Journal Indexed in SCI)
- IV. **Simulation of future land surface temperature distribution and evaluating surface urban heat island based on impervious surface area**  
Şekertekin A., Zadbagher E.  
ECOLOGICAL INDICATORS, vol.122, pp.1-11, 2021 (Journal Indexed in SCI)
- V. **Modeling Diurnal Land Surface Temperature on a Local Scale of an Arid Environment Using Artificial Neural Network (ANN) and Time Series of Landsat-8 Derived Spectral Indexes**  
Şekertekin A., Arslan N., Bilgili M.  
Journal of Atmospheric and Solar-Terrestrial Physics, vol.206, 2020 (Journal Indexed in SCI)
- VI. **Sensitivity Analysis and Validation of Daytime and Nighttime Land Surface Temperature Retrievals from Landsat 8 Using Different Algorithms and Emissivity Models**  
ŞEKERTEKİN A., Bonafoni S.  
REMOTE SENSING, vol.12, no.17, 2020 (Journal Indexed in SCI)
- VII. **Albedo Retrieval From Sentinel-2 by New Narrow-to-Broadband Conversion Coefficients**  
Bonafoni S., ŞEKERTEKİN A.  
IEEE GEOSCIENCE AND REMOTE SENSING LETTERS, vol.17, no.9, pp.1618-1622, 2020 (Journal Indexed in SCI)
- VIII. **Ionospheric TEC forecasting using Gaussian Process Regression (GPR) and Multiple Linear Regression (MLR) in Turkey**

Inyurt S., Hasanpour Kashani M., ŞEKERTEKİN A.

ASTROPHYSICS AND SPACE SCIENCE, vol.365, no.6, 2020 (Journal Indexed in SCI)

- IX. **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 (Journal Indexed in SCI)
- X. **Pre-seismic ionospheric anomalies and spatio-temporal analyses of MODIS Land surface temperature and aerosols associated with Sep, 24 2013 Pakistan Earthquake**  
ŞEKERTEKİN A., Inyurt S., YAPRAK S.  
JOURNAL OF ATMOSPHERIC AND SOLAR-TERRESTRIAL PHYSICS, vol.200, 2020 (Journal Indexed in SCI)
- XI. **A Survey on Global Thresholding Methods for Mapping Open Water Body Using Sentinel-2 Satellite Imagery and Normalized Difference Water Index**  
ŞEKERTEKİN A.  
ARCHIVES OF COMPUTATIONAL METHODS IN ENGINEERING, 2020 (Journal Indexed in SCI)
- XII. **Land Surface Temperature Retrieval from Landsat 5, 7, and 8 over Rural Areas: Assessment of Different Retrieval Algorithms and Emissivity Models and Toolbox Implementation**  
ŞEKERTEKİN A., Bonafoni S.  
REMOTE SENSING, vol.12, no.2, 2020 (Journal Indexed in SCI)
- XIII. **Validation of Physical Radiative Transfer Equation-Based Land Surface Temperature Using Landsat 8 Satellite Imagery and SURFRAD in-situ Measurements**  
ŞEKERTEKİN A.  
JOURNAL OF ATMOSPHERIC AND SOLAR-TERRESTRIAL PHYSICS, vol.196, 2019 (Journal Indexed in SCI)
- XIV. **Application of Long Short-Term Memory neural network model for the reconstruction of MODIS Land Surface Temperature images**  
ARSLAN N., ŞEKERTEKİN A.  
JOURNAL OF ATMOSPHERIC AND SOLAR-TERRESTRIAL PHYSICS, vol.194, 2019 (Journal Indexed in SCI)
- XV. **Potential of global thresholding methods for the identification of surface water resources using Sentinel-2 satellite imagery and normalized difference water index**  
ŞEKERTEKİN A.  
JOURNAL OF APPLIED REMOTE SENSING, vol.13, no.4, 2019 (Journal Indexed in SCI)
- XVI. **Modeling and predicting seasonal ionospheric variations in Turkey using artificial neural network (ANN)**  
Inyurt S., ŞEKERTEKİN A.  
ASTROPHYSICS AND SPACE SCIENCE, vol.364, no.4, 2019 (Journal Indexed in SCI)
- XVII. **Monitoring thermal anomaly and radiative heat flux using thermal infrared satellite imagery - A case study at Tuzla geothermal region**  
ŞEKERTEKİN A., ARSLAN N.  
GEOTHERMICS, vol.78, pp.243-254, 2019 (Journal Indexed in SCI)
- XVIII. **Sensitivity Analysis of Multi-Temporal Sentinel-1 SAR Parameters to Crop Height and Canopy Coverage**  
Nasirzadehdizaji R., Sanli F. B. , Abdikan S., Çakır Z., ŞEKERTEKİN A., ÜSTÜNER M.  
APPLIED SCIENCES-BASEL, vol.9, no.4, 2019 (Journal Indexed in SCI)
- XIX. **The acquisition of impervious surface area from LANDSAT 8 satellite sensor data using urban indices: a comparative analysis**  
ŞEKERTEKİN A., Abdikan S., Marangoz A. M.  
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.190, no.7, 2018 (Journal Indexed in SCI)
- XX. **Evaluation of spatio-temporal variability in Land Surface Temperature: A case study of Zonguldak, Turkey**  
Sekertekin A., KUTOĞLU Ş. H. , Kaya Ş.  
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.188, no.1, 2016 (Journal Indexed in SCI)

