

# Prof. UĞUR MURAT LELOĞLU

## Personal Information

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## International Researcher IDs

ScholarID: 7XPm2TUAAAAJ

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Publons / Web Of Science ResearcherID: A-9106-2018

ScopusID: 24450779500

Yoksis Researcher ID: 187789

## Education Information

Doctorate, Middle East Technical University, Graduate School of Natural and Applied Sciences, Elektrik Ve Elektronik Mühendisliği (YI) (Tezli), Turkey 2012 - 2016

Postgraduate, Middle East Technical University, Graduate School of Natural and Applied Sciences, Elektrik Ve Elektronik Mühendisliği (YI) (Tezli), Turkey 1991 - 1995

Undergraduate, Middle East Technical University, Faculty of Engineering, Elektrik-Elektronik Mühendisliği Bölümü, Turkey 1987 - 1991

## Foreign Languages

English, C1 Advanced

French, B2 Upper Intermediate

## Dissertations

Doctorate, Direct surface reconstruction from multiple views by surface growing, Middle East Technical University, Graduate School of Natural and Applied Sciences, Elektrik Ve Elektronik Mühendisliği (YI) (Tezli), 2001

Postgraduate, A Subpixel resolution hierarchical stereo vision system, Middle East Technical University, Graduate School of Natural and Applied Sciences, Elektrik Ve Elektronik Mühendisliği (YI) (Tezli), 1995

## Research Areas

Geotechnical Engineering, Remote sensing, Computer Sciences, Computer Vision, Artificial Intelligence, Computer Learning and Pattern Recognition, Pattern Recognition and Image Processing, Electrical and Electronics Engineering, Engineering and Technology

## Academic Titles / Tasks

Assistant Professor, Middle East Technical University, Graduate School of Natural and Applied Sciences, 2018 - Continues  
Assistant Professor, Middle East Technical University, Graduate School of Natural and Applied Sciences, 2013 - 2018

## Courses

REMOTE SENSING APPLICATIONS IN PETROLEUM ENGINEERING, Postgraduate, 2018 - 2019

Optical Imaging for Remote Sensing, Postgraduate, 2016 - 2017

## Advising Theses

LELOĞLU U. M., Digital terrain model extraction from high-resolution point clouds by using a multi-resolution planarity-based approach, Postgraduate, Y.KOÇAN(Student), 2021

LELOĞLU U. M., Determination of alpine treeline ecotone and its spatio-temporal analysis using landsat tm images, Postgraduate, G.DENİZ(Student), 2021

Leloğlu U. M., A TOOLKIT FOR THREE-DIMENSIONAL RECONSTRUCTION AND VISUALIZATION OF WEATHER RADAR IMAGES, Postgraduate, M.AHMET(Student), 2019

Rittersberger Tılıç H. İ., LELOĞLU U. M., Climate change vulnerability in agriculture and adaptation strategies of farmers to climatic stresses in Konya, Turkey, Doctorate, M.KUŞ(Student), 2019

Leloğlu U. M., Ulusoy İ., SIMILARITY RATIO BASED ALGORITHMS TO GENERATE SAR SUPERPIXELS, Doctorate, E.AKYILMAZ(Student), 2017

LELOĞLU U. M., BURIED AND SURFACE MINE DETECTION FROM THERMAL IMAGE SERIES, Postgraduate, S.KAYA(Student), 2016

LELOĞLU U. M., HIERARCHICAL APPROACH TO SEMI-DISTRIBUTED HYDROLOGICAL MODEL CALIBRATION, Doctorate, A.ÖZDEMİR(Student), 2016

LELOĞLU U. M., Buried and surface mine detection from thermal image time series, Postgraduate, S.Kaya(Student), 2016

## Jury Memberships

Doctorate, Doctorate, Eskişehir Teknik Üniversitesi, September, 2021

Doctoral Examination, Doctoral Examination, Çankırı Karatekin Üniversitesi, April, 2021

