

Assoc. Prof. Orkan Özcan

Personal Information

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Address: İstanbul Teknik Üniversitesi Ayazağa Kampüsü Avrasya Yer Bilimleri Enstitüsü Binası No 202 34469 Maslak İSTANBUL

Biography

2019, Assoc. Prof., ITU Eurasia Institute of Earth Sciences

2015, Researcher, ITU Eurasia Institute of Earth Sciences

2010-2014, Research Assistant, ITU Research and App. Center for Satellite Comm. and Remote Sensing

2012-2013, Research Scholar (PhD.) in Geography Dep., University of California, Santa Barbara, CA, USA

2008-2014, PhD. in Satellite Comm. and Remote Sensing Programme, Communication Systems, ITU

2005-2007, MSc. in Satellite Comm. and Remote Sensing Programme, Advanced Technologies, ITU

2000-2004, BSc. in Hydrogeological Engineering, Hacettepe University, Ankara

1989-2000, TED Ankara College

Education Information

2008 - 2014	Doctorate, İstanbul Teknik Üniversitesi, Bilişim Enstitüsü, İletişim Sistemleri Anabilim Dalı, Turkey
2012 - 2013	Doctorate, University Of California, Santa Barbara, Department Of Geography, United States Of America
2005 - 2008	Post Graduate, İstanbul Teknik Üniversitesi, Bilişim Enstitüsü, Uydu Haberleşme Uzaktan Algılama, Turkey
2000 - 2004	Under Graduate, Hacettepe Üniversitesi, Mühendislik Fakültesi, Hidrojeoloji Mühendisliği, Turkey

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

2015	İnsansız Hava Aracı Pilotluk, Other, Sivil Havacılık Genel Müdürlüğü
2010	INSAR: An Introduction to Processing and Applications for Geoscientists Short Course, Education Management and Planning, İstanbul Kültür Üniversitesi
2008	ArcGIS - 3D Analyst and Spatial Analyst, Education Management and Planning, İTÜ İnşaat Fakültesi
2007	ArcGIS - Introduction to ArcGIS I & II, Education Management and Planning, İTÜ İnşaat Fakültesi
2006	Hyperteach Training Course, Education Management and Planning, İTÜ Maden Fakültesi

Dissertations

2014	Başlıca İklim Parametrelerinin Bitki Su Tüketimine Etkilerinin Uzaktan Algılama Yöntemleri ile Araştırılması, İstanbul Teknik Üniversitesi, Bilişim Enstitüsü, İletişim Sistemleri Anabilim Dalı - Uydu Haberleşmesi Ve Uzaktan Algılama Programı, Doctorate
2007	Sakarya Nehri Alt Havzası'nın Taşkın Risk Analizinin Uzaktan Algılama ve CBS ile Belirlenmesi, İstanbul Teknik Üniversitesi, Bilişim Enstitüsü, Uydu Haberleşmesi Ve Uzaktan Algılama Programı, Post Graduate

Research Areas

Atmospheric Sciences and Meteorological Engineering, Hydrology-Hydrometeorology, Geotechnical Engineering, Geographic Information Systems, Remote sensing, Geological Engineering, Applied Geology, Engineering Geology foundations, earthquakes, dams, reservoirs, Engineering and Technology

Academic Titles / Tasks

2019 - Continues	Associate Professor, İstanbul Technical University, Avrasya Yer Bilimleri Enstitüsü
2018 - Continues	Lecturer, İstanbul Technical University, Avrasya Yer Bilimleri Enstitüsü, Katı Yer Bilimleri
2015 - 2019	Lecturer PhD, İstanbul Technical University, Avrasya Yer Bilimleri Enstitüsü, Yer Sistem Bilimi
2010 - 2014	Research Assistant, İstanbul Teknik Üniversitesi, Bilişim Enstitüsü, Uydu Haberleşmesi Ve Uzaktan Algılama Uyg-Ar Merkezi
2012 - 2013	Other, University Of California, Santa Barbara, Earth Sciences, Department Of Geology

Professional Experience

Courses

2018 - 2019	Unmanned Aerial Systems in Earth Sciences, Doctorate
2015 - 2016, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020	Earth Information Systems, Post Graduate

Advising Theses

Continues	Balık Şanlı F., Özcan O., Doctorate, S.Sami(Student), BÜYÜK MENDERES NEHRİ'NDEKİ MENDERES YAPILARIN ZAMANSAL HACİM DEĞİŞİMİNİN İHA TABANLI ANALİZİ VE EKSTREM OLAYLARIN ETKİSİ
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Jury Memberships

June 2019	Post Graduate, Post Graduate, Mimar Sinan Güzel Sanatlar Üniversitesi
June 2018	PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, İstanbul Teknik Üniversitesi

Designed Lessons

Taught Courses And Trainings

2018 - 2018

Özcan O., Akay S. S. , Kılınçoğlu Demir D. B. , İnsansız Hava Araçları ve Yer Bilimleri

