

Prof. Tahsin Yomraliođlu

Personal Information

Office Phone: [+90 212 285 3414](tel:+902122853414)

Fax Phone: [+90 212 285 6587](tel:+902122856587)

Email: tahsin@itu.edu.tr

Other Email: tahsin.ofis@gmail.com

Web: <https://tahsinhoca.net>

Address: ITU İnşaat Fakóltesi, Geomatik Müh. Böl. Maslak Sarıyer-İstanbul

Biography

Prof. Tahsin Yomraliođlu graduated from the Department of Surveying Engineering of Karadeniz Technical University (KTU), Trabzon, Turkey, in 1985. He worked on Land Information Systems at the University of New Brunswick (UNB) in Fredericton, Canada. In 1993, he obtained his PhD from the University of Newcastle upon Tyne, England. First, he was appointed as a full-time professor at KTU in 2001 and then at Istanbul Technical University (ITU) in 2009. He has been the deputy chairman of the Department and the head of both Land Management and Cartography Divisions at KTU. He was also appointed as the general secretary in the University and an adviser to the rector of KTU and the rector of ITU. He has been served as a member on various commissions and also worked as a project manager and consultant in several public and private institutions. As a supervisor, he supervised over 30 MScE and PhD theses. He established the ITU-GeoIT graduate programme and the first national GIS R&D innovation center of Turkey. He has published many scientific research publications in the field of GIS, SDI, cadastre, land management, etc.

Education Information

Doctorate, University Of Newcastle Upon Tyne, Geomatics, United Kingdom 1990 - 1993

Post Graduate, Karadeniz Teknik Üniversitesi, Mühendislik Fakóltesi, Harita Mühendisliđi Bölümü, Turkey 1985 - 1988

Under Graduate, Karadeniz Teknik Üniversitesi, Mühendislik Fakóltesi, Harita Mühendisliđi Bölümü, Turkey 1981 - 1985

Dissertations

Doctorate, A Nominal Asset Value-Based Approach for Land Readjustment and Its Implementation Using Geographical Information System, University Of Newcastle Upon Tyne, Geomatics, 1993

Post Graduate, Arsa ve arazi düzenlemesi çalışmalarında bilgisayardan yararlanma, Karadeniz Teknik Üniversitesi, Mühendislik Fakóltesi, Harita Mühendisliđi Bölümü, 1988

Research Areas

Geotechnical Engineering, Land Management, Geographic Information Systems, Engineering and Technology

Academic Titles / Tasks

Professor, Istanbul Technical University, İnşaat, Geomatik Mühendisliđi, 2009 - Continues

Professor, Karadeniz Teknik Üniversitesi, Mühendislik Fakóltesi, Harita Mühendisliđi Bölümü, 2001 - 2009

Associate Professor, Karadeniz Teknik Üniversitesi, Mühendislik Fakültesi, Harita Mühendisliği Bölümü, 1995 - 2001
Assistant Professor, Karadeniz Teknik Üniversitesi, Mühendislik Fakültesi, Harita Mühendisliği Bölümü, 1993 - 1995
Research Assistant, Karadeniz Teknik Üniversitesi, Mühendislik-Mimarlık Fakültesi, Jeodezi Ve Fotogrametri Mühendisliği Pr., 1986 - 1993

Academic and Administrative Experience

İstanbul Teknik Üniversitesi, Ulusal Yüksek Başarımlı Hesaplama Araştırma Ve Uygulama Merkezi, 2011 - 2012
İstanbul Teknik Üniversitesi, Rektörlük, 2009 - 2012
Karadeniz Teknik Üniversitesi, Rektörlük, 1997 - 2001
Karadeniz Teknik Üniversitesi, Rektörlük, 1996 - 1997
Karadeniz Teknik Üniversitesi, Mühendislik-Mimarlık Fakültesi, Jeodezi Ve Fotogrametri Mühendisliği Pr., 1994 - 1996
Karadeniz Teknik Üniversitesi, Mühendislik Fakültesi, Jeodezi Ve Fotogrametri Mühendisliği Bölümü, 1994 - 1995