Doctorate, Doctorate, Orta Doğu Teknik Üniversitesi, September, 2020

Post Graduate, Post Graduate, Middle East Technical University, December, 2019

Post Graduate, Post Graduate, Başkent Üniversitesi, September, 2019

Post Graduate, Post Graduate, Orta Doğu Teknik Üniversitesi, September, 2019

Doctorate, Doctorate, Orta Doğu Teknik Üniversitesi, July, 2019

Post Graduate, Post Graduate, Orta Doğu Teknik Üniversitesi, July, 2019

Post Graduate, Post Graduate, Orta Doğu Teknik Üniversitesi, July, 2019

Doctorate, Doctorate, Orta Doğu Teknik Üniversitesi, March, 2018

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

- I. **A Novel Semantic Content-Based Retrieval System for Hyperspectral Remote Sensing Imagery**  
Ömrüüzun F., Yardımcı Çetin Y., Leloğlu U. M., Demir B.  
Remote Sensing, vol.16, no.8, 2024 (SCI-Expanded)
- II. **Extraction and classification of channels from LiDAR in plains by channel tracking**  
Arghavanian A., Leloğlu U. M.  
Environmental Modelling and Software, vol.171, 2024 (SCI-Expanded)
- III. **Forest stand segmentation with multi-temporal Sentinel-2 imagery and superpixels**

Demirpolat C., Leloglu U. M.

Journal of Applied Remote Sensing, vol.18, no.1, 2024 (SCI-Expanded)

- IV. **Mapping Mediterranean maquis formations using Sentinel-2 time-series**  
Listiani I. A., LELOĞLU U. M., Zeydanlı U., Caliskan B. K.  
ECOLOGICAL INFORMATICS, vol.71, 2022 (SCI-Expanded)
- V. **Early wheat yield estimation at field-level by photosynthetic pigment unmixing using Landsat 8 image series**  
Ozcan A., LELOĞLU U. M., SÜZEN M. L.  
GEOCARTO INTERNATIONAL, vol.37, no.17, pp.4871-4887, 2022 (SCI-Expanded)
- VI. **Species level classification of Mediterranean sparse forests-maquis formations using Sentinel-2 imagery**  
Caglayan S. D., Leloğlu U. M., Ginzler C., Psomas A., Zeydanlı U. S., Bilgin C. C., Waser L. T.  
GEOCARTO INTERNATIONAL, vol.37, no.6, pp.1587-1606, 2022 (SCI-Expanded)
- VII. **Wetland spectral unmixing using multispectral satellite images**  
Ozer E., LELOĞLU U. M.  
GEOCARTO INTERNATIONAL, vol.37, no.27, pp.15754-15777, 2022 (SCI-Expanded)
- VIII. **A fast and automated hydrologic calibration tool for SWAT**  
ÖZDEMİR A., LELOĞLU U. M.  
WATER AND ENVIRONMENT JOURNAL, vol.33, no.4, pp.488-498, 2019 (SCI-Expanded)
- IX. **BoVSG: bag of visual SubGraphs for remote sensing scene classification**  
Amiri K., Farah M., LELOĞLU U. M.  
INTERNATIONAL JOURNAL OF REMOTE SENSING, vol.41, no.5, pp.1986-2003, 2019 (SCI-Expanded)
- X. **Robust landmine detection from thermal image time series using Hough transform and rotationally invariant features**  
Kaya S., LELOĞLU U. M., Ozyer G. T.  
INTERNATIONAL JOURNAL OF REMOTE SENSING, vol.41, no.2, pp.725-739, 2019 (SCI-Expanded)
- XI. **Buried and Surface Mine Detection From Thermal Image Time Series**  
KAYA S., LELOĞLU U. M.  
IEEE JOURNAL OF SELECTED TOPICS IN APPLIED EARTH OBSERVATIONS AND REMOTE SENSING, vol.10, no.10, pp.4544-4552, 2017 (SCI-Expanded)
- XII. **Hierarchical approach to hydrological model calibration**  
ÖZDEMİR A., LELOĞLU U. M., ABBASPOUR K. C.  
ENVIRONMENTAL EARTH SCIENCES, vol.76, no.8, 2017 (SCI-Expanded)
- XIII. **Similarity Ratio Based Adaptive Mahalanobis Distance Algorithm to Generate SAR Superpixels**  
AKYILMAZ E., LELOĞLU U. M.  
CANADIAN JOURNAL OF REMOTE SENSING, vol.43, no.6, pp.569-581, 2017 (SCI-Expanded)
- XIV. **Segmentation of SAR images using similarity ratios for generating and clustering superpixels**  
AKYILMAZ E., LELOĞLU U. M.  
ELECTRONICS LETTERS, vol.52, no.8, pp.654-655, 2016 (SCI-Expanded)
- XV. **Automated region segmentation on cartridge case base**  
SAKARYA U., TOPÇU O., Leloglu U. M., SOYSAL M., TUNALI E.  
FORENSIC SCIENCE INTERNATIONAL, vol.222, pp.277-287, 2012 (SCI-Expanded)
- XVI. **Characterisation of tool marks on cartridge cases by combining multiple images**  
Leloglu U. M.  
IET IMAGE PROCESSING, vol.6, no.7, pp.854-862, 2012 (SCI-Expanded)
- XVII. **Tuz Gölü: New CEOS reference standard test site for infrared visible optical sensors**  
GUROL S., BEHNERT I., OZEN H., DEADMAN A., FOX N., Leloğlu U. M.  
Canadian Journal of Remote Sensing, vol.36, no.5, pp.553-565, 2010 (SCI-Expanded)
- XVIII. **Capacity building in emerging space nations: Experiences, challenges and benefits**  
JASON S., Curiel A. d. S., LIDDLE D., CHIZEA F., Leloglu U. M., Helvacı M., BEKHTİ M., BENACHİR D., BOLAND L., GOMES L., et al.