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

- **Multi-temporal UAV based repeat monitoring of rivers sensitive to flood", Journal of Maps**
Özcan O., Özcan O.
Journal Of Maps, vol.1, pp.1-8, 2020 (Journal Indexed in SCI Expanded)
- **Quaternary rock uplift rates and their implications for the western flank of the North Anatolian Fault restraining bend; inferences from fluvial terrace ages**
Mcclain K., Yıldırım C., Çiner T. A. , Şahin S., Sarıkaya M. A. , Özcan O., Kıyak N. G. , Öztürk T.
TECTONICS, vol.39, pp.1-22, 2020 (Journal Indexed in SCI Expanded)
- **AT HIGH BACKGROUND RADIATION AREAS THE RELATIONSHIP BETWEEN IN SITU INDOOR GAMMA DOSE RATES AND BUILDING MATERIALS: A CASE STUDY FROM ARIKLI VILLAGE (AYVACIK/CANAKKALE/TURKEY)**
Top G., Orgun Y., Karahan G., Özcan O., Horvath M., Kampfl G.
RADIATION PROTECTION DOSIMETRY, vol.188, no.1, pp.246-260, 2020 (Journal Indexed in SCI)
- **Modeling morphodynamic processes in a meandering river with unmanned aerial vehicle-based measurements**
Akay S. S. , Özcan O., Şen Ö. L.
JOURNAL OF APPLIED REMOTE SENSING, vol.13, 2019 (Journal Indexed in SCI)
- **MTF driven adaptive multiscale bilateral filtering for pansharpening**
Kaplan N. H. , Erer I., Özcan O., Musaoğlu N.
INTERNATIONAL JOURNAL OF REMOTE SENSING, 2019 (Journal Indexed in SCI)
- **MULTITEMPORAL ANALYSIS OF COASTAL DYNAMICS BY HIGH-RESOLUTION RECONSTRUCTION OF TOPOGRAPHY USING UAVs**
Özcan O.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.28, pp.949-955, 2019 (Journal Indexed in SCI)
- **Degradation monitoring in Silvo-pastoral systems: A case study of the Mediterranean region of Turkey**
Özcan O., Aksu G. A. , Erten E., Musaoğlu N., Cetin M.
ADVANCES IN SPACE RESEARCH, vol.63, pp.160-171, 2019 (Journal Indexed in SCI)
- **EFFECT OF HYDROGEOMORPHOLOGICAL CHANGES IN FLOOD PLAIN ON BRIDGE MULTI-HAZARD PERFORMANCE**
Özcan O., Özcan O.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.28, pp.956-962, 2019 (Journal Indexed in SCI)
- **Quaternary uplift of the northern margin of the Central Anatolian Plateau: New OSL dates of fluvial and delta-terrace deposits of the Kizilirmak River, Black Sea coast, Turkey**
Berndt C., Yıldırım C., Ciner A., STRECKER M. R. , Ertunç G., Sarıkaya M. A. , Özcan O., Ozturk T., KİYAK N. G.
QUATERNARY SCIENCE REVIEWS, vol.201, pp.446-469, 2018 (Journal Indexed in SCI)
- **Total Water Storage in Small Islands Using Multi-satellite Products: The case of Cyprus**
Mercan H., Özcan O.
JOURNAL OF THE INDIAN SOCIETY OF REMOTE SENSING, vol.46, pp.1815-1821, 2018 (Journal Indexed in SCI)
- **Assessing the vulnerability of a forest ecosystem to climate change and variability in the western Mediterranean sub-region of Turkey: future evaluation**
Turkes M., Musaoğlu N., Özcan O.
JOURNAL OF FORESTRY RESEARCH, vol.29, pp.1177-1186, 2018 (Journal Indexed in SCI)

- **Assessing vulnerability of a forest ecosystem to climate change and variability in the western Mediterranean sub-region of Turkey**
Özcan O., Musaoğlu N., Turkes M.
JOURNAL OF FORESTRY RESEARCH, vol.29, pp.709-725, 2018 (Journal Indexed in SCI)
- **Impact of the Ataturk Dam Lake on Agro-Meteorological Aspects of the Southeastern Anatolia Region, Turkey**
Özcan O., Bookhagen B., Musaoğlu N.
JOURNAL OF THE INDIAN SOCIETY OF REMOTE SENSING, vol.46, pp.471-481, 2018 (Journal Indexed in SCI)
- **MULTI-HAZARD ASSESSMENT OF RC BRIDGES USING UNMANNED AERIAL VEHICLE-BASED MEASUREMENTS**
Özcan O., ÖZCAN O.
BALTIC JOURNAL OF ROAD AND BRIDGE ENGINEERING, vol.13, pp.192-208, 2018 (Journal Indexed in SCI)
- **Crop water requirement estimation of wheat cultivated fields by remote sensing and GIS**
Özcan O., Musaoğlu N., Ustundag B.
Journal of Food, Agriculture and Environment, vol.12, pp.289-293, 2014 (Journal Indexed in SCI Expanded)
- **ENVIRONMENTAL IMPACT ANALYSIS OF QUARRYING ACTIVITIES ESTABLISHED ON AND NEAR A RIVER BED BY USING REMOTELY SENSED DATA**
Ozcan O., Musaoğlu N., Şeker D. Z.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.21, pp.3147-3153, 2012 (Journal Indexed in SCI)
- **DETERMINATION OF FLOOD RISK IN SAKARYA SUB-BASIN USING REMOTELY SENSED DATA AND GIS**
Özcan O., Musaoğlu N., Şeker D. Z., Tanik A. G.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.17, pp.1964-1970, 2008 (Journal Indexed in SCI)