## Articles Published in Other Journals

- I. **Mapping of Land Surface Temperature Using Landsat-8 Satellite Data Based on the Radiative Transfer Equation**  
Şekertekin A.  
Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, vol.19, no.3, pp.769-777, 2019 (National Refreed University Journal)
- II. **Zonguldak Metropolitan Alanındaki Arazi Kullanımı Arazi Örtüsünün Yer Yüzey Sıcaklığına Etkisi**  
Şekertekin A., Marangoz A. M.  
Geomatik Dergisi, vol.4, no.2, pp.101-111, 2019 (Other Refereed National Journals)
- III. **Soil Moisture Mapping Using Sentinel-1A Synthetic Aperture Radar Data**  
ŞEKERTEKİN A., Marangoz A. M. , Abdikan S.  
International Journal of Environment and Geoinformatics, vol.5, no.2, pp.178-188, 2018 (Refereed Journals of Other Institutions)
- IV. **An Erdas Imagine Model to Extract Urban Indices Using Landsat 8 Satellite Imagery**  
ŞEKERTEKİN A., Marangoz A. M.  
International Journal of Scientific & Technology Research, vol.6, no.1, pp.62-67, 2017 (Refereed Journals of Other Institutions)
- V. **Uzaktan Algılama Teknolojisi ve Uydu Görüntüleri Yardımıyla Önemli Çevresel (Su Ve Kara Yüzeyi) Etkilerin Gözlemlenmesi**  
ŞEKERTEKİN A., KUTOĞLU S. H. , MARANGOZ A. M.  
KARAEMLAS FEN VE MÜHENDİSLİK DERGİSİ, vol.5, no.2, pp.105-112, 2015 (National Refreed University Journal)
- VI. **Açık Maden İşletmeciliği Uygulamalarında Elipsoidal Yükseklik Farklarından Ortometrik Yükseklik Belirleme Üzerine Deneysel Araştırma**  
AKCIN H., ŞEKERTEKİN A.  
Harita Teknolojileri Elektronik Dergisi, vol.6, no.3, pp.22-31, 2014 (National Refreed University Journal)

## Books & Book Chapters

- I. **Development of a Geospatial Model for Automated Retrieval of Land Surface Temperature from Landsat 8 Satellite Imagery**  
ŞEKERTEKİN A.  
in: Theoretical Investigations and Applied Studies in Engineering, Turgut OZSEVEN, Editor, Ekin Publishing House, Bursa, pp.143-156, 2019
- II. **Mapping of Surface Water Resources: A Comparative Analysis of Eight Image Classification Methods**  
ŞEKERTEKİN A.  
in: Theoretical Investigations and Applied Studies in Engineering, Turgut OZSEVEN, Editor, Ekin Publishing House, Bursa, pp.269-284, 2019
- III. **Development of a Geospatial Model for Automated Retrieval of Land Surface Temperature from Landsat 8 Satellite Imagery**  
ŞEKERTEKİN A.  
in: Theoretical Investigations and Applied Studies in Engineering, Turgut Ozseven, Ebubekir Yasar, Editor, EKİN Publishing House, Bursa, pp.143-156, 2019
- IV. **Mapping of Surface Water Resources: A Comparative Analysis of Eight Image Classification Methods**  
ŞEKERTEKİN A.  
in: Theoretical Investigations and Applied Studies in Engineering, Turgut Ozseven, Ebubekir Yasar, Editor, EKİN Publishing House, Bursa, pp.269-284, 2019

