

**Prof. Mehmet  
ALKAN**



### **Personal Information**

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İnşaat Fakültesi Harita Mühendisliği  
Bölümü



### **International Researcher IDs**

ORCID: 0000-0002-7542-5455

Yoksis Researcher ID: 140242

### **Education Information**

Doctorate, Karadeniz Technical  
University, Fen Bilimleri Enstitüsü,  
Jeodezi Ve Fotogrametri Mühendisliği,  
Turkey 1997 - 2005

Postgraduate, Karadeniz Technical  
University, Fen Bilimleri Enstitüsü,  
Jeodezi Ve Fotogrametri Mühendisliği,  
Turkey 1994 - 1997

Undergraduate, Karadeniz Technical  
University, Mühendislik Mimarlık,  
Jeodezi Ve Fotogrametri Mühendisliği,  
Turkey 1990 - 1994

### **Biography**

He was born in 1973 in Ankara. He completed his primary education in Ankara and his secondary and high school education in Kayseri. He completed his education in the Department of Geodesy and Photogrammetry Engineering at the Faculty of Engineering and Architecture of the Faculty of Engineering, in 1990, as the department's first in 1994. In 1995, he was appointed as a research assistant at the Institute of Science and Technology of the KTÜ. He completed his master's degree in 1997. He completed his Ph.D. in Geodesy and Biology at the Institute of Science and Technology in 2005. Between the years of 2005-2012, she worked in the Department of Geodesy and Photogrammetry Engineering at Zonguldak Karaelmas University, Faculty of Engineering, Department of Geodesy and Photogrammetry Engineering, Bülent Ecevit University, between April 2012 and September 2013. . Since September 2013, he has been working as Assoc. while working as Prof.Dr. as appointed. He is still Prof.Dr. continues his duty. There are many publications in the fields of property, land registry-cadastre, database management systems (DBMS), geographical information systems (GIS) and thesis studies. He is married and has three children. He speaks English.

### **Foreign Languages**

English, B2 Upper Intermediate

## Research Areas

Geotechnical Engineering, Land Management, Land-Land Management, Urban Space Arrangement, Rural Area Arrangement, Cadastre and Land Registry, Real Estate Valuation, Geographic Information Systems, Land Information Systems, City Information Systems, Spatial Data Infrastructures, Internet-GIS, Engineering and Technology

## Academic Titles / Tasks

Professor, Yıldız Technical University, Faculty Of Civil Engineering, Geomatic Engineering, 2020 - Continues  
Associate Professor, Zonguldak Bülent Ecevit University, Faculty Of Engineering, 2012 - 2013  
Assistant Professor, Zonguldak Bülent Ecevit University, Faculty Of Engineering, 2005 - 2012  
Research Assistant, Karadeniz Technical University, Mühendislik Fakültesi, Harita Mühendisliği, 1999 - 2005  
Research Assistant, Zonguldak Bülent Ecevit University, Faculty Of Engineering, 1998 - 1999  
Research Assistant, Karadeniz Technical University, Mühendislik Fakültesi, Harita Mühendisliği, 1995 - 1997

## Academic and Administrative Experience

Head of Department, Zonguldak Bülent Ecevit University, Faculty Of Engineering, 2006 - 2013  
Deputy Head of Department, Zonguldak Bülent Ecevit University, Faculty Of Engineering, 2008 - 2011

## Courses

Tapu ve Kadastro Veri Altyapılarının UKVA İçerisinde Tanımlanması ve Modellenmesi, Doctorate, 2020 - 2021, 2018 - 2019, 2017 - 2018  
Bilimsel Araştırmaya Giriş, Undergraduate, 2019 - 2020, 2018 - 2019  
Yüksek Lisans Tezi, Postgraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015  
Bitirme Çalışması, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015  
Kırsal Toprak Düzenlemesi, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015  
Doktora Uzmanlık Alan Dersi, Doctorate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015  
Temel Bilgisayar Bilimleri, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014  
Doktora Tezi, Doctorate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016  
Yüksek Lisans Uzmanlık Alan Dersi, Postgraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014  
Kadastral Bilgi Sistemlerinde Programlama, Doctorate, 2017 - 2018  
Arazi Bilgi Yönetimi Sistemleri, Undergraduate, 2018 - 2019, 2017 - 2018  
Arazi Yönetimi -1, Undergraduate, 2017 - 2018  
Zamansal Tapu-Kadastro Bilgi Sistemleri, Postgraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015  
Taşınmaz Hukuku, Undergraduate, 2013 - 2014  
Veri Tabanı Yön. Sistemleri, Undergraduate, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2005 - 2006  
Kartoğrafya, Undergraduate, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009  
Coğrafi Bilgi Sistemleri, Undergraduate, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010  
Hukuk Bilgisi, Undergraduate, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006  
Bilgisayar Destekli Çizim, Undergraduate, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2005 - 2006  
Kadastro Bilgisi, Undergraduate, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006  
Kartoğrafya I, Undergraduate, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2005 - 2006  
Coğrafi Bilgi Sistemleri, Undergraduate, 2008 - 2009, 2007 - 2008  
Kartoğrafya II, Undergraduate, 2007 - 2008, 2006 - 2007