Courses

Kadastro Bilgisi, Under Graduate, 2014 - 2015, 2015 - 2016, 2016 - 2017
Taşınmaz Mal (Gyrm) Değerlemesi, Under Graduate, 2016 - 2017
Taşınmaz Değerlemesi, Post Graduate, 2016 - 2017
Geographical Information Systems, Under Graduate, 2014 - 2015, 2015 - 2016, 2016 - 2017

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

- I. **Suitability Modeling and Sensitivity Analysis for Biomass Energy Facilities in Turkey**
Güler D., Charisoulis G., Battenfield B., Yomraloğlu T.
Clean Technologies And Environmental Policy, 2021 (Journal Indexed in SCI Expanded)
- II. **A reformative framework for processes from building permit issuing to property ownership in Turkey**
Güler D., Yomralioğlu T.
LAND USE POLICY, vol.101, 2021 (Journal Indexed in SSCI)
- III. **Implementation of serverless cloud GIS platform for land valuation**
Mete M. O. , Yomralioğlu T.
International Journal of Digital Earth, 2021 (Journal Indexed in SCI)
- IV. **A Crime Prevention System in Spatiotemporal Principles With Repeat, Near-Repeat Analysis and Crime Density Mapping: Case Study Turkey, Trabzon**
BEDİROĞLU G., Bediroglu S., ÇOLAK H. E. , Yomraloğlu T.
CRIME & DELINQUENCY, vol.64, no.14, pp.1820-1835, 2018 (Journal Indexed in SSCI)
- V. **Alternative suitable landfill site selection using analytic hierarchy process and geographic information systems: a case study in Istanbul**
Güler D., Yomraloğlu T.
Environmental Earth Sciences, vol.76, 2017 (Journal Indexed in SCI Expanded)
- VI. **A spatial multicriteria decision-making method for natural gas transmission pipeline routing**
YILDIRIM V., Yomraloğlu T., Nisanci R., ÇOLAK H. E. , Bediroglu S., SARALIOĞLU E.
STRUCTURE AND INFRASTRUCTURE ENGINEERING, vol.13, no.5, pp.567-580, 2017 (Journal Indexed in SCI)
- VII. **An Integrated Spatial Method for Minimizing Environmental Damage of Transmission Pipelines**
YILDIRIM V., Yomraloğlu T., Nisanci R., Colak E. H. , Bediroglu S., MEMİŞOĞLU T.
POLISH JOURNAL OF ENVIRONMENTAL STUDIES, vol.25, no.6, pp.2653-2663, 2016 (Journal Indexed in SCI)
- VIII. **Object-based classification with rotation forest ensemble learning algorithm using very-high-**

resolution WorldView-2 image

Kavzoglu T., Colkesen I., Yomraloğlu T.

REMOTE SENSING LETTERS, vol.6, no.11, pp.834-843, 2015 (Journal Indexed in SCI)

