

## Prof. OZAN ARSLAN

### Personal Information

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### International Researcher IDs

ScholarID: 7800303452446928425

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Publons / Web Of Science ResearcherID: F-6791-2018

ScopusID: 35955815600

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### Education Information

Doctorate, Istanbul Technical University, İnşaat Fakültesi, Geomatik Mühendisliği Bölümü, Turkey 1995 - 2001

Postgraduate, Istanbul Technical University, İnşaat Fakültesi, Jeodezi Ve Fotogrametri Mühendisliği Bölümü, Turkey 1991 - 1993

Undergraduate, Istanbul Technical University, İnşaat Fakültesi, Jeodezi Ve Fotogrametri Mühendisliği Bölümü, Turkey 1986 - 1990

### Foreign Languages

English, C1 Advanced

### Research Areas

Engineering and Technology

### Academic Titles / Tasks

Professor, Kocaeli University, Mühendislik Fakültesi, Harita Mühendisliği, 2021 - Continues

Associate Professor, Kocaeli University, Mühendislik Fakültesi, Harita Mühendisliği, 2013 - Continues

### Academic and Administrative Experience

Kocaeli Üniversitesi, Mühendislik Fakültesi, Harita Mühendisliği Bölümü, 2009 - Continues

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

1. A research on the effect of geostatistical texture analysis on image classification accuracy  
AKYÜREK Ö., ARSLAN O.

GEOCARTO INTERNATIONAL, 2022 (Journal Indexed in SCI)

- II. **The determination of the true geometrical form of Great Ephesus theater, Turkey by using field surveys**  
ARSLAN O., KURT O.  
Survey Review, vol.53, no.376, pp.80-89, 2021 (Journal Indexed in SCI Expanded)
- III. **Dimension reduction methods applied to coastline extraction on hyperspectral imagery**  
ARSLAN O., AKYÜREK Ö., Kaya Ş., Şeker D. Z.  
GEOCARTO INTERNATIONAL, vol.35, no.4, pp.376-390, 2020 (Journal Indexed in SCI)
- IV. **A general accuracy measure for quality of elliptic sections fitting**  
Kurt O., Arslan O.  
MEASUREMENT, vol.145, pp.640-647, 2019 (Journal Indexed in SCI)
- V. **Accuracy assessment of single viewing techniques for metric measurements on single images**  
ARSLAN O.  
IET Computer Vision, vol.12, no.5, pp.693-701, 2018 (Journal Indexed in SCI)
- VI. **A comparative analysis of classification methods for hyperspectral images generated with conventional dimension reduction methods**  
ARSLAN O., AKYÜREK Ö., Kaya Ş.  
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.25, no.1, pp.58-72, 2017 (Journal Indexed in SCI)
- VII. **Determination of the Geometric Form of Hierapolis Theater in Pamukkale, Turkey**  
ARSLAN O., KURT O.  
JOURNAL OF SURVEYING ENGINEERING, vol.140, no.3, 2014 (Journal Indexed in SCI)
- VIII. **Spatially weighted principal component analysis (PCA) method for water quality analysis**  
ARSLAN O.  
Water Resources, vol.40, no.3, pp.315-324, 2013 (Journal Indexed in SCI)
- IX. **Spatial analysis of perinatal mortality rates with geographic information systems in Kocaeli, Turkey**  
ARSLAN O., ÇEPNİ M. S., Etiler N.  
Public Health, vol.127, no.4, pp.369-379, 2013 (Journal Indexed in SCI Expanded)
- X. **Siting a municipal solid waste disposal facility, Part one: An evaluation of different scenarios for a site selection procedure**  
Korucu M. K., ARSLAN O., KARADEMİR A.  
Journal of the Air and Waste Management Association, vol.63, no.8, pp.879-885, 2013 (Journal Indexed in SCI)
- XI. **GEOMETRIC INTERPRETATION AND PRECISION ANALYSIS OF ALGEBRAIC ELLIPSE FITTING USING LEAST SQUARES METHOD**  
KURT O., ARSLAN O.  
ACTA GEODAEITICA ET GEOPHYSICA HUNGARICA, vol.47, no.4, pp.430-440, 2012 (Journal Indexed in SCI)
- XII. **A GIS-based spatial-multivariate statistical analysis of water quality data in the Porsuk river, Turkey**  
ARSLAN O.  
Water Quality Research Journal of Canada, vol.44, no.3, pp.279-293, 2009 (Journal Indexed in SCI)
- XIII. **A novel confidence estimation method for neural networks in multispectral image classification**  
ARSLAN O.  
International Journal of Digital Earth, vol.2, no.4, pp.343-358, 2009 (Journal Indexed in SCI)