## Advising Theses

ALKAN M., Kent Bilgi Sistemi Tasarımı ve Uygulaması : Ankara Örneği, Postgraduate, T.ERASLANOĞLU(Student), Continues

ALKAN M., Kamulaştırmasız El Atma Uygulamasının İncelenmesi ve İrdelenmesi: İstanbul Örneği, Postgraduate, M.Ali(Student), Continues

ALKAN M., Dört Boyutlu Kadastral Veri Modelinin Tasarımı ve Uygulaması, Doctorate, H.Gürsoy(Student), Continues

ALKAN M., Zamansal Tarım Bilgi Sistemi Tasarımı ve Uygulaması, Postgraduate, S.GÜVEN(Student), Continues

Alkan M., Türkiye'de Kadastro Yenilenmesi Uygulamalarının İncelenmesi ve İrdelenmesi, Postgraduate, G.BAYRAM(Student), 2019

Alkan M., HAZİNEYE AİT TAŞINMAZLAR İLE İLGİLİ İŞLEMLERİN ARAZİ İDARESİ TEMEL MODELİ KAPSAMINDA MODELLENMESİ, Postgraduate, E.TAŞ(Student), 2019

ALKAN M., Altyapı Bilgi Sistemleri Tasarımı ve Uygulaması : Kocaeli Örneği, Postgraduate, Ö.FİLİZ(Student), 2018

ALKAN M., Arazi yönetiminin tapu ve kadastro işlemlerine yönelik harici veri modeli tasarımı ve uygulaması, Doctorate, Z.Abidin(Student), 2017

ALKAN M., İLAN REKLAM VERGİ TAKİP SİSTEMİNE YÖNELİK COĞRAFİ BİLGİ SİSTEMİ TASARIMI VE UYGULAMASI, Postgraduate, H.Gürsoy(Student), 2015

ALKAN M., Afet sonrası iyileştirme ve yeniden yapılanma çalışmalarına yönelik afet yönetimi bilgi sistemi tasarımı, Postgraduate, H.GÜZEL(Student), 2013

ALKAN M., Topografik Haritaların Sunum Yöntemleri ve Bu Yöntemlerin Karşılaştırılmalı Değerlendirilmesi, Postgraduate, F.KALLE(Student), 2013

ALKAN M., Zonguldak arazi kullanım değişiminin uzaktan algılama ve coğrafi bilgi sistemleri ile zamansal analizi, Postgraduate, Ç.BAYIK(Student), 2012

ALKAN M., 6831 Sayılı Orman Kanununun 2/B maddesi gereğince kadastrosu yapılmış ve orman vasfını yitirmiş arazilerin hak sahiplerine satışının incelenmesi, Postgraduate, Z.Abidin(Student), 2012

ALKAN M., Türkiye'de kentsel dönüşüm: Kuzey Ankara protokol yolu örneği, Postgraduate, İ.AYYILDIZ(Student), 2010

ALKAN M., 1/5000 ölçekli standart topografik kadastral (stk) haritaların kullanılabilirliğinin araştırılması: Kastamonu-Taşköprü örneği, Postgraduate, Y.SOLAK(Student), 2010

ALKAN M., Kırsal alanlara yönelik suç bilgi sistemi tasarımı ve uygulaması: Zonguldak örneği, Postgraduate, M.ATAR(Student), 2010

