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Education Information

Doctorate, Yildiz Technical University, Fen Bilimleri Enstitüsü, Jeodezi Ve Fotogrametri Mühendisliği Bölümü, Turkey
1999 - 2004

Post Graduate, Yildiz Technical University, Fen Bilimleri Enstitüsü, Jeodezi Ve Fotogrametri Mühendisliği Bölümü, Turkey
1995 - 1997

Under Graduate, Yildiz Technical University, İnşaat Fakültesi, Jeodezi Ve Fotogrametri Mühendisliği Bölümü, Turkey 1991
- 1995

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, GPS ile İyonosfer Toplam Elektron Yoğunluğu Değişimlerinin Koordinatlara Etkilerinin Araştırılması, Yildiz
Technical University, Fen Bilimleri Enstitüsü, Jeodezi Ve Fotogrametri Mühendisliği Bölümü, 2004

Post Graduate, GPS ve Atmosferik Modeller, Yildiz Technical University, Fen Bilimleri Enstitüsü, Jeodezi Ve Fotogrametri
Mühendisliği Bölümü, 1997

Research Areas

Geotechnical Engineering, Engineering and Technology

Academic Titles / Tasks

Professor, Cukurova University, Ceyhan Mühendislik Fakültesi, Harita Mühendisliği, 2019 - Continues

Associate Professor, Cukurova University, Ceyhan Mühendislik Fakültesi, Harita Mühendisliği, 2013 - 2019

Associate Professor, Yildiz Technical University, İnşaat Fakültesi, Harita Mühendisliği, 2012 - 2013

Assistant Professor, Yildiz Technical University, İnşaat Fakültesi, Jeodezi Ve Fotogrametri Mühendisliği Bölümü, 2008 -
2012

Research Assistant, Yildiz Technical University, İnşaat Fakültesi, Jeodezi Ve Fotogrametri Mühendisliği Bölümü, 1999 -
2008

PROFESSIONAL EXPERIENCE

Head of Department, Cukurova University, Ceyhan Mühendislik Fakültesi, Harita Mühendisliği, 2014 - 2021

Vice Dean, Cukurova University, Ceyhan Mühendislik Fakültesi, 2014 - 2014

Courses

Jeodezi II, Under Graduate, 2016 - 2017

Dengeleme hesabı II, Under Graduate, 2016 - 2017

Jeodezi I, Under Graduate, 2016 - 2017

Dengeleme Hesabı I, Under Graduate, 2016 - 2017

Uzaktan Algılama ve Coğrafi Bilgi Sistemlerinde Kullanılan Temel Haritacılık Kavramları, Post Graduate, 2016 - 2017