- IX. **GIS Based drinking water watershed management A case study of the Galyan Watershed in Turkey**
NİŞANCI R., YILDIRIM V., Yomraloğlu T., ÜLGER N. E., ÖZÇELİK A. E.
Environmental Engineering and Management Journal, vol.14, no.12, pp.2919-2927, 2015 (Journal Indexed in SCI Expanded)
- X. **Geostatistical Analysis of the Relationship Between Heavy Metals in Drinking Water and Cancer Incidence in Residential Areas in the Black Sea Region of Turkey**
ÇOLAK H. E., Yomraloğlu T., NİŞANCI R., YILDIRIM V., DURAN C.
JOURNAL OF ENVIRONMENTAL HEALTH, vol.77, no.6, pp.86-93, 2015 (Journal Indexed in SCI Expanded)
- XI. **Turkish street addressing system and geocoding challenges**
YILDIRIM V., Yomraloğlu T., Nisançi R., Inan H.
PROCEEDINGS OF THE INSTITUTION OF CIVIL ENGINEERS-MUNICIPAL ENGINEER, vol.167, no.2, pp.99-107, 2014 (Journal Indexed in SCI)
- XII. **Re-engineering of Turkish land administration**
Cete M., Yomraloğlu T.
SURVEY REVIEW, vol.45, no.330, pp.197-205, 2013 (Journal Indexed in SCI)
- XIII. **A GIS-based comparative study of frequency ratio, analytical hierarchy process, bivariate statistics and logistics regression methods for landslide susceptibility mapping in Trabzon, NE Turkey**
Yalcin A., Reis S., AYDINOGLU A. C., Yomraloğlu T.
CATENA, vol.85, no.3, pp.274-287, 2011 (Journal Indexed in SCI)
- XIV. **NABUCCO Pipeline Route Selection through Turkey Comparison of a GIS based Approach to a Traditional Route Selection Approach**
YILDIRIM V., Yomraloğlu T.
Oil Gas-European Magazine, vol.37, no.1, pp.20-24, 2011 (Journal Indexed in SCI Expanded)
- XV. **Evaluation of national farmers registry data in geo information context Case study of Trabzon Turkey**
İNAN H., Yomraloğlu T., ÜLGER N. E.
SCIENTIFIC RESEARCH AND ESSAYS, vol.6, no.2, pp.422-429, 2011 (Journal Indexed in SCI Expanded)
- XVI. **Spatial data-based e-municipality applications**
Geymen A., Yomraloğlu T.
PROCEEDINGS OF THE INSTITUTION OF CIVIL ENGINEERS-MUNICIPAL ENGINEER, vol.163, no.2, pp.77-88, 2010 (Journal Indexed in SCI)
- XVII. **A harmonised GI model for urban governance**
Aydinoglu A. C., Yomraloğlu T.
PROCEEDINGS OF THE INSTITUTION OF CIVIL ENGINEERS-MUNICIPAL ENGINEER, vol.163, no.2, pp.65-76, 2010 (Journal Indexed in SCI)
- XVIII. **Managing land use/cover data harmonized to support land administration and environmental applications in Turkey**
Aydinoglu A. C., Yomraloğlu T., Inan H. I., SESLİ F. A.
SCIENTIFIC RESEARCH AND ESSAYS, vol.5, no.3, pp.275-284, 2010 (Journal Indexed in SCI)
- XIX. **Geo-Relationship between Cancer Cases and the Environment by GIS: A Case Study of Trabzon in Turkey**
Yomraloğlu T., Colak E. H., AYDINOGLU A. C.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH, vol.6, no.12, pp.3190-3204, 2009 (Journal Indexed in SCI)
- XX. **Evaluation of initiatives for spatial information system to support Turkish agriculture policy**
Yomraloğlu T., Inan H. I., Aydinoglu A. C., UZUN B.
SCIENTIFIC RESEARCH AND ESSAYS, vol.4, no.12, pp.1523-1530, 2009 (Journal Indexed in SCI)
- XXI. **Designing and Developing a Province-Based Spatial Database for the Analysis of Potential**

Environmental Issues in Trabzon, Turkey

Reis S., Nisanci R., Yomralioğlu T.

ENVIRONMENTAL ENGINEERING SCIENCE, vol.26, no.1, pp.123-130, 2009 (Journal Indexed in SCI)

XXII. Using landsat data to determine land use/land cover changes in Samsun, Turkey

Guler M., Yomralioğlu T., REIS S.

ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.127, pp.155-167, 2007 (Journal Indexed in SCI)

XXIII. Detection of current and potential hazelnut plantation areas in Tabzon North East Turkey using GIS and RS

REİS S., Yomralioğlu T.

JOURNAL OF ENVIRONMENTAL BIOLOGY, vol.27, no.4, pp.653-659, 2006 (Journal Indexed in SCI Expanded)

Articles Published in Other Journals

I. Açık Kaynaklı Bulut CBS Yardımıyla Kitlemel Taşınmaz Değerleme Uygulaması

Mete M. O. , Yomralioğlu T.