Articles Published in Other Journals

- **ASSESSING THE SPATIAL ACCURACY OF UAV-DERIVED PRODUCTS BASED ON VARIATION OF FLIGHT ALTITUDES**
AKAY S. S., ÖZCAN O., BALIK ŞANLI F., BAYRAM B., GÖRÜM T.
Turkish Journal of Engineering, vol.5, no.1, pp.35-40, 2021 (Refereed Journals of Other Institutions)
- **Performance Evaluation of Bridges Under Scour by UAS Based Measurements**
Özcan O.
JOURNAL OF POLYTECHNIC-POLITEKNİK DERGISI, vol.22, pp.385-391, 2019 (Journal Indexed in ESCI)
- **EKSTREM YAĞIŞ OLAYLARININ FIRAT HAVZASI'NDAKİ HİDROLOJİK BİLEŞENLERİN YILLAR ARASI DEĞİŞİMİ ÜZERİNE ETKİSİ**
Özcan O., Bookhagen B., Musaoğlu N.
EGE COĞRAFYA DERGİSİ, vol.26, pp.35-47, 2017 (National Refereed University Journal)
- **Intercomparison of Satellite Precipitation with Gauge Data Using Point Frequency Analysis**
Özcan O., Musaoğlu N.
IPSI BGD TRANSACTIONS ON INTERNET RESEARCH, vol.13, 2017 (Journal Indexed in ESCI)
- **İnsansız Hava Aracı (İHA) ile Farklı Yüksekliklerden Üretilen Sayısal Yüzey Modellerinin (SYM) Doğruluk Analizi**
ÖZCAN O.
Mühendislik ve Yer Bilimleri Dergisi, vol.2, pp.1-7, 2017 (Other Refereed National Journals)
- **Ekstrem Yağış Olaylarının Fırat Havzası'ndaki Hidrolojik Bileşenlerin Yıllar Arası Değişimine Etkilerinin Değerlendirmesi**
ÖZCAN O., BOOKHAGEN B., MUSAOĞLU N.
Ege Coğrafya Dergisi, vol.26, pp.35-46, 2017 (Other Refereed National Journals)
- **Taşkın Tespitinin Farklı Yöntemlerle Değerlendirilmesi: Ayamama Deresi Örneği**
ÖZCAN O.
Doğal Afetler ve Çevre Dergisi, vol.3, pp.9-27, 2017 (Other Refereed National Journals)

Books & Book Chapters

- **İNSANSIZ HAVA ARAÇLARI VE YER BİLİMLERİ**
ÖZCAN O., Demir D. B. , AKAY S. S.
Gece Kitaplığı Yayınevi, İstanbul, 2019
- **Vulnerability assessment to climate change and variability of the Mediterranean forest ecosystem**
Türkeş M., Musaoğlu N., Erten E., ÖZCAN O.
FAO, Rome , Rome, 2016

Refereed Congress / Symposium Publications in Proceedings

- **Coseismically Uplifted Shorelines Along the Gökova Gulf: Implications for Active Tectonics and Seismic Hazard**
YILDIRIM C., AKSOY M. E. , ÖZCAN O., Salvatore P., İŞİLER M., ÖZBEY V., SARIKAYA M. A. , Doğan T., İlkmen E.
International Symposium on Geomorphology, Ankara, Turkey, 10 - 12 October 2019
- **Differential Tectonic Activity along the Southern Flank of the Aydın Block (Menderes Massif): Inferences from Optically Stimulated Luminescence Dating of River Terraces and Alluvial Fan Deposits**
Özpolat E., YILDIRIM C., Şahiner E., ÖZCAN O.
International Symposium on Geomorphology, Ankara, Turkey, 10 - 12 October 2019
- **Coseismic (21 July 2017 Bodrum-Kos) coastal deformations along the Gulf of Gökova, SW Turkey**
YILDIRIM C., AKSOY M. E. , ÖZCAN O., Salvatore P., İŞİLER M., ÖZBEY V., ÇİNER T. A. , SARIKAYA M. A. , Doğan T., İlkmen E.
23rd Active Tectonics Research Group Meeting, İstanbul, Turkey, 15 - 18 October 2019
- **Late Pleistocene slip-rate of the Aydın Fault, Southern Menderes Massif**
Özpolat E., YILDIRIM C., GÖRÜM T., Şahiner E., ÖZCAN O.
23rd Active Tectonics Research Group Meeting, İstanbul, Turkey, 15 - 18 October 2019
- **Surface faulting history of the Knidos Fault, inferences from surface exposure dating (36Cl) and paleoseismic trenching**
YILDIRIM C., AKSOY M. E. , SARIKAYA M. A. , Şahin S., TÜYSÜZ O., GENÇ Ş. C. , Tesson J., Benedetti L., ÖZCAN O., ÇÖMERT R., et al.
23rd Active Tectonics Research Group Meeting, İstanbul, Turkey, 15 - 18 October 2019
- **Late Holocene shoreline deformations along the Gökova Bay, SW Turkey**
YILDIRIM C., AKSOY M. E. , ÖZCAN O., Salvatore P., İŞİLER M., ÖZBEY V., ÇİNER T. A. , SARIKAYA M. A. , Doğan T., İlkmen E.
20th Congress of the International Union for Quaternary Research (INQUA), Dublin, Ireland, 25 - 31 July 2019
- **Determination of the rock uplift in Central Menderes Massif (Aydın Block), Western Turkey inferences from OSL dating of fluvial terraces**
Özpolat E., YILDIRIM C., GÖRÜM T., Şahiner E., ÖZCAN O.
20th Congress of the International Union for Quaternary Research (INQUA), Dublin, Ireland, 25 - 31 July 2019
- **Late Holocene shoreline deformations 8 along the Gökova Bay, SW Turkey**
Yıldırım C., Aksoy M. E. , Özcan O., Salvatore P., İşiler M., Özbey V., Çiner T. A. , Sarıkaya M. A.
20th Congress of the International Union for Quaternary Research (INQUA), Dublin, Ireland, 25 - 31 July 2019, pp.1
- **İHA Görüntülerinden Üretilen Verilerin Doğruluk Değerlendirmesi**
AKAY S. S. , ÖZCAN O., GÖRÜM T., BAYRAM B., BALIK ŞANLI F.
TUFUAB X. Teknik Sempozyumu, Aksaray, Turkey, 25 - 27 April 2019
- **Coseismically uplifted shorelines along the Gökova Bay in SW Turkey, implications for regional seismic hazard**
YILDIRIM C., AKSOY M. E. , ÖZCAN O., Salvatore P., İŞİLER M., ÖZBEY V., ÇİNER T. A. , SARIKAYA M. A. , Doğan T., İlkmen E.
EGU General Assembly 2019, Vienna, Austria, 7 - 12 April 2019