## Articles Published in Other Journals

- I. **Spatial Modelling of Air Pollution from PM10 and SO2 concentrations during Winter Season in Marmara Region (2013-2014)**  
ARSLAN O., AKYÜREK Ö.  
International Journal of Environment and Geoinformatics, vol.5, pp.1-16, 2018 (Refereed Journals of Other Institutions)

- II. **Orman Yangınlarının CBS Tabanlı Konumsal İstatistik Analizi: 2011-2015 Yılları Arasında Muğla Orman Bölge Sınırları İçerisinde Çıkan Yangınlar**  
Gayır B., ARSLAN O.  
Anadolu Orman Araştırmaları Dergisi, vol.4, no.1, pp.46-62, 2018 (Other Refereed National Journals)
- III. **Kocaeli İli ve Çevresinde (1900-2016) Yılları Arasında Gerçekleşen Tarihsel Depremlerin Konumsal İstatistik Analizi**  
AKYÜREK Ö., ARSLAN O.  
Geomatik, vol.3, pp.48-62, 2018 (Refereed Journals of Other Institutions)
- IV. **A GIS Approach to Evaluate Infrastructure Variables Influencing the Occurrence of Traffic Accidents in Urban Roads**  
ÇEPNİ M. S. , ARSLAN O.  
International Journal of Enviroment and Geomatics, vol.4, no.1, 2017 (Refereed Journals of Other Institutions)
- V. **3d Object Reconstruction from a Single Image**  
ARSLAN O.  
International Journal of Environment and Geoinformatics, vol.1, no.1, pp.21-28, 2014 (Refereed Journals of Other Institutions)
- VI. **Ölü Doğumların CBS ile Analizi ve Yorumlanması Kocaeli İli Örneği**  
ARSLAN O., ÇEPNİ M. S. , ETİLER LORDOĞLU N.  
HKM Jeodezi, Jeoinformasyon ve Arazi Yönetimi Dergisi, vol.2011, no.3, pp.10-15, 2011 (Other Refereed National Journals)
- VII. **Ölü Doğumların CBS ile Analizi ve Yorumlanması : Kocaeli İli Örneği**  
Çepni M. S. , Arslan O.  
Jeodezi, Jeoinformasyon ve Arazi Yönetimi Dergisi, vol.2011, no.3, pp.10-15, 2011 (Other Refereed National Journals)
- VIII. **Multivariate Statistical Analysis of Water Quality Data Using GIS: A case study for Porsuk River, Turkey**  
Arslan O.  
HKM Jeodezi Jeoinformasyon Arazi Yönetimi Dergisi, vol.20082, no.99, pp.53-63, 2008 (Other Refereed National Journals)
- IX. **İzmit Körfezi ve Çevre Su Havzalarındaki Kirlilik Boyutunun Uydu Görüntüleri ile İzlenmesi**  
ARSLAN O., İNCE C. D. , KURT O.  
Mimarizm Dergisi, Kocaeli Mimarlar Odası, vol.1, pp.114-117, 2005 (Other Refereed National Journals)

## **Refereed Congress / Symposium Publications in Proceedings**

- I. **Spatial Modelling of Local Variations on Earthquake Data in Kocaeli City Using Spatial Point Pattern Processes and Regression**  
ARSLAN O.  
VI. International Earthquake Symposium Kocaeli 2019, 25 - 27 September 2019
- II. **Spatio-temporal Analysis of Historical Earthquakes in Ayvacik Region in Canakkale city with GIS**  
ARSLAN O., AKYÜREK Ö.  
International Symposium on GIS Applications in Geography and Geosciences, Çanakkale, Turkey, 18 - 21 October 2017
- III. **Spatial Modelling of Air Pollution Concentrations with a Spatial Autoregressive Model : A Case Study in Canakkale City**  
ARSLAN O., AKYÜREK Ö.  
International Symposium on GIS Applications in Geography and Geosciences, Çanakkale, Turkey, 18 - 21 October 2017
- IV. **Metric Measurements From A Single Image With The Estimation of Vanishing Points**  
ARSLAN O.