Harita Dergisi, vol.165, pp.28-42, 2021 (Other Refereed National Journals)

II. Suitable location selection for the electric vehicle fast charging station with AHP and fuzzy AHP methods using GIS

Güler D., Yomralioğlu T.

ANNALS OF GIS, vol.26, no.2, pp.169-189, 2020 (Journal Indexed in ESCI)

III. Creation of Nominal Asset Value-Based Maps using GIS: A Case Study of Istanbul Beyoğlu and Gaziosmanpaşa Districts

Mete M. O. , Yomralioğlu T.

GI Forum, vol.7, no.2, pp.98-112, 2019 (Refereed Journals of Other Institutions)

IV. CBS ile Nominal Taşınmaz Değer Haritası Üretiminde Çözünürlük Araştırması

Mete M. O. , Yomralioğlu T.

Türkiye Arazi Yönetimi Dergisi, vol.1, no.1, pp.16-23, 2019 (Other Refereed National Journals)

V. Development of 3D Web GIS Application with Open Source Library

Mete M. O. , Güler D., Yomralioğlu T.

Selçuk Üniversitesi Mühendislik, Bilim ve Teknoloji Dergisi, vol.6, pp.818-824, 2018 (National Refreed University Journal)

VI. Coğrafi Bilgi Sistemleri ve Analitik Hiyerarşi Yöntemi ile Düzenli Deponi Yer Seçimi: İstanbul İli Örneği

Güler D., Yomralioğlu T.

Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, vol.17, pp.262-269, 2017 (National Refreed University Journal)

VII. Kamu Yönetiminde Coğrafi Bilgi Teknolojileri ve Kent Bilgi Sistemleri

YOMRALIOĞLU T.

Türk İdareciler Derneği- İdarecinin Sesi Dergisi, 2017 (Other Refereed National Journals)

Books & Book Chapters

I. Arazi Yönetimi / Land Management

YOMRALIOĞLU T.

İTÜ Geomatik, 2019

II. Kadastro / Cadastre

YOMRALIOĞLU T.

İTÜ Geomatik, 2019

III. The Shortcomings of Land Readjustment Application in Turkey

YOMRALIOĞLU T., UZUN B., Nişancı R.

in: Land Readjustment: Solving Urban Problems Through Innovative Approach, Felipe Francisco De Souza,Takeo Ochi, Akio Hosono, Editor, Japan International Cooperation Agency Research Institute, Tokyo, pp.183-189, 2018

IV. Cadastre Geo Information Innovations in Land Administration

YOMRALIOĞLU T., McLAUGHLIN J.