● **Fluvial Response to Tectonic Deformation in the Western Flank of the Turkish Central Pontides Inferences From OSL-Ages**

McClain K, YILDIRIM C., ÇİNER T. A. , Şahin S., SARIKAYA M. A. , ÖZCAN O., Kıyak N. G. , ÖZTÜRK T.

72nd Geological Congress of Turkey with international participation, 28 January - 01 February 2019, pp.279

● **Gökova Körfezi Kıyılarında Kosismik ve Paleosismik Kıyı Çizgisi Yükselimleri**

Yıldırım C., Aksoy M. E. , Özcan O., Salvatore P., İşiler M., Özbey V., Çiner T. A. , Sarıkaya M. A. , Doğan T., İlkmen E.

Türkiye Jeoloji Kurultayı, Ankara, Turkey, 28 January - 01 February 2019, pp.46-47

● **Coseismic and Paleoseismic Shoreline Uplift Along the Coasts of Gökova Bay**

YILDIRIM C., AKSOY M. E. , ÖZCAN O., Salvatore P., İŞİLER M., ÖZBEY V., ÇİNER T. A. , SARIKAYA M. A. , Doğan T., İlkmen E.

72nd Geological Congress of Turkey with international participation, Ankara, Turkey, 28 January - 01 February 2019, pp.46-47

● **Monitoring Hydromorphological Changes in Meandering Rivers via Multi-Temporal UAV-Based Measurements**

ÖZCAN O., AKAY S. S.

AGU Fall Meeting 2018, Washington, United States Of America, 10 - 14 December 2018

● **Vulnerability Assessment of Bridges Exposed to Scour in a Multi-Hazard Environment by UAV Measurements**

ÖZCAN O., ÖZCAN O.

AGU Fall Meeting 2018, Washington, United States Of America, 10 - 14 December 2018

● **Modeling Morphodynamic Processes in Meandering Rivers with UAV-Based Measurements**

ÖZCAN O., AKAY S. S.

IGARSS 2018 - 2018 IEEE International Geoscience and Remote Sensing Symposium, Valencia, Spain, 22 - 27 July 2018, pp.7886-7889

● **Gökova Körfezi'ndeki Büyük Denizaltı Depremlerin Jeomorfolojik İzleri: Yükselmiş Gel-Git Çentikleri**

Yıldırım C., Aksoy M. E. , Özcan O., Salvatore P., İşiler M., Özbey V., Çiner T. A. , Sarıkaya M. A.

Aktif Tektonik Araştırma Grubu Çalıştayı, Çanakkale, Turkey, 1 - 03 November 2018, pp.19

● **GÖKOVA KÖRFEZİ'NDEKİ BÜYÜK DENİZALTI DEPREMLERİN JEOMORFOLOJİK İZLERİ: YÜKSELMİŞ GEL-GİT ÇENTİKLERİ**

YILDIRIM C., AKSOY M. E. , ÖZCAN O., Salvatore P., İŞİLER M., ÖZBEY V., ÇİNER T. A. , SARIKAYA M. A.

ATAG 22. Çalıştayı, Çanakkale, Turkey, 1 - 03 November 2018, pp.19

● **MENDERESLİ NEHİRLERDEKİ MORFODİNAMİK SÜREÇLERİN İHA ÖLÇÜMLERİ İLE DEĞERLENDİRİLMESİ**

AKAY S. S. , ÖZCAN O.