## Refereed Congress / Symposium Publications in Proceedings

- I. **The Use Of Sentinel-2 Satellite Data In Examining the Relationship Between Yield and Vegetation Indices for Sunflower Plant**  
Narin Ö. G. , Abdikan S., ŞEKERTEKİN A., DELEN A., Balik Sanli F.  
International Symposium on Applied Geoinformatics (ISAG-2019), İstanbul, Turkey, 7 - 09 November 2019
- II. **Use of Thermal Infrared Remote Sensing in Geothermal Exploration**  
ŞEKERTEKİN A., ARSLAN N.  
Second International Congress on Geographical Education (ICGE/UCEK-2019), Eskişehir, Turkey, 3 - 05 October 2019, pp.358-0
- III. **Building a Geospatial Model in GIS Environment for Automated Retrieval of Satellite-Based Land Surface Temperature**  
ŞEKERTEKİN A.  
Second International Congress on Geographical Education (ICGE/UCEK-2019), Eskişehir, Turkey, 3 - 05 October 2019, pp.357-0
- IV. **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
- V. **Sentinel-2 Uydusunun Ayçiçeği Bitkisini İzlemedeki Performans Analizi**  
Narin Ö. G. , Abdikan S., ŞEKERTEKİN A., DELEN A., Balik Sanli F.  
TUFUAB X. Teknik Sempozyumu, Aksaray, Turkey, 25 - 27 April 2019, pp.190-194
- VI. **Discovering the Changes in Land Surface Temperature Caused by the Conversion of Agricultural Lands to Residential and Urban Use**  
ŞEKERTEKİN A., ARSLAN N.  
9th International Conference on Recent Advances in Space Technologies (RAST), İstanbul, Turkey, 11 - 14 June 2019, pp.393-398
- VII. **Comparison of Pixel and Object-Based Classification Methods in Wetlands Using Sentinel-2 Data**  
ÇİÇEKLİ S. Y. , ŞEKERTEKİN A., ARSLAN N., DÖNMEZ C.  
3rd International Mediterranean Science and Engineering Congress (IMSEC 2018), Adana, Turkey, 24 - 26 October 2018, pp.298-302
- VIII. **Comparison of Pixel and Object-Based Classification Methods in Wetlands Using Sentinel-2 Data**  
ÇİÇEKLİ S. Y. , ŞEKERTEKİN A., ARSLAN N., DÖNMEZ C.  
3rd International Mediterranean Science and Engineering Congress (IMSEC 2018), Adana, Turkey, 24 - 26 October 2018, pp.298-302
- IX. **Comparison of Pixel and Object-Based Classification Methods in Wetlands Using Sentinel-2 Data**  
ÇİÇEKLİ S. Y. , ŞEKERTEKİN A., ARSLAN N., DÖNMEZ C.  
3rd International Mediterranean Science and Engineering Congress (IMSEC 2018), Adana, Turkey, 24 - 26 October 2018, pp.298-302
- X. **Index-Based Identification of Surface Water Resources Using Sentinel-2 Satellite Imagery**  
ŞEKERTEKİN A., ÇİÇEKLİ S. Y. , ARSLAN N.  
2nd International Symposium on Multidisciplinary Studies and Innovative Technologies, Ankara, Turkey, 19 - 21 October 2018
- XI. **GECE VE GÜNDÜZ YER YÜZEY SICAKLIĞI GÖRÜNTÜLERİ İLE YÜZEY ISI ADASI ANALİZİ**  
ŞEKERTEKİN A., ÇİÇEKLİ S. Y. , ARSLAN N.  
Uzaktan Algılama ve Coğrafi Bilgi Sistemleri Sempozyumu 2018 (UZAL-CBS 2018), Eskişehir, Turkey, 18 - 21 September 2018
- XII. **ADANA SEYHAN BARAJ GÖLÜ ALANININ MEVSİMSSEL DEĞİŞİMİNİN YAPAY SİNİR AĞLARI İLE ANALİZİ**  
ARSLAN N., ÇİÇEKLİ S. Y. , DÖNMEZ C., ŞEKERTEKİN A.  
Uzaktan Algılama ve Coğrafi Bilgi Sistemleri Sempozyumu 2018 (UZAL-CBS 2018), Eskişehir, Turkey, 18 - 21 September 2018
- XIII. **ADANA SEYHAN BARAJ GÖLÜ ALANININ MEVSİMSSEL DEĞİŞİMİNİN YAPAY SİNİR AĞLARI İLE ANALİZİ**

ARSLAN N., ÇİÇEKLİ S. Y. , DÖNMEZ C., ŞEKERTEKİN A.

Uzaktan Algılama ve Coğrafi Bilgi Sistemleri Sempozyumu 2018 (UZAL-CBS 2018), Eskişehir, Turkey, 18 - 21 September 2018

**XIV. ADANA SEYHAN BARAJ GÖLÜ ALANININ MEVSİMSSEL DEĞİŞİMİNİN YAPAY SİNİR AĞLARI İLE ANALİZİ**

ARSLAN N., ÇİÇEKLİ S. Y. , DÖNMEZ C., ŞEKERTEKİN A.

Uzaktan Algılama ve Coğrafi Bilgi Sistemleri Sempozyumu 2018 (UZAL-CBS 2018), Eskişehir, Turkey, 18 - 21 September 2018

**XV. GECE VE GÜNDÜZ YER YÜZEY SICAKLIĞI GÖRÜNTÜLERİ İLE YÜZEY ISI ADASI ANALİZİ**

ŞEKERTEKİN A., ÇİÇEKLİ S. Y. , ARSLAN N.

Uzaktan Algılama ve Coğrafi Bilgi Sistemleri Sempozyumu 2018 (UZAL-CBS 2018), Eskişehir, Turkey, 18 - 21 September 2018

**XVI. Backscatter analysis using multi-temporal Sentinel-1 SAR data for Crop growth of Maize in Konya Basin, Turkey**

Abdikan S., ŞEKERTEKİN A., Ustunern M., BALIK ŞANLI F., Nasirzadehdizaji R.

2018 ISPRS TC III Mid-Term Symposium on Developments, Technologies and Applications in Remote Sensing, Beijing, China, 7 - 10 May 2018, vol.42, pp.9-13

**XVII. Index-Based Identification of Surface Water Resources Using Sentinel-2 Satellite Imagery**

ŞEKERTEKİN A., ÇİÇEKLİ S. Y. , ARSLAN N.

2nd International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT), Kizilcahamam, Turkey, 19 - 21 October 2018, pp.610-614

**XVIII. Pixel-based classification analysis of land use land cover using Sentinel-2 and Landsat-8 data**

Sekertekin A., MARANGOZ A., AKCIN H.