Seuk International Scientific Conference On Applied Sciences, Turkey, 27 - 30 November 2016

- V. **A GIS APPROACH TO EVALUATE INFRASTRUCTURE VARIABLES INFLUENCING THE OCCURRENCE OF TRAFFIC ACCIDENTS IN URBAN ROADS**  
EPNİ M. S. , ARSLAN O.  
ISCAS2016 (INTERNATIONAL SCIENTIFIC CONFERENCE ON APPLIED SCIENCES), 27 - 30 October 2016, pp.1-5
- VI. **LANDSAT 7 ETM GÖRÜNTÜLERİ ÜZERİNDEN ÇİZGİSELLİKLERİN OTOMATİK ÇIKARIMI VE ANALİZİ: VAN DEPREMİ ÖRNEĞİ**  
ARSLAN O., AKYÜREK Ö.  
5th International Earthquake Symposium, Kocaeli, Turkey, 10 - 12 June 2015, pp.613-625
- VII. **So2 ve PM10 Hava Kirlilięi Parametrelerinin CBS ile Konumsal Analizi: Kocaeli Örneęi**  
AKYÜREK Ö., ARSLAN O., KARADEMİR A.  
4. Coęrafi Bilgi Sistemleri Kongresi, Ankara, Turkey, 11 November 2013, pp.1-12
- VIII. **Ölü Doęumların Cbs İle Analizi Ve Yorumlanması Kocaeli İli Örneęi**  
ARSLAN O., EPNİ M. S. , ETİLER LORDOęLU N.  
COęRAFİ BİLGİ SİSTEMLERİ KONGRESİ 2011, Antalya, Turkey, 31 October - 04 November 2011
- IX. **Learning with Geographic Information Systems in Turkey**  
Arslan O.  
GI\_Forum 2011, Salzburg, Austria, 5 - 08 July 2011, pp.152-155
- X. **Deprem Hasarlarının İzlenmesi Amacıyla Uydu Görüntülerinden Elde Edilen Konumsal Veri Yıęınlarının İyileştirilmesi Improving of Spatial Data Obtained from Remote Sensing Images for Monitoring of Earthquake Damages**  
İNCE C. D. , KONAK H., ARSLAN O.  
International Earthquake Symposium Kocaeli 2007, Kocaeli, Turkey, 22 - 26 October 2007, pp.526-536
- XI. **Improving of Spatial Data Obtained Remote Sensing İmages for Monitoring of Earhquake Damages**  
İNCE C. D. , KONAK H., ARSLAN O.  
International Earthquake Syposium Kocaeli 2007, Kocaeli, Turkey, 22 October 2007, pp.526-536
- XII. **Double Stage Semi Dynamic Polynomial Surface Fitting For Modelling The Local Geoid**  
KURT O., ARSLAN O., KONAK H.  
International Earthquake Symposium Kocaeli 2007, Kocaeli, Turkey, 22 - 26 October 2007, pp.265-274
- XIII. **Yapay Sinir Ağlarının Jeodezide Uygulamaları Üzerine Öneriler**  
ARSLAN O., KURT O., KONAK H.  
TMMOB-HKMO, 11. Türkiye Harita Bilimsel ve Teknik Kurultayı, Ankara, Turkey, 2 - 06 April 2007, pp.1-10
- XIV. **Yapay Sinir Ağlarının Jeodezide Uygulamaları Üzerine**  
ARSLAN O., KURT O., KONAK H.  
11. Türkiye Harita Bilimsel ve Teknik Kurultayı, X. Paralel Oturum: Jeodezi II, Ankara, Turkey, 02 April 2007
- XV. **Polinomsal Yükseklik Dönüşümü**  
Kurt O., Arslan O., Konak H.  
11. Harita Bilimsel ve Teknik Kurultayı, Ankara, XIII. Paralel Oturum: Jeodezi III, , , (2007), Ankara, Turkey, 2 - 06 April 2007, pp.1

## Supported Projects

ARSLAN O., Project Supported by Higher Education Institutions, DETERMİNATİON OF THE GEOMETRİC FORM OF ..., 2014 - 2015

## Metrics

Publication: 38

Citation (WoS): 46

Citation (Scopus): 57

H-Index (WoS): 5

H-Index (Scopus): 5