- ADVANCES IN SPACE RESEARCH, vol.46, no.5, pp.571-581, 2010 (SCI-Expanded)
- XIX. **Establishing space industry in developing countries: Opportunities and difficulties**  
Leloglu U. M., KOCAOĞLAN E.  
ADVANCES IN SPACE RESEARCH, vol.42, no.11, pp.1879-1886, 2008 (SCI-Expanded)
- XX. **Three-dimensional surface reconstruction for cartridge cases using photometric stereo**  
SAKARYA U., Leloglu U. M., TUNALI E.  
FORENSIC SCIENCE INTERNATIONAL, vol.175, pp.209-217, 2008 (SCI-Expanded)
- XXI. **Multi-image region growing for integrating disparity maps**  
Leloglu U. M., Halici U.  
COMPUTER ANALYSIS OF IMAGES AND PATTERNS, vol.1689, pp.403-410, 1999 (SCI-Expanded)

## Articles Published in Other Journals

- I. **A Method to Enhance Homogeneous Distribution of Matched Features for Image Matching**  
Gülmez B., Demirtaş F., Leloğlu U. M., Yaman M., Güneyi E. T.  
International Journal of Environment and Geoinformatics, vol.6, no.3, pp.322-327, 2019 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **How Newcomers will Participate in Space Exploration**  
GENÇAY B., LELOĞLU U. M.  
in: Space Science, Herman J. Mosquera Cuesta, Editor, InTech, 2012

## Refereed Congress / Symposium Publications in Proceedings

- I. **Mapping Compositional Diversity in Mediterranean Sparse Forests Using Sentinel-2 Imagery**  
Demirbaş Çağlayan S., Leloğlu U. M., Bilgin C. C., Waser L., Psomas A., Ginzler C.  
10th IALE World Conference, Milan, Italy, 1 - 05 July 2019, pp.346
- II. **Investigation of the Effects of False Matches and Distribution of the Matched Keypoints on The PnP Algorithm**  
Demirtaş F., Gülmez B., Yıldırım İ., Leloğlu U. M., Yaman M., Güneyi E. T.  
10. Türkiye Ulusal Fotogrametri ve Uzaktan Algılama Birliği Teknik Sempozyumu (TUFUAB'2019), Aksaray, Turkey, 25 - 27 April 2019, pp.302-309
- III. **Comparison of Image Matching Algorithms on Satellite Images Taken in Different Seasons**  
Yıldırım İ., Demirtaş F., Gülmez B., Leloğlu U. M., Yaman M., Güneyi E. T.  
10. Türkiye Ulusal Fotogrametri ve Uzaktan Algılama Birliği Teknik Sempozyumu (TUFUAB'2019), Aksaray, Turkey, 25 - 27 April 2019, pp.323-330
- IV. **Multispektral Görüntü Serilerinden Bozkırların Tespiti**  
NABDEL I., ÇAĞLAYAN DEMİRBAŞ S., Zeydanlı U. S., LELOĞLU U. M.  
VII. Uzaktan Algılama ve Coğrafi Bilgi Sistemleri Sempozyumu (UZAL-CBS 2018), Eskişehir, Turkey, 18 - 21 September 2018
- V. **Meteoroloji Radarı Görüntülerinden Üç-Boyutlu Geriçatım ve Görselleştirme**  
PESEN M., LELOĞLU U. M.  
VII. Uzaktan Algılama ve Coğrafi Bilgi Sistemleri Sempozyumu (UZAL-CBS 2018), Eskişehir, Turkey, 18 - 21 September 2018
- VI. **Barley yield estimation with sentinel-2 vegetation indices Sentinel-2 Bitki İndeksleri ile Arpa Bitkisinin Rekolte Kestirimi**  
Demirpolat C., LELOĞLU U. M.