4th International GeoAdvances Workshop - GeoAdvances 2017: ISPRS Workshop on Multi-Dimensional and Multi-Scale Spatial Data Modeling, Safranbolu, Karabuk, Turkey, 14 - 15 October 2017, vol.42, pp.91-93

**XIX. Investigation of WEB Based PPP GNSS Service Measurement in GIS Applications**

İNYURT S., AKÇIN H., ŞEKERTEKİN A.

International Symposium On GIS Applications in Geography Geosciences (ISGGG2017), Çanakkale, Turkey, 18 - 21 October 2017

**XX. Investigation of Geological Formations in terms of Land Use Land Cover (LULC) Map Extracted Using Sentinel-2 Image**

Marangoz A. M. , ŞEKERTEKİN A., AKCIN H., Bacak G.

International Symposium On GIS Applications in Geography & Geosciences, Çanakkale, Turkey, 18 - 21 October 2017, pp.219

**XXI. Examination of Forest Destruction Caused by the Production of IIA Group Mines of Türkiye Using Sentinel-2 Satellite Imagery**

AKCIN H., ŞEKERTEKİN A., Marangoz A. M.

International Symposium On GIS Applications in Geography & Geosciences, Çanakkale, Turkey, 18 - 21 October 2017, pp.143

**XXII. Landsat 8 Derived Land Surface Temperature (LST) and Its Relation to Land Use Land Cover Map (LULC)**

Akdogan O., Gumus R., Koc S., ŞEKERTEKİN A., Marangoz A. M.

International Symposium On GIS Applications in Geography & Geosciences, Çanakkale, Turkey, 18 - 21 October 2017, pp.321

**XXIII. Extraction of Surface Water Resources Using Remote Sensing Indices and Landsat 8 Data**

ŞEKERTEKİN A., Marangoz A. M. , AKCIN H.

International Symposium On GIS Applications in Geography & Geosciences, Çanakkale, Turkey, 18 - 21 October 2017, pp.288

**XXIV. INVESTIGATION OF WEB BASED PPP GNSS SERVICE MEASUREMENTS IN GIS APPLICATIONS**

Inyurt S., AKCIN H., ŞEKERTEKİN A.

International Symposium On GIS Applications in Geography & Geosciences, Çanakkale, Turkey, 18 - 21 October 2017, pp.256

- XXV. **GEOID DETERMINATION BY COMBINATION OF EVALUATED GNSS PPP DATA WITH ONLINE INTERNET SERVICES AND LEVELLING DATA IN 3-D EARTH SCIENCE APPLICATIONS**  
AKCIN H., Inyurt S., ŞEKERTEKİN A.  
International Symposium On GIS Applications in Geography & Geosciences, Çanakkale, Turkey, 18 - 21 October 2017, pp.105
- XXVI. **A Research Proposal Concerning Investigation of the Effects of Artificial Water Constructions on Humidity and Land Surface Temperature (LST): A Case Study of Afyonkarahisar**  
Gökdemir N., ŞEKERTEKİN A., Marangoz A. M.  
1st Engineers of Future ? International Student Symposium ? EFIS2017, Zonguldak, Turkey, 15 - 16 June 2017, pp.28
- XXVII. **An Investigation on the Accuracy of Classification Results for Tree Species in Forest Areas Using Pixel and Object-Based Classification Methods**  
Bıyıklı D., ŞEKERTEKİN A., Marangoz A. M.  
1st Engineers of Future ? International Student Symposium ? EFIS2017, Zonguldak, Turkey, 15 - 16 June 2017, pp.43
- XXVIII. **Urban Development Analysis of Zonguldak City by Remote Sensing Technologies**  
Yılmaz S., Marangoz A. M. , ŞEKERTEKİN A., Oruç M.  
1st Engineers of Future ? International Student Symposium ? EFIS2017, Zonguldak, Turkey, 15 - 16 June 2017, pp.67
- XXIX. **Land Surface Temperature Image Retrieval Using Landsat 8 Satellite Imagery**  
Gumus R., Akdogan O., Koc S., ŞEKERTEKİN A., Marangoz A. M.  
1st Engineers of Future ? International Student Symposium ? EFIS2017, Zonguldak, Turkey, 15 - 16 June 2017, pp.88
- XXX. **Analysis of land use land cover classification results derived from sentinel-2 image**  
Marangoz A. M. , Sekertekin A., Akçin H.  
17th International Multidisciplinary Scientific GeoConference, SGEM 2017, Albena, Bulgaria, 29 June - 05 July 2017, vol.17, pp.25-32
- XXXI. **Sürdürülebilir Havza Yönetimi İçin Kömüre Dayalı Kirliliğin Landsat 8 Görüntüleri ve Jeostatistiksel Analizlerle Zamansal İncelenmesi**  
AKCIN H., ŞEKERTEKİN A.  
6. UZAKTAN ALGILAMA-CBS SEMPOZYUMU (UZAL-CBS 2016), Adana, Turkey, 5 - 07 October 2016, pp.78-89
- XXXII. **Investigating Sedimentologic Water Pollution Due to Coal in Black Sea By Geostatistical Modelling of Thermal Satellite Images**  
AKÇIN H., ŞEKERTEKİN A.  
4th International Geography Symposium, Antalya, Turkey, 23 - 26 May 2016, pp.589-602
- XXXIII. **Zonguldak İli Kilimli İlçesi ve Termik Santral Bölgesinin Zamansal Değişiminin Uzaktan Algılama Teknikleri Kullanılarak İncelenmesi**  
Ustaoglu M., Marangoz A. M. , Oruç M., ŞEKERTEKİN A.  
4th International Geography Symposium (GEOMED 2016), Antalya, Turkey, 23 - 26 May 2016, pp.709-718
- XXXIV. **Investigating Sedimentologic Water Pollution Due to Coal in Black Sea By Geostatistical Modelling of Thermal Satellite Images**  
AKCIN H., ŞEKERTEKİN A.  
4th International Geography Symposium (GEOMED 2016), Antalya, Turkey, 23 - 26 May 2016, pp.589-602
- XXXV. **Nesne-Tabanlı Sınıflandırma Teknikleri İle Zonguldak İli Merkezine Ait 125 Yıllık Kıyı Şeridi Analizi**  
Marangoz A. M. , ŞEKERTEKİN A., Oruç M., GORMUS K. S.  
4th International Geography Symposium (GEOMED 2016), Antalya, Turkey, 23 - 26 May 2016, pp.652-663
- XXXVI. **The Surface Heat Island Effect of Urbanization: Spatial ? Temporal Analysis**  
ŞEKERTEKİN A., KUTOGLU S. H. , Marangoz A. M. , KAYA S.  
4th International Geography Symposium (GEOMED 2016), Antalya, Turkey, 23 - 26 May 2016, pp.80-87
- XXXVII. **MONITORING THE SURFACE HEAT ISLAND (SHI) EFFECTS OF INDUSTRIAL ENTERPRISES**  
Sekertekin A., Kutoglu S. H. , Kaya Ş., Marangoz A. M.