ALKAN M., Tarihi yapıların kayıt altına alınması ve korunmasına yönelik tarihi kent bilgi sistemi oluşturulması: Safranbolu örneği, Postgraduate, D.ARCA(Student), 2010

ALKAN M., 3194 Sayılı İmar Kanununun 18. Madde Uygulamaları ve Karşılaşılan Sorunlar : Yenimahalle- Ankara Örneği, Postgraduate, S.AYYILDIZ(Student), 2010

ALKAN M., Kent Bilgi Sistemi Tasarımı ve Uygulaması: Kozlu Örneği, Postgraduate, G.BULUT(Student), 2008

ALKAN M., Taşınmaz değerlemesi bilgi sistemi tasarımı ve uygulaması: Yenişehir örneği, Postgraduate, F.ÖZFİDAN(Student), 2008

## Jury Memberships

Post Graduate, Post Graduate, Gebze Teknik Üniversitesi, June, 2019

Doctorate, Juri Üyeliği, Yıldız Teknik Üniversitesi, June, 2016

Doctorate, Juri Üyeliği, İstanbul Üniversitesi, April, 2013

Post Graduate, Juri Üyeliği, Bülent Ecevit Üniversitesi, June, 2010

Doctorate, Juri Üyeliği, Bülent Ecevit Üniversitesi, May, 2010

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

- I. **Assessing the impact of unplanned settlements on urban renewal projects with GEE**  
Yılmaz O., Alkan M.  
HABITAT INTERNATIONAL, vol.149, pp.0-11, 2024 (SSCI)
- II. **Applicability of spatial planning system package for the LADM Turkey country profile**  
Yılmaz O., Alkan M.  
TRANSACTIONS IN GIS, vol.1, no.25, pp.1-25, 2024 (SSCI)
- III. **Modelling of spatial planning systems with LADM standard: the case in Turkish regulatory planning system**  
YILMAZ O., GÜRSOY SÜRMELELİ H., ALKAN M.  
Survey Review, 2023 (SCI-Expanded)
- IV. **Spatial-Land use planning system data model proposal for edition II of LADM**

YILMAZ O., GÜRSOY SÜRMELELİ H., ALKAN M.

Geocarto International, vol.38, no.1, 2023 (SCI-Expanded)