Topoğrafya, Under Graduate, 2015 - 2016

Temel Bilgi Teknolojileri, Under Graduate, 2014 - 2015

İstatistik, Under Graduate, 2012 - 2013

Mühendislik Etiği, Under Graduate, 2012 - 2013

Sayısal Analiz, Under Graduate, 2012 - 2013

Jeodezi, Under Graduate, 2012 - 2013

Hata Kuramı ve Parametre Kestirimi, Under Graduate, 2012 - 2013

Uydu Jeodezisi, Under Graduate, 2012 - 2013

Jeodezi Uygulaması, Under Graduate, 2011 - 2012

Mesleki İngilizce, Under Graduate, 2011 - 2012

Küresel Trigonometri, Under Graduate, 2011 - 2012

Temel Bilgisayar Bilimleri, Under Graduate, 2011 - 2012

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

- I. **Short-term air temperature prediction by adaptive neuro-fuzzy inference system (ANFIS) and long short-term memory (LSTM) network**
Şekertekin A., Bilgili M., Arslan N., Yildirim A., Çelebi K., Özbek A.
METEOROLOGY AND ATMOSPHERIC PHYSICS, 2021 (Journal Indexed in SCI)
- II. **Modeling Diurnal Land Surface Temperature on a Local Scale of an Arid Environment Using Artificial Neural Network (ANN) and Time Series of Landsat-8 Derived Spectral Indexes**
Şekertekin A., Arslan N., Bilgili M.
Journal of Atmospheric and Solar-Terrestrial Physics, vol.206, 2020 (Journal Indexed in SCI)
- III. **A SWOT Analysis for Offshore Wind Energy Assessment Using Remote-Sensing Potential**
Nezhad M. M. , Shaik R. U. , Heydari A., Razmjoo A., ARSLAN N., Garcia D. A.
APPLIED SCIENCES-BASEL, vol.10, no.18, 2020 (Journal Indexed in SCI)
- IV. **Application of Long Short-Term Memory neural network model for the reconstruction of MODIS Land Surface Temperature images**
ARSLAN N., ŞEKERTEKİN A.
JOURNAL OF ATMOSPHERIC AND SOLAR-TERRESTRIAL PHYSICS, vol.194, 2019 (Journal Indexed in SCI)
- V. **Application of spectral analysis to determine geothermal anomalies in the Tuzla region, NW Turkey**
ERENOĞLU R. C. , ARSLAN N., ERENOĞLU O., Arslan E.
ARABIAN JOURNAL OF GEOSCIENCES, vol.12, no.14, 2019 (Journal Indexed in SCI)
- VI. **Monitoring thermal anomaly and radiative heat flux using thermal infrared satellite imagery - A case study at Tuzla geothermal region**
ŞEKERTEKİN A., ARSLAN N.
GEOTHERMICS, vol.78, pp.243-254, 2019 (Journal Indexed in SCI)
- VII. **Accuracy Assessment of Low Cost UAV Based City Modelling for Urban Planning**
ERENOĞLU R. C. , ERENOĞLU O., ARSLAN N.

- TEHNICKI VJESNIK-TECHNICAL GAZETTE, vol.25, no.6, pp.1708-1714, 2018 (Journal Indexed in SCI)
- VIII. **Assessment of oil spills using Sentinel 1 C-band SAR and Landsat 8 multispectral sensors**
ARSLAN N.
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.190, no.11, 2018 (Journal Indexed in SCI)
- IX. **Identification of hotspots using different statistical methods in a region of manufacturing plants**
ARSLAN N.
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.190, no.9, 2018 (Journal Indexed in SCI)
- X. **Network RTK: A case study in Florida**
BERBER M., Arslan N.
MEASUREMENT, vol.46, no.8, pp.2798-2806, 2013 (Journal Indexed in SCI)
- XI. **Correlation analysis of vertical total electron content**
Arslan N.
ACTA GEOPHYSICA, vol.59, no.2, pp.377-397, 2011 (Journal Indexed in SCI)
- XII. **Monitoring of the ionosphere TEC variations during the 17th August 1999 Izmit earthquake using GPS data**
DOĞAN U., ERGINTAV S., Skone S., ARSLAN N., Oz D.
EARTH PLANETS AND SPACE, vol.63, no.12, pp.1183-1192, 2011 (Journal Indexed in SCI)
- XIII. **REAL-TIME KINEMATIC GPS FOR CADASTRAL SURVEYING**
PIRTI A., ARSLAN N., Deveci B., AYDIN Ö., ERKAYA H., HOŞBAŞ R. G.
SURVEY REVIEW, vol.41, no.314, pp.339-351, 2009 (Journal Indexed in SCI)
- XIV. **Network Calibration for Unfavorable Reference-Rover Geometry in Network-Based RTK: Ohio CORS Case Study**
Grejner-Brzezinska D. A. , Arslan N., WIELGOSZ P., Hong C.
JOURNAL OF SURVEYING ENGINEERING, vol.135, no.3, pp.90-100, 2009 (Journal Indexed in SCI)
- XV. **Identification of vertical total electron content by time series analysis**
Erdogan H., Arslan N.
DIGITAL SIGNAL PROCESSING, vol.19, no.4, pp.740-749, 2009 (Journal Indexed in SCI)
- XVI. **Effect of stochastic ionospheric delay modeling for GPS ambiguity resolution**
HONG C., Grejner-Brzezinska D. A. , KWON J. H. , Arslan N.
EARTH PLANETS AND SPACE, vol.61, no.8, 2009 (Journal Indexed in SCI)
- XVII. **The impact of temporal ionospheric gradients in Northern Europe on relative GPS positioning**
ARSLAN N., DEMİREL H. H.
JOURNAL OF ATMOSPHERIC AND SOLAR-TERRESTRIAL PHYSICS, vol.70, pp.1382-1400, 2008 (Journal Indexed in SCI)
- XVIII. **An experiment of predicting Total Electron Content (TEC) by fuzzy inference systems**
Akyılmaz O., ARSLAN N.
EARTH PLANETS AND SPACE, vol.60, no.9, pp.967-972, 2008 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Atmospheric Effects on RTK Network in Florida**
BERBER M., ARSLAN N.
BOLETIM DE CIENCIAS GEODESICAS, vol.21, no.4, pp.814-831, 2015 (Refereed Journals of Other Institutions)