26th IEEE Signal Processing and Communications Applications Conference, SIU 2018, İzmir, Turkey, 2 - 05 May 2018, pp.1-4

VII. **Wide-area spaceborne maritime surveillance system**

LELOĞLU U. M., TUNALI E.

8th International Conference on Recent Advances in Space Technologies (RAST), İstanbul, Turkey, 19 - 22 June 2017, pp.507-511

VIII. **Göktürk-2 Uydusu için Arazi Sınıflandırması**

GÜRÇAN İ., TEKE M., LELOĞLU U. M.

24. IEEE Sinyal İşleme ve İletişim Uygulamaları Kurultayı (SİU 2016), Zonguldak, Turkey, 16 - 19 May 2016, pp.2097-2100

IX. **Information Theoretic SAR Boundary Detection with User Interaction**

Demirkesen C., LELOĞLU U. M.

SPIE Remote Sensing 2015, Toulouse, France, 21 - 24 September 2015, vol.9643

X. **Estimation of Noise Model Parameters for Images Taken by a Full-frame Hyperspectral Camera**

DEMİRKESEN C., LELOĞLU U. M.

Conference on Image and Signal Processing for Remote Sensing XXI, Toulouse, France, 21 - 23 September 2015, vol.9643

XI. **A Compact Imager Design Concept for Micro/Nanosatellites Using Scanning Mirrors**

LELOĞLU U. M., TUNALI E., SUBAŞI Y.

7th International Conference on Recent Advances in Space Technologies (RAST), İstanbul, Turkey, 16 - 19 June 2015, pp.555-560

XII. **Hyperion Görüntülerinde Şeritlenmenin Giderilmesi**

DEMİRKESEN C., LELOĞLU U. M.

IEEE 23. Sinyal İşleme ve İletişim Uygulamaları Kurultayı, SİU 2015, Malatya, Turkey, 16 - 19 May 2015, pp.2423-2426

XIII. **Climate Change Impact Assessment on River Basin: Sarisu-Eylikler River, Turkey**

ÖZDEMİR A., LELOĞLU U. M.

2nd International Sustainable Watershed Management Conference, SuWaMa 2014, Turkey, 13 - 17 October 2014

XIV. **Noise Estimation for Hyperspectral Imagery using Spectral Unmixing and Synthesis**

DEMİRKESEN C., LELOĞLU U. M.

SPIE Remote Sensing Conference 2014, Amsterdam, Netherlands, 22 - 25 September 2014

XV. **Hyperion Görüntülerinden Sığ Sularda Derinlik ve Su Kalitesi Ölçümü Serçin Gölü**

ÖZDEMİR A., LELOĞLU U. M.

IEEE 22. Sinyal İşleme ve İletişim Uygulamaları Kurultayı, SİU 2014, Turkey, 23 - 25 April 2014

XVI. **Bathymetry and Water Quality Measurement of Shallow Waters using Hyperion: Sercin Lake**

Ozdemir A., LELOĞLU U. M.

22nd IEEE Signal Processing and Communications Applications Conference (SIU), Trabzon, Turkey, 23 - 25 April 2014, pp.2023-2026

XVII. **Silah Marka Tespiti İçin Genel Şekil Karakteristikleri Temelli Sınıflandırma**

GONUALAN C., LELOĞLU U. M., SAKARYA U.