Springer International Publishing, 2017

Refereed Congress / Symposium Publications in Proceedings

- I. Open Source Cloud GIS Framework For Real Estate Valuation**
Mete M. O. , Yomralıođlu T.
International Symposium on Applied Geoinformatics, İstanbul, Turkey, 7 - 09 November 2019, vol.1, pp.332-335
- II. Nominal Taşınmaz Değerleme Yöntemi İle Cbs-Tabanlı Değer Haritası Oluşturma: İstanbul İli Örneđi**
Mete M. O. , Yomralıođlu T.
Gayrimenkul Araştırmaları Ulusal Konferansı, İstanbul, Turkey, 4 - 05 October 2019, pp.13
- III. Creation of Nominal Asset Value-Based Map with GIS: Case Study of İstanbul Beyođlu and Gaziosmanpaşa Districts**
METE M. O. , YOMRALIOĞLU T.
GI_Forum 2019, Salzburg, Austria, 2 - 05 July 2019
- IV. Coğrafi Bilgi Sistemi Destekli Nominal Taşınmaz Değer Haritası Üretiminde Çözünürlük İrdelemesi**
Mete M. O. , Yomralıođlu T.
TUFUAB X. Teknik Sempozyumu, Aksaray, Turkey, 25 - 27 April 2019, pp.178-185
- V. Elektrikli Araç Şarj İstasyonu Yer Seçiminde Açık Kaynak Kodlu CBS Yazılım Kullanımı**
GÜLER D., YOMRALIOĞLU T.
X. Türkiye Ulusal Fotogrametri ve Uzaktan Algılama Birliđi (TUFUAB) Teknik Sempozyumu, Aksaray, Turkey, 25 - 27 April 2019
- VI. Gis and fuzzy ahp based area selection for electric vehicle charging stations**
Güler D., Yomralıođlu T.
ISPRS TC IV Mid-Term Symposium on 3D Spatial Information Science - The Engine of Change, Delft, Netherlands, 1 - 05 October 2018, vol.42, pp.315-320
- VII. Spatial Classification of Land Parcels in Land Administration Systems**
İNAN H., AYDINOĞLU A. Ç. , YOMRALIOĞLU T.
International Conference on SDI, FON University, Skopje, Macedonia, 15 - 17 September 2010, pp.405-413
- VIII. Development of 3D Web GIS Application with Open Source Library**
Mete M. O. , Güler D., Yomralıođlu T.
EURASIAN GIS CONGRESS 2018, Baku, Azerbaijan, 4 - 07 September 2018, pp.35
- IX. Comparison of Supervised Classification Methods Accuracies Using Sentinel-2 Data**
Güler D., Yomralıođlu T.
COSPAR 2018, California, United States Of America, 14 - 22 July 2018
- X. Optimal location selection for electrical vehicle charging stations using GIS**
Yomralıođlu T.
7th International Conference on Cartography and GIS, Sozopol, Bulgaria, 18 - 23 June 2018, pp.340-345
- XI. Optimal Location Selection for Electric Vehicle Charging Stations Using GIS**
Güler D., Yomralıođlu T.
7th International Conference on Cartography and GIS, Burgas, Bulgaria, 18 - 23 June 2018, pp.340-345
- XII. A GIS-Based Landfill Site Selection Approach Using Spatial Multi-Criteria Decision Making Methods**
Güler D., Yomralıođlu T.
International Symposium on GIS Applications in Geography Geosciences, Çanakkale, Turkey, 18 - 21 October 2017, pp.599-606
- XIII. Designing a Geo-Database Model for Urban Regeneration Process in Turkey**

YOMRALIOĞLU T., CANDAS E., TUNÇ A.

Int. Symp. on GIS Applications in GG, 18 - 21 October 2017

XIV. Developing a Service-Based Decision Support Platform for Integrated Solid Waste Management Systems

YOMRALIOĞLU T., YILDIRIM V., TERZİ F.

International Symposium on GIS applications in Geography Geosciences, 18 - 21 October 2017

XV. The Geo-Spatial Address Registration System Model to Turkey

YILDIRIM V., URAL H., BEDİROĞLU Ş., YOMRALIOĞLU T.

ESRI International User Conference, 10 - 14 July 2017

XVI. Independent Section 3D Modelling Buildings with Procedural Modelling

BEDİROĞLU Ş., YOMRALIOĞLU T., YILDIRIM V.

ESRI International User Conference, 10 - 14 July 2017

XVII. Coğrafi Bilgi Sistemleri ve Analitik Hiyerarşi Yöntemi ile Düzenli Deponi Yer Seçimi: İstanbul İli Örneği

Güler D., Yomralıoğlu T.

IX. Türkiye Ulusal Fotogrametri ve Uzaktan Algılama Birliği (TUFUAB) Teknik Sempozyumu, Afyon, Turkey, 24 - 27 April 2017, pp.173-178

XVIII. Understanding Urban Regeneration In Turkey

CANDAS E., FLACKE J., YOMRALIOĞLU T.

2016 XXIII ISPRS Congress, PRAG, Czech Republic, 12 July 2016

XIX. Establishing A National 3D Geo Data Model For Building Data Compliant to CityGML Case of Turkey

ATES AYDER S., STOTER J., LEDOUX H., DEMİR E., YOMRALIOĞLU T.

XXIII ISPRS Congress, 12 July 2016

XX. 3D Geo Information Requirements For Disaster and Emergency Management

DEMİR E., ZLATANOVA S., ATES S., YOMRALIOĞLU T.