23rd Congress of the International-Society-for-Photogrammetry-and-Remote-Sensing (ISPRS), Prague, Czech Republic, 12 - 19 July 2016, vol.41, pp.289-293

- XXXVIII. **PRELIMINARY RESULTS OF ESTIMATING SOIL MOISTURE OVER BARE SOIL USING FULL-POLARIMETRIC ALOS-2 DATA**  
Sekertekin A., Marangoz A. M. , Abdikan S., ESETLİLİ M. T.  
3rd International GeoAdvances Workshop / ISPRS Workshop on Multi-dimensional and Multi-Scale Spatial Data Modeling, İstanbul, Turkey, 16 - 17 October 2016, pp.173-176
- XXXIX. **COASTAL EVALUATION OF 125-YEAR ZONGULDAK CITY REGION USING OBJECT-BASED IMAGE ANALYSIS**  
Marangoz A., Sekertekin A., Gormus K. S.  
16th International Multidisciplinary Scientific Geoconference (SGEM 2016), Albena, Bulgaria, 30 June - 06 July 2016, pp.831-838
- XL. **Uzaktan Algılama Teknikleri İle Zonguldak İli Kentsel Gelişiminin İzlenmesi ve Alternatif Yerleşim Alanlarının Belirlenmesi**  
Yılmaz S., Marangoz A. M. , ŞEKERTEKİN A., Oruç M., KUTOGLU S. H.  
TUFUAB VIII. Teknik Sempozyumu, Konya, Turkey, 21 - 23 May 2015, pp.398-405
- XLII. **Endüstriyel Alanlarda Risk Haritalarının Oluşturulması**  
AKCIN H., Uzun A. G. , Atalay C., ŞEKERTEKİN A.  
TMMOB Harita ve Kadastro Mühendisleri Odası, 15. Türkiye Harita Bilimsel ve Teknik Kurultayı, Ankara, Turkey, 25 - 28 March 2015
- XLIII. **Uydu Görüntüleri Kullanarak Ilısu Barajı İnşaatının Zamansal Değişiminin İzlenmesi ve Rezervuar Kamulaştırma Sınırı İçerisinde Kalan Detayların Çıkarımı**  
Özen M., ŞEKERTEKİN A., Marangoz A. M. , Oruç M.  
TMMOB Harita ve Kadastro Mühendisleri Odası, 15. Türkiye Harita Bilimsel ve Teknik Kurultayı, Ankara, Turkey, 25 - 28 March 2015
- XLIII. **Uydu Verileri ile Arazi Örtüsündeki Yer Yüzey Sıcaklığı Değişimlerinin Analizi: Zonguldak Örneği, Türkiye**  
ŞEKERTEKİN A., KUTOGLU S. H. , KAYA S., Marangoz A. M.  
TMMOB Harita ve Kadastro Mühendisleri Odası, 15. Türkiye Harita Bilimsel ve Teknik Kurultayı, Ankara, Turkey, 25 - 28 March 2015
- XLIV. **ANALYSING THE EFFECTS OF DIFFERENT LAND COVER TYPES ON LAND SURFACE TEMPERATURE USING SATELLITE DATA**  
Sekertekin A., Kutoglu S. H. , Kaya Ş., Marangoz A. M.  
International Conference on Sensors and Models in Remote Sensing and Photogrammetry, Kish Island, Iran, 23 - 25 November 2015, vol.41, pp.665-667
- XLV. **Analysing Regional Land Surface Temperature Changes by Satellite Data, A Case Study of Zonguldak, Turkey**  
ŞEKERTEKİN A., KUTOGLU S. H. , KAYA S., Marangoz A. M.  
AGU Fall Meeting 2014, San Francisco, United States Of America, 15 - 19 December 2014
- XLVI. **Distributed GIS for Smart Cities : ArcGIS for Sustainable Society**  
Bhattacharya D., ŞEKERTEKİN A., KUTOGLU S. H. , Mekik Ç.  
19. Esri Kullanıcıları Konferansı, Ankara, Turkey, 22 - 23 October 2014
- XLVII. **Açık İşletme Madenciliği Uygulamalarında GNSS ölçülerinden Yükseklik Farklarının Geometrik Nivelman Ölçmelerinden Yükseklik Farkları Yerine Kullanımı Üzerine Deneysel Bir Araştırma**  
AKCIN H., ŞEKERTEKİN A.  
7. Ulusal Mühendislik ölçmeleri Sempozyumu, Çorum, Turkey, 15 - 17 October 2014
- XLVIII. **The Examination of Geologic Formations In Terms Of Land Cover and Land Surface Temperature (LST) By Using Landsat Images: A Case Study of Zonguldak, Turkey**  
ŞEKERTEKİN A., Marangoz A. M. , Oruç M., KUTOGLU S. H. , Keskin Çitiroğlu H.  
The 5th GEOBIA Conference, Thessaloniki, Greece, 21 - 24 May 2014, pp.555-558
- XLIX. **Temporal Analysis And Environmental Effects Of Ash Dam Construction Of Çatalağzi Thermoelectric**