Sinyal İşleme ve Uygulamaları 2012 (SİU), Turkey, 18 - 20 April 2012

XVIII. **The 2010 Tuz Golu Field Campaign—An Overview**

OZEN H., FOX N., LELOĞLU U. M., BEHNERT I., DEADMAN A.

IGARSS 2011, Vancouver, Canada, 24 - 29 July 2011

XIX. **Tuz Gölü Site Characteristics**

LEIGH L., BEHNERT I., DEADMAN A., BOX N., LELOĞLU U. M., OZEN H., GRIFFITH D.

IGARSS 2011, 24 - 29 July 2011

XX. **A Case Study of an Automated Firearms Identification System: BALİSTİKA 2010**

SAKARYA U., ES A., LELOĞLU U. M., TUNALI E., BİRGÜL Ö.

BIT's 1st Annual World Congress of Forensics (WCF-2010), Dalian, China, 21 - 23 October 2010

XXI. **Characterization of the Spatial Uniformity of the Tuz Gölü Calibration Test Site**

LELOĞLU U. M., GÜRBÜZ Z., OZEN H., GUROL S.

ISPRS Istanbul Workshop 2010, WG I/4: Modeling of Optical Airborne and Spaceborne Sensors, İstanbul, Turkey, 11 - 13 October 2010

- XXII. **Latecomer Advantage In Space Technologies: A Posse Ad Esse**  
LELOĞLU U. M.  
Data Systems in Aerospace, DASIA 2009, İstanbul, Turkey, 26 - 29 May 2009
- XXIII. **Tuz Gölü New Absolute Radiometric Calibration Test Site**  
GUROL S., OZEN H., LELOĞLU U. M., TUNALI E.  
ISPRS Congress, 3 - 11 July 2008
- XXIV. **The Small Satellite Odyssey of Turkey**  
LELOĞLU U. M.  
International Workshop on Small Satellites, New Missions and New Technologies, SSW08, İstanbul, Turkey, 5 - 07 June 2008
- XXV. **First LEO Satellite Built in Turkey: RASAT**  
YÜKSEL G., OKAN A., LELOĞLU U. M.  
3rd International Conference on Recent Advances in Space Technologies (RAST) 2007, İstanbul, Turkey, 14 - 16 June 2007
- XXVI. **ÇOBAN: Design of Multi-Spectral Opto-Electronic Satellite Camera System**  
ŞENGÜL O., LELOĞLU U. M., TUNALI E., MUSTAFA SANÇAY K., İSMAİLOĞLU N., SEVER R.  
3rd International Conference on Recent Advances in Space Technologies (RAST) 2007, İstanbul, Turkey, 14 - 16 June 2007
- XXVII. **COBAN: Design of multi-spectral opto-electronic satellite camera system**  
Senguel O., Leloglu U. M., TUNALI E., Kirik M. S., ISMAILOGLU N., SEVER R., AYVAZ E.  
3rd International Conference on Recent Advances in Space Technologies, İstanbul, Turkey, 14 - 16 June 2007, pp.407-408
- XXVIII. **On Orbit Modulation Transfer Function Estimation for BILSAT Imagers**  
LELOĞLU U. M., TUNALI E.  
ISPRS Commission 1 Symposium: From Sensors to Imagery, 4 - 06 July 2006
- XXIX. **Radiometric Camera Calibration of BiLSAT Small Satellite: Preliminary Results**  
FRIEDRICH J., LELOĞLU U. M., TUNALI E.  
ISPRS Topographic Mapping from Space (with Special Emphasis on Small Satellites), Ankara, Turkey, 14 - 16 February 2006
- XXX. **Geometric Camera Calibration of BiLSAT Small Satellite Preliminary Results**  
Friedrich J., LELOĞLU U. M., Tunali E.  
ISPRS Topographic Mapping from Space (with Special Emphasis on Small Satellites), Ankara, Turkey, 14 - 16 February 2006
- XXXI. **A New Automated Firearms Identification System using 3D Information BALISTIKA**  
LELOĞLU U. M., SAKARYA u., TEK F. B., ÇİLİNGİR o.  
3rd European Academy of Forensic Science Meeting, 22 - 29 September 2003
- XXXII. **A Comparative Performance Test of A New Ballistic Analysis System BALISTIKA**  
LELOĞLU U. M., SAKARYA u., TEK F. B., ÇİLİNGİR o., TUNALI e.  
3rd European Academy of Forensic Science Meeting, 22 - 27 September 2003
- XXXIII. **A Feature Extraction Method for Marble Tile Classification**  
DEVİREN M., M KORAY B., LELOĞLU U. M., SEVERCAN M.  
Third International Conference on Computer Vision, Pattern Recognition & Image Processing, Atlantic City, United States Of America, 27 February - 03 March 2000, pp.25-28