- V. **The Application Domain Extension (ADE) 4D Cadastral Data Model and Its Application in Turkey**  
Gürsoy Sürmeneli H., Koeva M., Alkan M.  
PROCEEDINGS (MDPI), vol.11, no.5, pp.1-16, 2022 (SSCI)
- VI. **Design and implementation of a 4D cadastral legal model for Turkish land administration infrastructure based on LADM**  
Gürsoy Sürmeneli H., Alkan M., Koeva M.  
GEOCATO INTERNATIONAL MULTI-DISCIPLINARY JOURNAL OF REMOTE SENSING AND GIS, vol.1, no.1, pp.1-24, 2022 (SCI-Expanded)
- VII. **Global scientific production on LADM-based research: A bibliometric analysis from 2012 to 2020**  
Polat Z. A., ALKAN M., Paulsson J., Paasch J. M., Kalogianni E.  
LAND USE POLICY, vol.112, 2022 (SSCI)
- VIII. **Associating Land Registry and Cadastre Transactions with LADM-Based External Archive Data Model: A Case Study of Turkey**  
Polat Z. A., Alkan M.  
Survey Review, vol.53, pp.1-20, 2021 (SCI-Expanded)
- IX. **Quality analysis of worldview-4 DSMS generated by least squares matching and semi-global matching**  
Sefercik U. G., Alkan M., Jacobsen K., Atalay C., Büyüksalih G.  
Journal Of Applied Remote Sensing, vol.33, pp.1-20, 2021 (SCI-Expanded)
- X. **Design and development 3D RRR model for Turkish cadastral system using international standards**  
Alkan M., Gürsoy Sürmeneli H., Polat Z. A.  
Survey Review, vol.53, no.379, pp.312-324, 2021 (SCI-Expanded)
- XI. **Towards standardisation of Turkish cadastral system using LADM with 3D cadastre**  
Gürsoy Sürmeneli H., Alkan M.  
Survey Review, pp.1-17, 2020 (SCI-Expanded)
- XII. **Optimizing the Achievable Information Content Extraction from WorldView-4 Stereo Imagery**  
Sefercik U. G., Alkan M., Atalay C., Jacobsen K., Büyüksalih G., Karakış S.  
Photogrammetrie Fernerkundung Geoinformation, vol.88, no.6, pp.449-461, 2020 (SCI-Expanded)
- XIII. **The role of government in land registry and cadastre service in Turkey: Towards a government 3.0 perspective**  
Polat Z. A., ALKAN M.  
LAND USE POLICY, vol.92, 2020 (SSCI)
- XIV. **Design and implementation of a LADM-based external archive data model for land registry and cadastre transactions in Turkey: A case study of municipality**  
Polat Z. A., Alkan M.  
LAND USE POLICY, vol.77, pp.249-266, 2018 (SSCI)
- XV. **A LADM-based temporal cadastral information system for modelling of easement rights – A case study of Turkey DOI : 10.1080/00396265.2018.1503481**  
POLAT Z. A., ALKAN M., Oosterom P., Lemmen C.  
SURVEY REVIEW, pp.1, 2018 (SCI-Expanded)
- XVI. **A LADM Based Temporal Cadastral Information System for Modelling of Easement Rights : A Case Study Of Turkey (Kabul edildi, basım aşamasında)**  
POLAT Z. A., ALKAN M., van Oosterom P., Lemmen C.  
SURVEY REVIEW, pp.1, 2018 (SCI-Expanded)
- XVII. **Determining strategies for the cadastre 2034 vision using an AHP-Based SWOT analysis: A case study for the turkish cadastral and land administration system**  
POLAT Z. A., ALKAN M., Surmeneli H. G.  
LAND USE POLICY, vol.67, pp.151-166, 2017 (SSCI)
- XVIII. **Design and development of LADM-based infrastructure for Turkey**  
Alkan M., Polat Z. A.  
SURVEY REVIEW, vol.49, pp.370-385, 2017 (SCI-Expanded)
- XIX. **Point-based and model-based geolocation analysis of airborne laser scanning data**  
Sefercik U. G., BUYUKSALIH G., JACOBSEN K., ALKAN M.  
OPTICAL ENGINEERING, vol.56, no.1, 2017 (SCI-Expanded)