### **Power Plant (ÇATES)**

GORMUS K. S. , Marangoz A. M. , Oruç M., ŞEKERTEKİN A.

The 5th GEOBIA Conference, Thessaloniki, Greece, 21 - 24 May 2014, pp.563-566

#### **L. Investigation Of Temporal Changes Of Urban Details Using Object-Based Image Analysis**

Marangoz A. M. , Oruç M., ŞEKERTEKİN A., GORMUS K. S.

The 5th GEOBIA Conference, Thessaloniki, Greece, 21 - 24 May 2014, pp.545-548

#### **LI. Uzaktan Algılama Verileri Yardımıyla Yer Yüzey Sıcaklığının Belirlenmesi**

ŞEKERTEKİN A., KUTOGLU S. H. , KAYA S.

TMMOB Harita ve Kadastro Mühendisleri Odası, 14. Türkiye Harita Bilimsel ve Teknik Kurultayı, Ankara, Turkey, 14 - 17 May 2013

#### **LII. Investigating Local Climate Change Effects of Thermal Power Plants By Remote Sensing: A case study of Zonguldak, Turkey**

ŞEKERTEKİN A., KUTOGLU S. H. , KAYA S.

Environmental Health 2013 Science and Policy to Protect Future Generations, Boston, United States Of America, 3 - 06 March 2013, pp.446

### **Supported Projects**

ŞEKERTEKİN A., ARSLAN E., ARSLAN N., Project Supported by Higher Education Institutions, Tarihi ve Kültürel Mirasın 3 Boyutlu Dökümantasyonunda İnsansız Hava Araçlarının Kullanımı: Ceyhan Kurtkulağı Kervansarayı Örneği, 2020 - Continues

ŞEKERTEKİN A., Other Supported Projects, Developing a Built-Up Index for Automated Extraction of Built-Up Areas Using Worldview Satellite Imagery, 2018 - Continues

ŞEKERTEKİN A., ARSLAN N., ÇİÇEKLİ S. Y. , Project Supported by Higher Education Institutions, Yüzey Isı Adası Etkisinin Zamansal Analizi: Ceyhan/Adana Örneği, 2018 - 2019

ŞEKERTEKİN A., Project Supported by Other Official Institutions, Bursa Büyükşehir Belediyesi Fotogrametrik Temel Planlarının Üretilmesi (BUSKİ M5) Projesi Kontrol ve Müşavirliği, 2014 - 2017

ŞEKERTEKİN A., EU Supported Other Project, Kaya Düşmesi ve Heyelan gibi Ani Gelişen Doğal Afetlere Müdahalede AB Mesleki Eğitimi, 2013 - 2015

### **Activities in Scientific Journals**

Earth Sciences (ISSN Print: 2328-5974), Committee Member, 2019 - Continues

SDRP Journal of Earth Sciences & Environmental Studies, Committee Member, 2016 - Continues

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

TMMOB HARİTA VE KADASTRO MÜHENDİSLERİ ODASI, Member, 2011 - Continues

### **Scientific Refereeing**

ENVIRONMENTAL EARTH SCIENCES, Journal Indexed in SCI-E, April 2021

ARABIAN JOURNAL OF GEOSCIENCES, Journal Indexed in SCI-E, April 2021

Remote Sensing Applications: Society and Environment , Other Indexed Journal, April 2021

ACTA ASTRONAUTICA, Journal Indexed in SCI-E, April 2021

INTERNATIONAL JOURNAL OF DIGITAL EARTH, Journal Indexed in SCI-E, March 2021

Remote Sensing Applications: Society and Environment, Other Indexed Journal, March 2021

ISPRS JOURNAL OF PHOTOGRAMMETRY AND REMOTE SENSING, Journal Indexed in SCI-E, March 2021