## Supported Projects

TEKİNALP O., LELOĞLU U. M., TUBITAK Project, Orta Dou Teknik Üniversitesi Ar-Ge Strateji Belgesi (Havacılık Ve Uzay),

2016 - 2017

LELOĞLU U. M., Project Supported by Other Private Institutions, TEYDEP 1501 3150045 Proje Nolu Geniş Alan Havadan Gözetleme Stabilize EO IR Kamera Sistemi Geliştirme projesi, 2016 - 2016

LELOĞLU U. M., Project Supported by Other Private Institutions, Küçük Uydu Uydu Alt Sistemleri ve Görüntüleyiciler Geliştirme Projesi, 2016 - 2016

## Patent

LELOĞLU U. M., APPARATUS AND METHOD FOR ARRANGING PLAQUES INTO THE SAME ORIENTATION, Patent, CHAPTER B Implementation of Operations; Transport, Standard Registration, 2007

## Scientific Refereeing

IET IMAGE PROCESSING, SCI Journal, August 2021

AFYON KOCATEPE ÜNİVERSİTESİ FEN VE MÜHENDİSLİK BİLİMLERİ DERGİSİ, National Scientific Refreed Journal, March 2021

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

INTERNATIONAL JOURNAL OF REMOTE SENSING, SCI Journal, February 2021

Technopark, ODTÜ Teknokent AŞ, Turkey, February 2021

COMPUTERS AND GEOSCIENCES, Other Indexed Journal, December 2020

HARİTA DERGİSİ, National Scientific Refreed Journal, December 2020

IEEE TRANSACTIONS ON GEOSCIENCE AND REMOTE SENSING, SCI Journal, October 2020

TUBITAK Project, 1011 - International Scientific Research Projects Participation Program (UBAP), Middle East Technical University, Turkey, October 2020

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, October 2020

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, October 2020

TUBITAK Project, 1011 - International Scientific Research Projects Participation Program (UBAP), Middle East Technical University, Turkey, October 2020

Technopark, ODÜT Teknokent AŞ, Turkey, October 2020

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, October 2020

Technopark, ODTÜ Teknokent AŞ, Turkey, October 2020

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, October 2020

TUBITAK Project, 1011 - International Scientific Research Projects Participation Program (UBAP), Middle East Technical University, Turkey, October 2020

HYDROLOGICAL SCIENCES JOURNAL-JOURNAL DES SCIENCES HYDROLOGIQUES, Journal Indexed in SCI-E, August 2020

Technopark, ODTÜ Teknokent, Turkey, June 2020

IET IMAGE PROCESSING, SCI Journal, February 2020

Technopark, Teknokent, Turkey, February 2020

Technopark, ODTÜ Teknokent, Turkey, December 2019

Technopark, ODTÜ Teknokent, Turkey, December 2019

Technopark, ODTÜ Teknokent, Turkey, October 2019

Technopark, ODTÜ Teknokent, Turkey, October 2019

IET IMAGE PROCESSING, SCI Journal, September 2019

GAZİ ÜNİVERSİTESİ MÜHENDİSLİK MİMARLIK FAKÜLTESİ DERGİSİ, National Scientific Refreed Journal, May 2019