Books & Book Chapters

- I. **Network calibration for unfavorable reference-rover geometry in network-based RTK: Ohio CORS case study**
Grejner-Brzezinska D., ARSLAN N., Wielgosz P., Chang-Ki H.

in: CORS and OPUS for Engineers, Tools for Surveying and Mapping Applications (monograph), Tomas Soler, Editor, American Society Of Civil Engineers-Asce, Virginia, pp.143-153, 2011

Refereed Congress / Symposium Publications in Proceedings

- I. **Use of Thermal Infrared Remote Sensing in Geothermal Exploration**
ŞEKERTEKİN A., ARSLAN N.
Second International Congress on Geographical Education (ICGE/UCEK-2019), Eskişehir, Turkey, 3 - 05 October 2019, pp.358-0
- II. **Gemstone exploration using remote sensing method a case study of Yenice Opal, Çanakkale, NW Turkey**
ÇALIK A., ARSLAN N., ERENOĞLU R. C. , ERENOĞLU O., ULUGERGERLİ E. U.
72. Türkiye Jeoloji Kurultayı (Uluslararası Katılımlı), 28 January - 01 February 2019
- III. **Discovering the Changes in Land Surface Temperature Caused by the Conversion of Agricultural Lands to Residential and Urban Use**
ŞEKERTEKİN A., ARSLAN N.
9th International Conference on Recent Advances in Space Technologies (RAST), İstanbul, Turkey, 11 - 14 June 2019, pp.393-398
- IV. **Imaging of Spectral Properties of Dendritic Agate from Dereyalak Village (Eskişehir) – NW of Turkey using Sensor Data**
ERENOĞLU O., ÇALIK A., ERENOĞLU R. C. , ULUGERGERLİ E. U. , ARSLAN N.
International Symposium on Modern Technologies, Education and Professional Practice in Geodesy and Related Fields, 8 - 09 November 2018
- V. **Comparison of Pixel and Object-Based Classification Methods in Wetlands Using Sentinel-2 Data**
ÇİÇEKLİ S. Y. , ŞEKERTEKİN A., ARSLAN N., DÖNMEZ C.
3rd International Mediterranean Science and Engineering Congress (IMSEC 2018), Adana, Turkey, 24 - 26 October 2018, pp.298-302
- VI. **Comparison of Pixel and Object-Based Classification Methods in Wetlands Using Sentinel-2 Data**
ÇİÇEKLİ S. Y. , ŞEKERTEKİN A., ARSLAN N., DÖNMEZ C.
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- VII. **Comparison of Pixel and Object-Based Classification Methods in Wetlands Using Sentinel-2 Data**
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3rd International Mediterranean Science and Engineering Congress (IMSEC 2018), Adana, Turkey, 24 - 26 October 2018, pp.298-302
- VIII. **Index-Based Identification of Surface Water Resources Using Sentinel-2 Satellite Imagery**
ŞEKERTEKİN A., ÇİÇEKLİ S. Y. , ARSLAN N.
2nd International Symposium on Multidisciplinary Studies and Innovative Technologies, Ankara, Turkey, 19 - 21 October 2018
- IX. **ADANA SEYHAN BARAJ GÖLÜ ALANININ MEVSİMSSEL DEĞİŞİMİNİN YAPAY SİNİR AĞLARI İLE ANALİZİ**
ARSLAN N., ÇİÇEKLİ S. Y. , DÖNMEZ C., ŞEKERTEKİN A.
Uzaktan Algılama ve Coğrafi Bilgi Sistemleri Sempozyumu 2018 (UZAL-CBS 2018), Eskişehir, Turkey, 18 - 21 September 2018
- X. **GECE VE GÜNDÜZ YER YÜZEY SICAKLIĞI GÖRÜNTÜLERİ İLE YÜZEY ISI ADASI ANALİZİ**
ŞEKERTEKİN A., ÇİÇEKLİ S. Y. , ARSLAN N.
Uzaktan Algılama ve Coğrafi Bilgi Sistemleri Sempozyumu 2018 (UZAL-CBS 2018), Eskişehir, Turkey, 18 - 21 September 2018
- XI. **ADANA SEYHAN BARAJ GÖLÜ ALANININ MEVSİMSSEL DEĞİŞİMİNİN YAPAY SİNİR AĞLARI İLE ANALİZİ**
ARSLAN N., ÇİÇEKLİ S. Y. , DÖNMEZ C., ŞEKERTEKİN A.
Uzaktan Algılama ve Coğrafi Bilgi Sistemleri Sempozyumu 2018 (UZAL-CBS 2018), Eskişehir, Turkey, 18 - 21

September 2018

- XII. **ADANA SEYHAN BARAJ GÖLÜ ALANININ MEVSİMSSEL DEĞİŞİMİNİN YAPAY SİNİR AĞLARI İLE ANALİZİ**
ARSLAN N., ÇİÇEKLİ S. Y. , DÖNMEZ C., ŞEKERTEKİN A.