- XX. **Development of an advertisement tax system based on a geographic information system.**  
Alkan M., Gürsoy Sürmeneli H.  
Proceedings Of The Institution Of Civil Engineers-Municipal Engineer, vol.171, pp.1, 2016 (SCI-Expanded)
- XXI. **Arazi Yönetimi Mevzuatının Benzerliklerinin Tespitinde Ortak Atıf ve Ortak Kavramlar Yönteminin Kullanımı**  
POLAT Z. A., ALKAN M.  
Harita Teknolojileri Elektronik Dergisi, vol.7, no.2, pp.43-45, 2015 (SCI-Expanded)
- XXII. **Contribution of Normalized DSM to Automatic Building Extraction from HR Mono Optical Satellite Imagery**  
Sefercik U. G., Karakis S., Bayik C., ALKAN M., YASTIKLI N.  
EUROPEAN JOURNAL OF REMOTE SENSING, vol.47, pp.575-591, 2014 (SCI-Expanded)
- XXIII. **GENERATION AND VALIDATION OF HIGH-RESOLUTION DEMS FROM WORLDVIEW-2 STEREO DATA**  
Sefercik U. G., ALKAN M., Buyuksalih G., Jacobsen K.  
PHOTOGRAMMETRIC RECORD, vol.28, no.144, pp.362-374, 2013 (SCI-Expanded)
- XXIV. **Monitoring Spatial and Temporal Land Use/Cover Changes; a Case Study in Western Black Sea Region of Turkey**  
Alkan M., Oruc M., Yildirim Y., Şeker D. Z., JACOBSEN K.  
JOURNAL OF THE INDIAN SOCIETY OF REMOTE SENSING, vol.41, no.3, pp.587-596, 2013 (SCI-Expanded)
- XXV. **Geometric accuracy and information content of WorldView-1 images**  
Alkan M., BUYUKSALIH G., Sefercik U. G., JACOBSEN K.  
OPTICAL ENGINEERING, vol.52, no.2, 2013 (SCI-Expanded)
- XXVI. **GIS and remote-sensing-based urban-information system design and development: A case study for Kozlu, Zonguldak**  
Alkan M., Bulut G.  
SCIENTIFIC RESEARCH AND ESSAYS, vol.5, pp.2889-2899, 2010 (SCI-Expanded)
- XXVII. **An investigation of 1:5000 scale photogrammetric data for cadastral mapping uses: A case study of Kastamonu-Taskopru**  
Alkan M., Solak Y.  
AFRICAN JOURNAL OF AGRICULTURAL RESEARCH, vol.5, pp.2576-2588, 2010 (SCI-Expanded)
- XXVIII. **A design of temporal geographic information systems (TGIS) for Turkish land register and cadastre data**  
Alkan M., Cömert Ç.  
SCIENTIFIC RESEARCH AND ESSAYS, vol.5, pp.700-708, 2010 (SCI-Expanded)
- XXIX. **The Turkish cadastral information system and lessons learned**  
Cete M., Palancioglu H. M., Geymen A., Alkan M.  
SCIENTIFIC RESEARCH AND ESSAYS, vol.5, no.7, pp.625-633, 2010 (SCI-Expanded)
- XXX. **Advanced Analysis of Differences between C and X Bands using SRTM Data for Mountainous Topography**  
Sefercik U. G., Alkan M.  
JOURNAL OF THE INDIAN SOCIETY OF REMOTE SENSING, vol.37, no.3, pp.335-349, 2009 (SCI-Expanded)
- XXXI. **DETECTION OF COAL ASH TURBIDITY IN MARINE ENVIRONMENT USING REMOTE SENSING**  
Yildirim Y., Alkan M., Oruc M.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.18, no.11, pp.2072-2078, 2009 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Review of the Turkey spatial planning system for developing the land administration domain model planning package**  
Yılmaz O., Alkan M.  
Jeodezi ve jeoinformasyon dergisi (Online), vol.9, no.2, pp.150-165, 2022 (Peer-Reviewed Journal)
- II. **DESIGN AND DEVELOPMENT OF AN LADM-BASED EXTERNAL DATA MODEL FOR LAND REGISTRY AND CADASTRE TRANSACTIONS IN TURKEY: A CASE STUDY OF TREASURY REAL PROPERTIES**  
ALKAN M., Arslan E. T.  
BOLETIM DE CIENCIAS GEODESICAS, vol.27, no.1, 2021 (ESCI)
- III. **Lisans ve lisansüstü düzeyinde verilen taşınmaz değerlendirme eğitiminin değerlendirme lisansı sınavı kapsamında değerlendirilmesi**  
Alkan M., Polat D. Z. A.  
Geomatik, vol.6, no.1, pp.15-30, 2021 (Peer-Reviewed Journal)

