

Assoc. Prof. OZAN ARSLAN

Personal Information

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Education Information

Doctorate, İstanbul Teknik Üniversitesi, İnşaat Fakültesi, Geomatik Mühendisliği Bölümü, Turkey 1995 - 2001

Post Graduate, İstanbul Teknik Üniversitesi, İnşaat Fakültesi, Jeodezi Ve Fotogrametri Mühendisliği Bölümü, Turkey 1991 - 1993

Under Graduate, İstanbul Teknik Üniversitesi, İnşaat Fakültesi, Jeodezi Ve Fotogrametri Mühendisliği Bölümü, Turkey 1986 - 1990

Foreign Languages

English, C1 Advanced

Research Areas

Engineering and Technology

Academic Titles / Tasks

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

Assistant Professor, Kocaeli Üniversitesi, Mühendislik Fakültesi, Harita Mühendisliği Bölümü, 2003 - Continues

Professional Experience

Head of Department, Kocaeli Üniversitesi, Mühendislik Fakültesi, Harita Mühendisliği Bölümü, 2009 - Continues

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

- I. **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)
- II. **The determination of the true geometrical form of Great Ephesus theater, Turkey by using field surveys**
ARSLAN O., KURT O.
SURVEY REVIEW, 2019 (Journal Indexed in SCI)
- III. **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)
- IV. **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)
- V. **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)
- VI. **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)
- VII. **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)
- VIII. **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)
- IX. **GEOMETRIC INTERPRETATION AND PRECISION ANALYSIS OF ALGEBRAIC ELLIPSE FITTING USING LEAST SQUARES METHOD**
KURT O., ARSLAN O.
ACTA GEODAETICA ET GEOPHYSICA HUNGARICA, vol.47, no.4, pp.430-440, 2012 (Journal Indexed in SCI)
- X. **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)
- XI. **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, 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 Environment and Geomatics, vol.4, 2017 (Refereed Journals of Other Institutions)
- V. **3d Object Reconstruction from a Single Image**
ARSLAN O.
International Journal of Environment and Geoinformatics, vol.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, pp.10-15, 2011 (Other Refereed National Journals)
- VII. **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)
- VIII. **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.
Selçuk 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**
ÇEPNİ 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 Kirliliği Parametrelerinin CBS ile Konumsal Analizi: Kocaeli Örneği**
AKYÜREK Ö., ARSLAN O., KARADEMİR A.
4. Coğrafi Bilgi Sistemleri Kongresi, Ankara, Turkey, 11 November 2013, pp.1-12
- VIII. **Ölü Doğumların Cbs İle Analizi Ve Yorumlanması Kocaeli İli Örneği**
ARSLAN O., ÇEPNİ M. S. , ETİLER LORDOĞLU N.
COĞRAFİ 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**

Yığınlarının 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 Images for Monitoring of Earthquake Damages

İNCE C. D. , KONAK H., ARSLAN O.

International Earthquake Symposium 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, DETERMINATION OF THE GEOMETRIC FORM OF ..., 2014 - 2015

Citations

Total Citations (WOS):26

h-index (WOS):4