Uzaktan Algılama ve Coğrafi Bilgi Sistemleri Sempozyumu 2018 (UZAL-CBS 2018), Eskişehir, Turkey, 18 - 21

September 2018

- XIII. **GECE VE GÜNDÜZ YER YÜZEY SICAKLIĞI GÖRÜNTÜLERİ İLE YÜZEY ISI ADASI ANALİZİ**
ŞEKERTEKİN A., ÇİÇEKLİ S. Y. , ARSLAN N.

Uzaktan Algılama ve Coğrafi Bilgi Sistemleri Sempozyumu 2018 (UZAL-CBS 2018), Eskişehir, Turkey, 18 - 21

September 2018

- XIV. **Index-Based Identification of Surface Water Resources Using Sentinel-2 Satellite Imagery**
ŞEKERTEKİN A., ÇİÇEKLİ S. Y. , ARSLAN N.

2nd International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT), Kizilcahamam, Turkey, 19 - 21 October 2018, pp.610-614

- XV. **Validation of Bernese-Derived Precise Orbits for GRACE Satellites**

UYGUR S. Ö. , AYDIN C., ARSLAN N., AKYILMAZ O.

International Symposium on GIS Applications in Geography Geosciences, Çanakkale, Turkey, 18 - 21 October 2017, pp.235-243

- XVI. **Use of Sentinel-1 Data in Oil Spill Surveillance and Modeling**

ARSLAN N., ERENOĞLU R. C.

International Symposium on GIS Applications in Geography Geosciences, Çanakkale, Turkey, 18 - 21 October 2017, pp.233

- XVII. **Monitoring Ionospheric Disturbances at Mw 7.8 Nepal Earthquake and Predicting Magnitudes of Earthquakes Using GNSS Measurements**

İNYURT S., MEKİK Ç., YILDIRIM Ö., ARSLAN N.

International Symposium on GIS Applications in Geography Geosciences, Çanakkale, Turkey, 18 - 21 October 2017, pp.18

- XVIII. **Optimization of GNSS Network for Landslide Monitoring**

ERENOĞLU R. C. , ERENOĞLU O., ARSLAN N.

International Symposium on Modern Technologies, Education and Professional Practice in Geodesy and Related Field, SOFYA, Bulgaria, 9 - 10 November 2017

- XIX. **Modeling Regional Geoid using GNSS Observables**

ERENOĞLU R. C. , ERENOĞLU O., ARSLAN N.

International Symposium on Modern Technologies, Education and Professional Practice in Geodesy and Related Fields, SOFYA, Bulgaria, 9 - 10 November 2017

- XX. **A Novel Approach to Monitor Geodetic Landslide Deformation using Micro-UAS**

ERENOĞLU R. C. , ERENOĞLU O., ARSLAN N.

International Symposium on Modern Technologies, Education and Professional Practice in Geodesy and Related Fields, SOFYA, Bulgaria, 9 - 10 November 2017

- XXI. **Thermal Anomalies Detection Using Aster Images In Tuzla Hot Springs Region**

Erenoğlu R. C. , Arslan N., Erenoğlu O., Arslan E.

International Symposium on Modern Technologies, Education And Professional Practice In Geodesy And Related Fields, Sofya, Bulgaria, 9 - 10 November 2017, pp.1-10

- XXII. **Imaging of Spectral Properties of Opal Mineral using Sensor Data, Yenice District, North-Western Turkey**

Çalık A., Erenoğlu R. C. , Erenoğlu O., Uluggerli E., Arslan N.

International Symposium On GIS Applications In Geography & Geosciences, Çanakkale, Turkey, 18 - 21 October 2017, pp.1

- XXIII. **Monitoring of Ionospheric Disturbances at Mw 7.8 Nepal Earthquake Using GNSS Measurements**

İnyurt S., Mekik Ç., Yıldırım Ö., Arslan N.