VII. UZAKTAN ALGILAMA VE CBS SEMPOZYUMU UZAL-CBS2018, Turkey, 18 - 21 September 2018, pp.523-531

● **İHA TABANLI OYULMA ÖLÇÜMLERİ İLE KÖPRÜ ÇOKLU AFET PERFORMANSININ DEĞERLENDİRİLMESİ**

ÖZCAN O., ÖZCAN O.

VII. UZAKTAN ALGILAMA VE CBS SEMPOZYUMU UZAL-CBS2018, Turkey, 18 - 21 September 2018, pp.516-522

● **QUANTIFYING FLUVIAL RESPONSE TO TECTONIC DEFORMATION AND CLIMATE IN THE CENTRAL PONTIDES, TURKEY INFERENCES FROM OSL-DATING OF FLUVIAL TERRACES (UPDATED RESULTS AND INTERPRETATIONS)**

McClain K, YILDIRIM C., ÇİNER T. A. , Şahin S., SARIKAYA M. A. , ÖZCAN O., KİYAK N. G. , ÖZTÜRK T.

TURQUA 2018, İstanbul, Turkey, 2 - 05 May 2018, pp.44

● **LATE QUATERNARY UPLIFT OF THE CENTRAL PONTIDES BY OSL DATING OF FLUVIAL AND DELTA TERRACES OF KIZILIRMAK RIVER, BLACK SEA COAST OF TURKEY**

Berndt C., YILDIRIM C., ÇİNER T. A. , Ertunç G., SARIKAYA M. A. , ÖZCAN O., ÖZTÜRK T., KİYAK N. G. , STRECKER M.

TURQUA 2018, İstanbul, Turkey, 2 - 05 May 2018, pp.71-72

● **Evaluation of Bridge Multi-Hazard Performance by Monitoring Morphodynamic Properties of River Basin via UAS**

ÖZCAN O., ÖZCAN O.

European Geosciences Union (EGU) General Assembly 2018, Viyana, Austria, 8 - 13 April 2018

● **Monitoring and Quantifying of Hydrogeomorphological changes on the Flood Plain by Unmanned Aerial Vehicles**

ÖZCAN O., ÖZCAN O.

International Symposium on GIS Applications in Geography Geosciences - ISGGG, Çanakkale, Turkey, 18 - 21 October 2017, pp.245

● **Volumetric Comparison of UAV-Based Point Clouds Generated from Various Softwares**

AKAY S. S. , ÖZCAN O.

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

● **Impacts of Present and Future Climate Variability on Forest Ecosystem in Mediterranean Region**

ÖZCAN O., MUSAOĞLU N., Türkeş M.

American Geophysical Union (AGU) Fall Meeting 2017, New Orleans, United States Of America, 11 - 15 December 2017

● **Multi-Hazard Assessment of Scour Damaged Bridges with UAS-Based Measurements**

ÖZCAN O., ÖZCAN O.

American Geophysical Union Fall Meeting 2017, New Orleans, United States Of America, 11 - 15 December 2017

● **Coastal uplift at the 21 July 2017 Kos-Bodrum earthquake area (Karaada) and tsunami observations at the eastern coasts of Gökova Bay**

AKSOY M. E. , YILDIRIM C., ÖZCAN O., SARIKAYA M. A. , ÇİNER T. A.

International Workshop on Bodrum-Kos Earthquake and Tsunami, Muğla, Turkey, 07 December 2017

● **Kuzey Anadolu Fay Zonu'nun Kargı Segmenti Üzerinde Aktif Tektonik ve Paleosismolojik Çalışmalar**

Kürçer A., Duran İ., Kayadibi Ö., Kılıç A. R. , ÖZCAN O., YILDIRIM C.

ATAG21 Aktif Tektonik Araştırma Grubu 21. Çalıştayı, Afyon, Turkey, 26 - 28 October 2017, pp.36

● **21 Temmuz 2017 Depremi sonrası Bodrum ve Karaada'da gözlenen kıyı deformasyonlarına ait ön sonuçlar**

YILDIRIM C., AKSOY M. E. , ÖZCAN O., SARIKAYA M. A. , ÇİNER T. A.

ATAG21 Aktif Tektonik Araştırma Grubu 21. Çalıştayı, Afyon, Turkey, 26 - 28 October 2017, pp.27

● **Monitoring the Changes in the Mesopotamian Marshlands during Drought Periods**

ÖZCAN O., Türkeş M., MUSAOĞLU N.

5th International Workshop on Sand and Dust Storms (Dust Sources and Their Impacts in Middle East), İstanbul, Turkey, 23 - 25 October 2017, pp.23-33

● **Effect of Hydrogeomorphological Changes in Flood Plain on Bridge Multihazard Performance**

ÖZCAN O.

19th MESAEP Symposium on Environmental and Health Inequity, Roma, Italy, 4 - 06 October 2017, pp.243

● **Consistency of UAV-Derived Point Clouds and Orthophotos Acquired at Various Altitudes**

ÖZCAN O.

19th MESAEP Symposium on Environmental and Health Inequity, Roma, Italy, 4 - 06 October 2017, pp.275

● **Multitemporal Analysis of Coastal Dynamics by High-Resolution Reconstruction of Topography Using UAVs**

ÖZCAN O.

19th MESAEP Symposium on Environmental and Health Inequity, Roma, Italy, 4 - 06 October 2017, pp.276

● **Understanding of Cyprus total water storage under climate change**

KAYAN G., Erten E., Mercan H., Özcan O.