APPLIED SOFT COMPUTING, National Scientific Refreed Journal, May 2019

REMOTE SENSING LETTERS, SCI Journal, April 2019  
Project Supported by Public Organizations in Other Countries, Innovation Fund Denmark, Denmark, April 2019  
TUBITAK Project, 1002 - Quick Support Program, Middle East Technical University, Turkey, March 2019  
Technopark, ODTÜ Teknokent, Turkey, February 2019  
IEEE TRANSACTIONS ON GEOSCIENCE AND REMOTE SENSING, National Scientific Refreed Journal, November 2018  
REMOTE SENSING LETTERS, Journal Indexed in SCI-E, November 2018  
Technopark, ODTÜ Teknokent, Turkey, November 2018  
COMPUTERS & GEOSCIENCES, Journal Indexed in SCI-E, September 2018  
Technopark, ODTÜ Teknokent, Turkey, September 2018  
Technopark, ODTÜ Teknokent, Turkey, September 2018  
IET IMAGE PROCESSING, Journal Indexed in SCI-E, August 2018  
INTERNATIONAL JOURNAL OF REMOTE SENSING, Journal Indexed in SCI-E, August 2018  
Technopark, ODTÜ Teknokent, Turkey, July 2018  
Technopark, ODTÜ Teknokent, Turkey, June 2018  
IET IMAGE PROCESSING, Journal Indexed in SCI-E, April 2018  
COMPUTERS & GEOSCIENCES, Journal Indexed in SCI-E, April 2018  
IET IMAGE PROCESSING, National Scientific Refreed Journal, March 2018  
Technopark, ODTÜ Teknokent, Turkey, March 2018  
Technopark, ODTÜ Teknokent, Turkey, March 2018  
TUBITAK Project, 1501 - Industry R & D Projects Support Program, TÜBİTAK TEYDEP, Turkey, October 2017  
JOURNAL OF ELECTRONIC IMAGING, Journal Indexed in SCI-E, August 2017  
IET IMAGE PROCESSING, Journal Indexed in SCI-E, June 2017  
COMPUTERS & GEOSCIENCES, Journal Indexed in SCI-E, April 2017  
Project Supported by Public Organizations in Other Countries, Innovation Fund Denmark, Denmark, April 2017  
JOURNAL OF ELECTRONIC IMAGING, Journal Indexed in SCI-E, March 2017  
IET IMAGE PROCESSING, SCI Journal, January 2017  
EU Supported Other Project, EUROKA - EUROSTARS, Belgium, October 2016  
Technopark, ODTÜ Teknokent, Turkey, January 2016  
APPLIED SOFT COMPUTING, Journal Indexed in SCI-E, October 2015  
Technopark, ODTÜ Teknokent, Turkey, July 2015  
IET IMAGE PROCESSING, Journal Indexed in SCI-E, February 2015  
IET IMAGE PROCESSING, Journal Indexed in SCI-E, September 2014  
IET IMAGE PROCESSING, Journal Indexed in SCI-E, June 2014  
IET IMAGE PROCESSING, Journal Indexed in SCI-E, November 2013  
journal of geodesy and Geoinformation, Other Indexed Journal, October 2013  
IET IMAGE PROCESSING, National Scientific Refreed Journal, August 2013  
IET IMAGE PROCESSING, National Scientific Refreed Journal, June 2013  
IET IMAGE PROCESSING, National Scientific Refreed Journal, April 2013

## **Scientific Consultations**

Esen Entegrasyon Ltd., Project Consultancy, Middle East Technical University, Graduate School of Natural and Applied Sciences, Graduate School of Natural and Applied Sciences, Turkey, 2021 - Continues  
Esen Entegrasyon Ltd., Scientific Consultancy, Middle East Technical University, Graduate School of Natural and Applied Sciences, Graduate School of Natural and Applied Sciences, Turkey, 2020 - 2021  
Esen Entegrasyon Ltd., Scientific Consultancy, Middle East Technical University, Graduate School of Natural and Applied Sciences, Graduate School of Natural and Applied Sciences, Turkey, 2020 - 2020  
Esen Entegrasyon Ltd., Scientific Consultancy, Middle East Technical University, Graduate School of Natural and Applied Sciences, Graduate School of Natural and Applied Sciences, Turkey, 2020 - 2020



## **Metrics**

Publication: 56

Citation (WoS): 135

Citation (Scopus): 173

H-Index (WoS): 7

H-Index (Scopus): 7

## **Non Academic Experience**

Other Public Institution, Tübitak Uzay

Other Public Institution, Tübitak Uzay