- IV. **Modelling of Temporal Query of 3D Legal Objects in Turkey**  
Alkan M., Gürsoy Sürmeneli H.  
Turkish Journal of Remote Sensing and GIS, vol.1, no.2, pp.125-136, 2020 (Peer-Reviewed Journal)
- V. **Evaluation of the Effects of Land Cover Changes and Urbanization on Land Surface Temperature: a Remote Sensing Study of sub-Watershed of Oued Fekan, Northwest Algeria**  
Alkan M.  
Sigma Journal of Engineering and Natural Sciences, vol.38, pp.1-20, 2020 (ESCI)
- VI. **Temporal NDVI change detection of Nepal using MODIS imagery**  
Alkan M.  
Sigma Journal of Engineering and Natural Sciences, vol.38, pp.1-18, 2020 (ESCI)
- VII. **3D cadastral standard definition and development using international standards for Turkey cadastral system**  
Alkan M., Gürsoy Sürmeneli H.  
HKM Jeodezi Jeoinformasyon Arazi Yönetimi Dergisi, vol.7, pp.70-85, 2020 (Peer-Reviewed Journal)
- VIII. **DESIGN FOR 3D CITY MODEL MANAGEMENT USING REMOTE SENSING AND GIS: A CASE STUDY FOR THE GOLDEN HORN IN ISTANBUL, TURKEY**  
Büyüksalih İ., Alkan M., Gazioğlu C.  
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.37, no.4, pp.1447-1462, 2019 (ESCI)
- IX. **Bibliometric Analysis of Land Administration Domain Model: Scopus Database**  
Taş Arslan E., Alkan M.  
Journal of Current Researches on Engineering, Science and Technology, vol.4, no.2, pp.43-54, 2018 (Peer-Reviewed Journal)
- X. **DESIGN SPATIAL AND NON-SPATIAL DATA MODELLING BASED ON THE LADM STRUCTURE FOR LAND REGISTRY AND CADASTRAL SYSTEM IN TURKEY**  
Polat Z. A., Alkan M.  
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.36, pp.1081-1095, 2018 (Peer-Reviewed Journal)
- XI. **Taşınmaz Değerlemesine Yönelik Coğrafi Bilgi Sistemi Tasarımı ve Uygulaması**  
Alkan M., Özfidan F.  
Karaemas Fen ve Mühendislik Dergisi, vol.6, no.2, pp.334-344, 2016 (Peer-Reviewed Journal)
- XII. **QUERYING CADASTRAL PARCEL DATA DEFINED BY INSPIRE URI MODEL BY USING QR CODE: TURKISH CASE STUDY**  
POLAT Z. A., ALKAN M.  
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.34, no.1, pp.57-69, 2016 (ESCI)
- XIII. **Tarihi Alanlarda Web-CBS Uygulamaları, 2013 (1), 105-111.**  
Alkan M., Arca D., Bayık Ç., Şeker D. Z.  
Havacılık ve Uzay Teknolojileri Dergisi, vol.6, no.1, pp.105-111, 2013 (Peer-Reviewed Journal)
- XIV. **Tarihi Kentlere Yönelik Web CBS Uygulaması Safranbolu Örneği**  
Arca D., Bayık Ç., Acar H., Alkan M., Şeker D. Z.  
HKM Jeodezi, Jeoinformasyon ve Arazi Yönetimi Dergisi, vol.104, pp.26-29, 2011 (Peer-Reviewed Journal)
- XV. **Zamansal Coğrafi Bilgi Sistemleri (ZCBS), ZCBS Veri Modelleri ve ZCBS'nin Kullanım Alanları, , 2006 (2), 49-59.**  
ALKAN M., CÖMERT Ç.  
Yapı Teknolojileri Elektrik Dergisi, vol.2, no.2, pp.49-59, 2006 (Non Peer-Reviewed Journal)
- XVI. **Coğrafi Bilgi Sistemlerinde (CBS) Ağ Analizi Teknikleriyle Emlak Vergi Değerlerinin Takibi.**  
ALKAN M., NIŞANCI R., YILDIRIM V.  
Dokuz Eylül Üniversitesi Fen ve Mühendislik Dergisi, vol.8, no.1, pp.109-117, 2006 (Non Peer-Reviewed Journal)

## Books & Book Chapters

### I. Design and Develop GIS for Regional and Urban Planning

Polat Z. A., Alkan M.

in: Theoretical Investigations and Applied Studies in Engineering, Turgut Ozseven, Editor, Ekin, Bursa, pp.199-214, 2019