37th Annual IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2017, Texas, United States Of America, 23 - 28 July 2017, pp.5591-5594

● **Effect of Pier Scour on Bridge Multi Hazard Performance**

ÖZCAN O., ÖZCAN O.

2nd Conference on Civil and Environmental Engineering - ICOCEE, Nevşehir, Turkey, 8 - 10 May 2017

● **Quantification of fluvial response to tectonic deformation in the Central Pontides, Turkey inferences from OSL dating of fluvial terraces**

McClain K., YILDIRIM C., ÇİNER T. A. , SARIKAYA M. A. , Şahin S., ÖZCAN O., OLĞUN KIYAK N., ÖZTÜRK T.

- EGU General Assembly 2017, Vienna, Austria, 23 - 28 April 2017
Coseismic uplift along the coasts of the Northern Cyprus
YILDIRIM C., Melnick D., TÜYSÜZ O., ÖZCAN O.
- EGU General Assembly 2017, Vienna, Austria, 23 - 28 April 2017
Timing and development of Late Quaternary fluvial terraces of the lower course of Kızılırmak River (Northern Turkey)
Berndt C., YILDIRIM C., ÇİNER T. A. , Ertunç G., SARIKAYA M. A. , ÖZCAN O., OLĞUN KIYAK N., ÖZTÜRK T.
- EGU General Assembly 2017, Vienna, Austria, 23 - 28 April 2017
Assessing the consistency of UAV-derived point clouds and images acquired at different altitudes
ÖZCAN O.
- AGU Fall Meeting, San-Francisco, Costa Rica, 12 - 16 December 2016
Quantification of Fluvial Response to Tectonic Deformation and Climate in the Central Pontides, Turkey Inferences from OSL Dating of Fluvial Terraces
ÖZCAN O., AKAY S. S.
- AGU Fall Meeting, San-Francisco, Costa Rica, 12 - 16 December 2016
OSL Dating of Fluvial Strath and Delta Terrace Levels of the Kızılırmak River: Implications for the Uplift of the Central Pontides
Berndt C., Ertunç G., YILDIRIM C., ÇİNER T. A. , SARIKAYA M. A. , ÖZTÜRK T., OLĞUN KIYAK N., ÖZCAN O.
- AGU Fall Meeting, San-Francisco, Costa Rica, 12 - 16 December 2016
Extreme Changes in Stream Geomorphic Conditions induced by Fluvial Scour in Bridges
ÖZCAN O., ÖZCAN O.
- AGU Fall Meeting, San-Francisco, Costa Rica, 12 - 16 December 2016
İHA Görüntülerinden Elde Edilen Obje Özniteliklerinin Doğruluk Değerlendirmesi
ÖZCAN O., AKAY S. S.
- 8. Ulusal Mühendislik Ölçmeleri Sempozyumu, İstanbul, Turkey, 19 - 21 October 2016
İnsansız Hava Aracı (İHA) İle Farklı Yüksekliklerden Üretilen Sayısal Yüzey Modellerinin (SYM) Doğruluk Analizi
ÖZCAN O., AKAY S. S.
- VI. UZAL-CBS Sempozyumu, Adana, Turkey, 5 - 07 October 2016, pp.25-33
Ekstrem Olayların Yukarı Fırat Havzası'ndaki Hidrolojik Bileşenlerin Yıllar Arası Değişimine Etkilerinin Değerlendirmesi
ÖZCAN O., AKAY S. S.
- VI. UZAL-CBS Sempozyumu, Adana, Turkey, 5 - 07 October 2016
Preliminary Results of the Pleistocene and Holocene Tectonic Deformations Along the Northern Cyprus Coast
ÖZCAN O., AKAY S. S.
- VII. TURQUA-Quaternary Symposium of Turkey, İstanbul, Turkey, 8 - 11 May 2016, pp.164
Climatic Evaluation of Spatiotemporal Trends in Suspended Sediment Flux in the Upper Euphrates River Basin, Eastern Anatolia
ÖZCAN O., AKAY S. S.
- AGU Fall Meeting, San-Francisco, Costa Rica, 13 - 18 December 2015
Validation of Remotely-Sensed Rainfall Products and WRF-Model Outputs with Rain-Gauge Data in South-Central California
ÖZCAN O., AKAY S. S.
- AGU Fall Meeting, San-Francisco, Costa Rica, 9 - 13 December 2013
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- ISPRS Conference on Serving Society with Geoinformatics, ISPRS-SSG 2013, Antalya, Turkey, 11 - 17 November 2013, vol.40, pp.195-200