SUSTAINABLE CITIES AND SOCIETY, Journal Indexed in SCI-E, March 2021  
ENVIRONMENTAL EARTH SCIENCES, Journal Indexed in SCI-E, March 2021  
INTERNATIONAL JOURNAL OF DIGITAL EARTH, Journal Indexed in SCI-E, February 2021  
IEEE JOURNAL OF SELECTED TOPICS IN APPLIED EARTH OBSERVATIONS AND REMOTE SENSING, Journal Indexed in SCI-E, February 2021  
ENVIRONMENTAL MONITORING AND ASSESSMENT, Journal Indexed in SCI-E, February 2021  
REMOTE SENSING LETTERS, Journal Indexed in SCI-E, February 2021  
METEOROLOGICAL APPLICATIONS, Journal Indexed in SCI-E, January 2021  
ESTUARIES AND COASTS, Journal Indexed in SCI-E, January 2021  
ARABIAN JOURNAL OF GEOSCIENCES, Journal Indexed in SCI-E, December 2020  
ENVIRONMENTAL EARTH SCIENCES, Journal Indexed in SCI-E, December 2020  
REMOTE SENSING, Journal Indexed in SCI-E, December 2020  
JOURNAL OF APPLIED REMOTE SENSING, Journal Indexed in SCI-E, December 2020  
ARABIAN JOURNAL OF GEOSCIENCES, Journal Indexed in SCI-E, November 2020  
ECOLOGICAL INDICATORS, SCI Journal, November 2020  
ESTUARIES AND COASTS, SCI Journal, November 2020  
INFRARED PHYSICS & TECHNOLOGY, Journal Indexed in SCI-E, November 2020  
REMOTE SENSING, Journal Indexed in SCI-E, November 2020  
ECOLOGICAL INDICATORS, SCI Journal, October 2020  
REMOTE SENSING, Journal Indexed in SCI-E, October 2020  
SUSTAINABILITY, Journal Indexed in SCI-E, October 2020  
ENGINEERING SCIENCE AND TECHNOLOGY-AN INTERNATIONAL JOURNAL-JESTECH, Journal Indexed in SCI-E, October 2020  
EUROPEAN JOURNAL OF REMOTE SENSING, Journal Indexed in SCI-E, October 2020  
REMOTE SENSING, Journal Indexed in SCI-E, October 2020  
JOURNAL OF VOLCANOLOGY AND GEOTHERMAL RESEARCH, Journal Indexed in SCI-E, October 2020  
ECOLOGICAL INDICATORS, SCI Journal, October 2020  
WATER, Journal Indexed in SCI-E, September 2020  
ECOLOGICAL INDICATORS, SCI Journal, September 2020  
SUSTAINABILITY, Journal Indexed in SCI-E, September 2020  
FORESTS, Journal Indexed in SCI-E, August 2020  
EUROPEAN JOURNAL OF REMOTE SENSING, Journal Indexed in SCI-E, August 2020  
CLIMATE, Journal Indexed in ESCI, August 2020  
IEEE ACCESS, Journal Indexed in SCI-E, August 2020  
SN APPLIED SCIENCES , Journal Indexed in ESCI, August 2020  
ARABIAN JOURNAL OF GEOSCIENCES, Journal Indexed in SCI-E, July 2020  
SN APPLIED SCIENCES , Journal Indexed in ESCI, July 2020  
ACTA ASTRONAUTICA, SCI Journal, July 2020  
IEEE ACCESS, National Scientific Refreed Journal, July 2020  
ACTA ASTRONAUTICA, National Scientific Refreed Journal, July 2020  
REMOTE SENSING, Journal Indexed in SCI-E, July 2020  
ECOLOGICAL INDICATORS, Journal Indexed in SCI-E, July 2020  
REMOTE SENSING, National Scientific Refreed Journal, July 2020  
SN APPLIED SCIENCES, Journal Indexed in ESCI, July 2020  
EUROPEAN JOURNAL OF REMOTE SENSING, Journal Indexed in SCI-E, June 2020  
EUROPEAN JOURNAL OF REMOTE SENSING, Journal Indexed in SCI-E, May 2020  
SUSTAINABLE CITIES AND SOCIETY, Journal Indexed in SCI-E, May 2020  
Climate, Other Indexed Journal, May 2020  
ECOLOGICAL INDICATORS, Journal Indexed in SCI-E, May 2020  
REMOTE SENSING, Journal Indexed in SCI-E, May 2020  
ISPRS JOURNAL OF PHOTOGRAMMETRY AND REMOTE SENSING, SCI Journal, May 2020