## Refereed Congress / Symposium Publications in Proceedings

- I. **THE JOINT SPATIAL PLANNING DATA MODEL**  
YILMAZ O., ALKAN M.  
2022 Geoinformation Week: Broadening Geospatial Science and Technology, Virtual, Online, Malaysia, 14 - 17 November 2022, vol.48, pp.387-390
- II. **Creation of Spatial Plans Package for the Representation of Rrrs Caused by Spatial Plans Within the LADM Standard: a Case Study for Turkey**  
Yilmaz O., Alkan M.  
XVII FIG CONGRESS, Warszawa, Poland, 11 - 16 September 2022, no.11437, pp.1-15
- III. **Towards Investigation of Integrating LADM, BIM, and CityGML of 3D Condominium Rights for Cadastral Purposes: The Case of Turkish Cadastral System**  
Gürsoy Sürmeneli H., Alkan M., Koeva M.  
The 10th Land Administration Domain Model Workshop, FIG, Dubrovnik, Croatia, 31 March - 01 April 2022, pp.1-8
- IV. **Integration of LADM and CityGML for 3D Cadastre of Turkey**  
Gürsoy Sürmeneli H., Koeva M., Alkan M.  
3D GEOINFO AND 3D CADASTRE, New York, United States Of America, 11 - 14 October 2021, pp.309-323
- V. **A COMPARISON OF TURKEY-MALAYSIA LADM COUNTRY PROFILE FOR 3D CADASTRE PURPOSES**  
Gürsoy Sürmeneli H., Alkan M., Rahman A. A.  
International Conference Geospatial Asia-Europe 2021, Marrakush, Morocco, 5 - 06 October 2021, pp.1-7
- VI. **TOWARDS INTEGRATION OF LADM AND CITYGML FOR THE CADASTRAL SYSTEM OF TURKEY**  
Gürsoy Sürmeneli H., Koeva M., Zevenbergen J., Alkan M.  
XXIV ISPRS Congress, Nice, France, 31 August - 02 September 2020, pp.691-968
- VII. **DESIGN AND DEVELOPMENT LADM FOR THE TREASURY REAL ESTATE**  
Alkan M.  
International Symposium on Applied Geoinformatics (ISAG-2019) , İstanbul, Turkey, 7 - 09 November 2019, pp.1-4
- VIII. **DESIGN AND DETERMINE TURKEY CADASTRAL COUNTRY PROFILE BASED ON LADM**  
Alkan M.  
International Symposium on Applied Geoinformatics (ISAG-2019) , İstanbul, Turkey, 7 - 09 November 2019, pp.1-6
- IX. **Towards to 3D Cadastre and LADM in Turkey**  
Alkan M.  
International Symposium on Applied Geoinformatics (ISAG-2019) , İstanbul, Turkey, 7 - 09 November 2019, pp.1-2
- X. **INVESTIGATING FOR 3D TURKEY CADASTRE WITH INTERNATIONAL STANDARDS**  
Gürsoy Sürmeneli H., Alkan M.  
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## Supported Projects

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## Scientific Refereeing

LAND USE POLICY, Journal Indexed in SSCI, September 2020

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INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, SCI Journal, July 2020

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ARABIAN JOURNAL OF GEOSCIENCES, SCI Journal, April 2020

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Yildiz Technical University, Turkey, March 2020

SURVEY REVIEW, SCI Journal, February 2020

JOURNAL OF ENVIRONMENTAL MANAGEMENT, SCI Journal, October 2019

LAND USE POLICY, Journal Indexed in SSCI, September 2019

LAND USE POLICY, Journal Indexed in SSCI, May 2019

JOURNAL OF ENVIRONMENTAL MANAGEMENT, SCI Journal, February 2019

LAND USE POLICY, Journal Indexed in SSCI, May 2017

Journal Of Environmental Management, SCI Journal, December 2016

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Yildiz Technical University, Turkey, June 2015

## **Scientific Consultations**

Tubitak Bilgem, Scientific Consultancy, Yildiz Technical University, Faculty Of Civil Engineering, Geomatic Engineering, Turkey, 2018 - 2019

## **Mobility Activity**

Erasmus Programme, Staff Mobility, Kathmandu University, Nepal, 2018 - 2018

## **Metrics**

Publication: 128

Citation (WoS): 110

Citation (Scopus): 133

H-Index (WoS): 7

H-Index (Scopus): 6

## **Congress and Symposium Activities**

LAMD 2019, Invited Speaker, Kuala-Lumpur, Malaysia, 2019

FIG Annual Week 2019, Working Group, Thanh-Pho-Ho-Chi-Minh, Vietnam, 2019

ISPRS TC IV Mid-term Symposium "3D Spatial Information Science – The Engine of Change, Working Group, Amsterdam, Netherlands, 2018

6th International FIG 3D Cadastre Workshop, Working Group, Amsterdam, Netherlands, 2018

XXVI FIG Congress, Working Group, İstanbul, Turkey, 2018

7th International FIG workshop on the Land Administration Domain Model, Invited Speaker, Zagreb, Croatia, 2018

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INTERNATIONAL SYMPOSIUM ON GIS APPLICATIONS IN GEOGRAPHY & GEOSCIENCES , Working Group, Çanakkale, Turkey, 2017

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TMMOB Harita ve Kadastro Mühendisleri Odası, 16. Türkiye Harita Bilimsel ve Teknik Kurultayı, Working Group, Ankara, Turkey, 2017

ISPRS 2016 - XXIII ISPRS Congress, Working Group, Praha, Czech Republic, 2016

INSPIRE 2016, Working Group, Madrid, Spain, 2016

## **Non Academic Experience**

Tapu ve Kadastro Genel Müdürlüğü