Uydu ve Yersel Yağış Verilerinin Noktasal Frekans Analizi ile Mekansal Değerlendirmesi
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- TMMOB - Coğrafi Bilgi Sistemleri Kongresi, Ankara, Turkey, 11 - 13 November 2013
Piksel (pixel-based) ve Nesne Tabanlı (object-based) Sınıflandırma Metotları Kullanarak Zeytin Dikili Alanların Tespit Edilebilme Potansiyelinin Araştırılması
 BİLGİLİ A. V. , ÇULLU M. A. , Aydoğdu M., ÖZCAN O.
- Türkiye II. Zeytin ve Zeytinyağı Kongresi, Şanlıurfa, Turkey, 2 - 06 October 2012
Impact of the Atatürk Dam Lake on Agro-Meteorological Aspects of The South-eastern Anatolia Region Using Remote Sensing and GIS Analysis
 ÖZCAN O., Bookhagen B., MUSAOĞLU N.
- 22nd ISPRS Congress, Melbourne, Australia, 25 August - 01 September 2012, pp.305-310
Investigation of Water Requirement of Wheat on Different Soil Types Using RS and GIS
 ÖZCAN O., MUSAOĞLU N., Örmeci C., ŞEKER D. Z. , KURUCU Y., ÜSTÜNDAĞ B. B.
 The International Soil Science Congress on "Land Degradation and Challenges in Sustainable Soil Management", İzmir, Turkey, 15 - 17 May 2012, vol.4, pp.301
- **Estimation of Soil Type Effects on Water Demand for Cultivated Wheat Fields Using RS and GIS**
 ÖZCAN O., MUSAOĞLU N., Örmeci C., ŞEKER D. Z. , KURUCU Y., ÜSTÜNDAĞ B. B.
 AGU Fall Meeting, San-Francisco, Costa Rica, 5 - 09 December 2011
- **Buğday Bitkisinin Farklı Ekim Bölgelerindeki Gelişim Düzeyinin Bilgi Teknolojileri ile İncelenmesi**
 ÖZCAN O., MUSAOĞLU N., Örmeci C., ŞEKER D. Z. , KURUCU Y., ÜSTÜNDAĞ B. B.
- TMMOB – Coğrafi Bilgi Sistemleri Kongresi, Antalya, Turkey, 31 October - 04 November 2011
Zeytin Dikili Alanların Uzaktan Algılama ile Tespit Edilmesi Üzerine Bir Araştırma
 ÖZCAN O., Saral A., MUSAOĞLU N.
- Türkiye VI. Ulusal Bahçe Bitkileri Kongresi, Şanlıurfa, Turkey, 4 - 08 October 2011
Environmental Impact Analysis Of Quarrying Activities Established on and Near River Bed By Using Remotely Sensed Data
 ÖZCAN O., Saral A., MUSAOĞLU N.
 16th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region, Ioannina, Greece, 24 - 27 September 2011
- **Hidrolojik Modellemenin Bilgi Difüzyon Teorisi Kullanılarak Uzaktan Algılama ve CBS ile Değerlendirilmesi**
 ÖZCAN O., Saral A., MUSAOĞLU N.
- TUFUAB VI. Teknik Sempozyumu, Antalya, Turkey, 21 - 25 February 2011
Vulnerability Analysis of Floods in Urban Areas Using Remote Sensing and GIS
 ÖZCAN O., Saral A., MUSAOĞLU N.
- 30th EARSEL Symposium, Paris, France, 31 May - 03 June 2010, pp.119
Flood Risk Analysis Using Information Diffusion Theory – A Case Study: Ayamama Creek
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- 30th EARSEL Symposium, Paris, France, 31 May - 03 June 2010
Determining and Management of Flood Risk Using GIS and Remotely Sensed Data Sakarya Sub Basin Case Study
 ÖZCAN O., Saral A., MUSAOĞLU N.
- TIEMS 16th Annual Conference, İstanbul, Turkey, 9 - 11 July 2009, pp.111-121
Establishment of a GIS Based Disaster Information and Meteorological Early Warning Systems in Rize Province of Turkey
 Mentеше E. Y. , Erturaç K., ÖZCAN O.
- TIEMS 16th Annual Conference, İstanbul, Turkey, 9 - 11 July 2009, pp.1-8
Rize İli Geneline Heyelan Tehlikesi Altında Bulunan Bölgelerin Kullanım Türlerinin Belirlenmesi
 ÖZCAN O., MUSAOĞLU N., ŞEKER D. Z.
- 12. Türkiye Harita Bilimsel ve Teknik Kurultayı, Ankara, Turkey, 11 - 15 May 2009
Taşkın Alanlarının CBS ve Uzaktan Algılama Yardımıyla Belirlenmesi Ve Risk Yönetimi Sakarya Havzası Örneği
 ÖZCAN O., MUSAOĞLU N., ŞEKER D. Z.