International Symposium On GIS Applications In Geography & Geosciences, Çanakkale, Turkey, 18 - 21 October 2017, pp.1

- XXIV. **Monitoring ionospheric disturbances at Mw 7.8 Nepal Earthquake and predicting magnitudes of earthquakes using GNSS measurements**
İNYURT S., MEKİK Ç., YILDIRIM Ö., ARSLAN N.
International symposium on GIS applications in geography and geosciences, Çanakkale, Turkey, 18 - 21 October 2017
- XXV. **Automatic Outlier Identification of Epoch by Epoch Vertical Total Electron Content Maps**
ARSLAN N., Erenoğlu C.
International Symposium on Modern Technologies, Education and Professional Practice in Geodesy and Related Fields, Sofya, Bulgaria, 3 - 04 November 2011
- XXVI. **A Comparative study of the effects of severe ionospheric conditions on GPS receivers in the southern polar region**
HONG C., GREJNER-BRZEZINSKA D. A. , ARSLAN N., WILLIS M., HOTHEM L.
2nd SCAR Open Science Conference, Antarctica in the Earth System, Hobart, Australia, 12 - 14 July 2006
- XXVII. **Regional Network Calibration for Unfavorable Reference-User Geometry in Network-Based RTK**
GREJNER-BRZEZINSKA D., ARSLAN N., WIELGOSZ P., HONG C.
IEEE/ION PLANS, Coronado, Ca, United States Of America, 25 - 27 April 2006
- XXVIII. **The Ionospheric Impact on GPS Performance in Southern Polar Region**
Hong C. -, GREJNER-BRZEZINSKA D. A. , Arslan N., WILLIS M., HOTHEM L.
19th International Technical Meeting of the Satellite Division of the Institute-of-Navigation, Texas, United States Of America, 26 - 29 September 2006, pp.1418-1426
- XXIX. **Nışasta-Şeker, Tütün ve Tıbbi-Aromatik Bitkilerin Tüketim Projeksiyonları ve Üretim Hedefleri**
ARSLAN N., YILMAZ G., AKINERDEM F., ÖZGÜVEN M., KIRICI S., ARIOĞLU H., GÜMÜŞÇÜ A., TELCİ İ.
Türkiye Ziraat Mühendisliği V. Teknik Kongresi, Ankara, Turkey, 4 - 06 January 2000, vol.1, pp.453-483

Supported Projects

- ŞEKERTEKİN A., ARSLAN E., ARSLAN N., Project Supported by Higher Education Institutions, Tarihi ve Kültürel Mirasın 3 Boyutlu Dökümantasyonunda İnsansız Hava Araçlarının Kullanımı: Ceyhan Kurtkulağı Kervansarayı Örneği, 2020 - Continues
- ŞEKERTEKİN A., ARSLAN N., ÇİÇEKLİ S. Y. , Project Supported by Higher Education Institutions, Yüzey Isı Adası Etkisinin Zamansal Analizi: Ceyhan/Adana Örneği, 2018 - 2019
- ARSLAN N., ERENOĞLU R. C. , Project Supported by Higher Education Institutions, SAR uydu verileriyle denizdeki petrol sızıntılarının belirlenmesi, 2017 - 2018
- Arslan N., Other Supported Projects, Oil Spill Detection Caused by Sea Vessel Incident Using SAR Data in Cesme Bay, 2017 - 2017
- ARSLAN N., TUBITAK Project, Yakın Yer Uyduları Yardımıyla Yüksek Çözünürlüklü Gravite Alanı Belirleme ve Bölgesel Kütle Değişimlerinin İzlenmesi, 2013 - 2016
- YAŞAR A., ÖZBEK A., BİLGİLİ M., ARSLAN N., PINAR E., Project Supported by Higher Education Institutions, ÖĞRENCİ LABORATUARLARI ALT YAPI GELİŞTİRME PROJESİ II, 2015 - 2015
- ARSLAN N., TUBITAK Project, Gebze-Tuzla Arasındaki Bölgenin Mikrodeformasyon Özellikleri, 2006 - 2008

Citations

Total Citations (WOS):103

h-index (WOS):7

Scholarships

- TÜBİTAK-DFG 2225 Doktora sonrası araştırma burs programı, Dresden Teknik Üniversitesi, TUBİTAK, 2008 - 2008
- TÜBİTAK 2219 Doktora sonrası araştırma burs programı, Ohio State Üniversitesi , TUBİTAK, 2005 - 2006