ECOLOGICAL INDICATORS, Journal Indexed in SCI-E, May 2020  
COMPUTERS AND ELECTRONICS IN AGRICULTURE, Journal Indexed in SCI-E, May 2020  
REMOTE SENSING, SCI Journal, April 2020  
Acta Astronautica, SCI Journal, April 2020  
ACTA ASTRONAUTICA, SCI Journal, April 2020  
ISPRS JOURNAL OF PHOTOGRAMMETRY AND REMOTE SENSING, SCI Journal, April 2020  
Remote Sensing, SCI Journal, April 2020  
Acta Astronautica, SCI Journal, April 2020  
Geomatik Dergisi, National Scientific Refreed Journal, March 2020  
Climate, Other Indexed Journal, March 2020  
Ecological Indicators, SCI Journal, March 2020  
Doğal Afetler ve Çevre Dergisi, National Scientific Refreed Journal, March 2020  
Geocarto International , SCI Journal, February 2020  
Remote Sensing, SCI Journal, February 2020  
Journal of Applied Remote Sensing, SCI Journal, February 2020  
Remote Sensing, SCI Journal, February 2020  
Ecological Indicators, SCI Journal, February 2020  
Symmetry, SCI Journal, February 2020  
Ecological Indicators, SCI Journal, February 2020  
Applied Computing and Geosciences, Other Indexed Journal, January 2020  
ISPRS International Journal of Geo-Information, SCI Journal, January 2020  
Land, Journal Indexed in SSCI, January 2020  
Remote Sensing, SCI Journal, December 2019  
Remote Sensing, SCI Journal, December 2019  
Remote Sensing, SCI Journal, December 2019  
Journal of Applied Remote Sensing, SCI Journal, December 2019  
Remote Sensing, SCI Journal, November 2019  
Land, Journal Indexed in SSCI, November 2019  
Remote Sensing, SCI Journal, October 2019  
Ecological Indicators, SCI Journal, October 2019  
ISPRS International Journal of Geo-Information, SCI Journal, October 2019  
ISPRS International Journal of Geo-Information, SCI Journal, September 2019  
Turkish Journal of Engineering, Other Indexed Journal, August 2019  
Ecological Indicators, SCI Journal, August 2019  
Ecological Indicators, SCI Journal, August 2019  
Acta Astronautica , SCI Journal, August 2019  
Remote Sensing, SCI Journal, August 2019  
Geomatik Dergisi, National Scientific Refreed Journal, July 2019  
Comptes Rendus Geoscience, SCI Journal, July 2019  
Geomatik Dergisi, National Scientific Refreed Journal, July 2019  
Remote Sensing, SCI Journal, June 2019  
Remote Sensing, SCI Journal, June 2019  
Journal of Cleaner Production, SCI Journal, May 2019  
Ecological Indicators, SCI Journal, May 2019  
Ömer Halisdemir Üniversitesi Mühendislik Bilimleri Dergisi, National Scientific Refreed Journal, May 2019  
Journal of Cleaner Production, SCI Journal, May 2019  
GIScience & Remote Sensing, SCI Journal, April 2019  
Ecological Indicators, SCI Journal, April 2019  
Remote Sensing, SCI Journal, April 2019  
Ecological Indicators, SCI Journal, February 2019  
Journal of Cleaner Production, SCI Journal, January 2019

Ecological Indicators, SCI Journal, January 2019  
GIScience & Remote Sensing, SCI Journal, January 2019  
Journal of Cleaner Production, SCI Journal, January 2019  
Journal of Cleaner Production, SCI Journal, January 2019  
Journal of Cleaner Production, SCI Journal, January 2019  
Journal of Cleaner Production, SCI Journal, December 2018  
Journal of Cleaner Production, SCI Journal, December 2018  
Journal of Cleaner Production, SCI Journal, November 2018  
Science of the Total Environment, SCI Journal, November 2018  
Journal of Cleaner Production, SCI Journal, October 2018  
GIScience & Remote Sensing, SCI Journal, October 2018  
Journal of Remote Sensing & GIS, Other Indexed Journal, October 2018  
Journal of Cleaner Production, SCI Journal, October 2018  
GIScience & Remote Sensing, SCI Journal, September 2018  
Sustainable Cities and Society, SCI Journal, September 2018  
Journal of Cleaner Production, SCI Journal, September 2018  
Ecological Indicators, SCI Journal, September 2018  
GIScience & Remote Sensing, SCI Journal, July 2018  
Ecological Indicators, SCI Journal, June 2018  
Journal of Cleaner Production, SCI Journal, May 2018  
Ç.Ü. Mühendislik Mimarlık Fakültesi Dergisi, National Scientific Refreed Journal, May 2018  
GIScience & Remote Sensing, SCI Journal, April 2018  
Journal of Cleaner Production, SCI Journal, March 2018  
GIScience & Remote Sensing, SCI Journal, January 2018  
GIScience & Remote Sensing, SCI Journal, January 2018  
GIScience & Remote Sensing, SCI Journal, November 2017  
GIScience & Remote Sensing, SCI Journal, August 2017  
GIScience & Remote Sensing, SCI Journal, June 2017  
GIScience & Remote Sensing, SCI Journal, April 2017

## Citations

Total Citations (WOS):148

h-index (WOS):7

## Awards

ŞEKERTEKİN A., Onur Belgesi, Bülent Ecevit Üniversitesi, Mühendislik Fakültesi, September 2010

ŞEKERTEKİN A., Jeodezi ve Fotogrametri Mühendisliği Bölüm 1.ligi, Bülent Ecevit Üniversitesi, Mühendislik Fakültesi, August 2010

ŞEKERTEKİN A., Onur Belgesi, Bülent Ecevit Üniversitesi, Mühendislik Fakültesi, September 2009

ŞEKERTEKİN A., Onur Belgesi, Bülent Ecevit Üniversitesi, Mühendislik Fakültesi, September 2008

ŞEKERTEKİN A., Onur Belgesi, Bülent Ecevit Üniversitesi, Mühendislik Fakültesi, September 2007