2016 XXIII ISPRS Congress, PRAG, Czech Republic, 12 July 2016, pp.101-108

XXI. Evaluating the Ownership Structure in Land Regeneration Applications

TUNÇ A., YOMRALIOĞLU T.

FIG Working Week 2015: Recovery from Disaster, Christchurch, New Zealand, 2 - 05 May 2016

XXII. CBS nin Dünü Bugünü

YOMRALIOĞLU T.

CBS Günü Etkinliği, Harita Müh Bölümü, KTÜ, Trabzon, Turkey, 30 November 2015

XXIII. Uzaktan Algılanmış Görüntülerde Optimum Bantların Seçiminde Destek Vektör Makinelerinin Kullanımı

ÇÖLKESEN İ., KAVZOĞLU T., YOMRALIOĞLU T.

Türkiye Ulusal Fotogrametri ve Uzaktan Algılama Birliği VIII. Sempozyumu (TUFUAB2015), Konya, Turkey, 21 - 23 May 2015

XXIV. Determining the factors affecting housing prices

CANDAS E., YOMRALIOĞLU T., BAĞDATLI KALKAN S.

FIG Working Week 2015, Sofya, Bulgaria, 17 - 21 May 2015

XXV. CADASTRE OR LAND ADMINISTRATION A CASE STUDY OF TURKEY

YOMRALIOĞLU T., ÇETE M.

The World Cadastre Summit, İstanbul, Turkey, 20 - 24 April 2015

XXVI. MILESTONES TO BUILD SPATIAL DATA INFRASTRUCTURE SUPPORTING SUSTAINABLE LAND MANAGEMENT

YOMRALIOĞLU T., AYDINOĞLU A. Ç.

The World Cadastre Summit, İstanbul, Turkey, 20 - 24 April 2015

XXVII. GIS Activities in Turkey

YOMRALIOĞLU T.

FIG GIS International Symposium 2002, 1 - 02 January 2002

Supported Projects

- Yomralođlu T., Project Supported by Higher Education Institutions, Arsa-arazi dzenleme sűrecinde tařınmaz deđerleme amaçlı idari yaklařımlar, 2010 - Continues
- Yomralođlu T., Project Supported by Higher Education Institutions, Cođrafi Bilgi Sistemleri İle Acil Durum Hizmetlerinin Yűnetimine Yűnelik Yaklařımların Belirlenmesi, 2010 - Continues
- Gűler D., Yomralođlu T., Project Supported by Higher Education Institutions, Akıllı Kentlere Yűnelik Kat Műlkiyeti Sűreçlerinin Dinamik Yűnetimi İçin CBS Tabanlı Entegre Bir Modelin Geliřtirilmesi, 2019 - 2021
- Yomralođlu T., Mete M. O. , Project Supported by Higher Education Institutions, Cođrafi Bilgi Sistemi İle İstanbul İli Nominal Tařınmaz Deđer Haritasının Oluřturulması, 2018 - 2019
- Yomralođlu T., Gűler D., Project Supported by Higher Education Institutions, Analitik Hiyerarřı Yűntemi ve Cođrafi Bilgi Sistemleri Kullanılarak Elektrikli Araç řarj İstasyonu Yer Seçimi İstanbul İli őrneđi, 2018 - 2019
- Yomralođlu T., Project Supported by Higher Education Institutions, Policies and Standards for Building Turkey National GIS Infrastructure, 2014 - 2018
- Yomralođlu T., Project Supported by Higher Education Institutions, Designing Object Relational Geographic Data Model For Disater Emergency Management Fire Case, 2011 - 2018
- Yomralođlu T., Project Supported by Higher Education Institutions, TűRKİYE DE KVA KURULMASINDA MEVCUT DURUM, 2010 - 2018
- Yomralođlu T., Project Supported by Higher Education Institutions, TűRKİYE őrNEĐİYLE INSPIRE UYUMLU COĐRAFİ VERİ STANDARTLARININ GELİřTİRLMESİ, 2009 - 2018

Citations

Total Citations (WOS):448

h-index (WOS):7