- 12. Türkiye Harita Bilimsel ve Teknik Kurultayı, Ankara, Turkey, 11 - 15 May 2009
Using Digital Elevation Models for Environmental Studies
ÖZCAN O., MUSAOĞLU N., ŞEKER D. Z.
- Third Ain Shams International Conference on Environmental Engineering, Cairo, Egypt, 14 - 16 April 2009
Taşkın Risk Analizinde Hidrolojik Modelleme ve Çok Kriterli Karar Verme Yöntemi
ÖZCAN O., MUSAOĞLU N.
- TUFUAB V. Teknik Sempozyumu, Ankara, Turkey, 4 - 06 February 2009
Flood Risk and its impacts on the environment - a case study from Turkey
ÖZCAN O., MUSAOĞLU N., ŞEKER D. Z. , TANIK A. G.
- 21st ISPRS Congress, Beijing, China, 3 - 11 July 2008
Evaluation and Monitoring of Spatial Changes in Sakarya Sub basin Using Remotely Sensed Data
ÖZCAN O., MUSAOĞLU N., ŞEKER D. Z. , TANIK A. G.
- 14th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region, 10 - 14 October 2007

Other Publications

- **Optimizing the Production of Goods and Services by Mediterranean Woodland Ecosystems in the Context of Global Changes (Component 4), FFEM Project Report**
Musaoğlu N., Erten E., Bozbay A. A. , Çetin M., ÖZCAN O.
Technical Report, pp.1-114, 2014

Supported Projects

2020 - 2023	Batı Marmara (Gelibolu Yarımadası-Gökçeada) Kıyılarında Deniz Seviyesi Değişimlerinin Kayıtları İle Bunların Zamansal, Mekânsal Dağılımları Ve Bölgenin Neotektoniği Açısından İncelenmesi, TUBITAK Project
2018 - 2020	Dış Ortam Koşullarında Radar Hedef Görüntüleme ve Kimliklendirme, Project Supported by Higher Education Institutions
2018 - 2020	Oyulma Etkisindeki Köprülerin Çoklu Afet Performansının Belirlenmesi, Project Supported by Higher Education Institutions
2017 - 2020	Topoğrafyanın Artzamanlı İzlenmesi ve Modellenmesinde Yeni Teknikler Büyük Menderes Nehrindeki menderes yapıların hacimsel değişiminin İHA tabanlı modellenmesi ve ekstrem olayların etkisi, Project Supported by Higher Education Institutions
2018 - 2019	Gökova Körfezi Kıyılarında Holosen Kıyı Çizgisi Değişimleri: Kosismik Ve Paleosismik Deformasyonlarla İlgili Çıkarımlar, TUBITAK Project
2018 - 2019	İnsansız Hava Aracı Tabanlı Ölçüm Yöntemleri İle Oyulma Etkisindeki Köprülerin Çoklu Afet Performansının Belirlenmesi, Project Supported by Higher Education Institutions
2017 - 2019	Çorum Delice Vadisi Arkeoloji Jeoarkeoloji ve Tarih Öncesi Madencilik Projesi, Project Supported by Higher Education Institutions
2017 - 2019	Seyhan, Ceyhan ve Asi Havzaları Kuraklık Yönetim Planı Hazırlanması Projesi, Project Supported by Other Private Institutions
2016 - 2018	Assessing the consistency of UAV-derived point clouds and images acquired at different altitudes, Project Supported by Higher Education Institutions
2015 - 2018	CLIMATIC EVALUATION OF SPATIOTEMPORAL TRENDS IN SUSPENDED SEDIMENT FLUX IN THE UPPER EUPHRATES RIVER BASIN, EASTERN ANATOLIA, Project Supported by Higher Education Institutions
2014 - 2016	Optimizing the Production of Goods and Services by Mediterranean Woodland Ecosystems in the Context of Global Change: What Kind of REDD+ for Mediterranean Forests?, Other Supported Projects

2012 - 2013	Impact of Climate Change on Crop Growth and Soil Erosion in Using Advanced Remote Sensing and GIS Analysis, TUBITAK Project
2009 - 2011	Tarımsal İzleme ve Bilgi Sistemi Projesi (TARBİL), CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi
2009 - 2010	6. Coğrafi Bilgi Sistemi ve Uzaktan Algılama Teknikleri ile Erzurum Kırkgöze Havzasında Kar-Erime Akış Modelinin Araştırılması Projesi, TUBITAK Project
2006 - 2008	Rize İl Genelinde Afet Bilgi Ve Meteorolojik Erken Uyarı Sistemi Kurulması (RABİS) Projesi, TUBITAK Project

Activities in Scientific Journals

2014 - Continues	Journal of Environmental Science and Engineering Technology, Committee Member
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Scientific Refereeing

November 2019	LAND DEGRADATION & DEVELOPMENT, SCI Journal
November 2019	Doğal Afetler ve Çevre Dergisi, Other Journals
November 2019	Project Supported by Higher Education Institutions, BAP Guided, Bartın University, Turkey
May 2019	Doğal Afetler ve Çevre Dergisi, Other Journals
December 2018	Doğal Afetler ve Çevre Dergisi, Other Journals
November 2018	DYNAMICS OF ATMOSPHERES AND OCEANS, SCI Journal
August 2018	The Third International Conference on Energy Engineering and Environmental Protection - EEEP2018, Conference Paper (Full Text)
June 2018	INTERNATIONAL JOURNAL OF REMOTE SENSING, SCI Journal
June 2018	Project Supported by Other Official Institutions, Istanbul Technical University, Turkey
May 2018	Sinop Üniversitesi Fen Bilimleri Dergisi, Other Journals
March 2018	SİÜ- 26. IEEE Sinyal İşleme ve İletişim Uygulamaları Kurultayı, Conference Paper (Full Text)
March 2018	VIII. TURQUA-Quaternary Symposium of Turkey Bildiriler Kitabı, Conference Paper (Abstract)
March 2018	SİÜ- 26. IEEE Sinyal İşleme ve İletişim Uygulamaları Kurultayı, Conference Paper (Full Text)
March 2018	VIII. TURQUA-Quaternary Symposium of Turkey Bildiriler Kitabı, Conference Paper (Abstract)
March 2018	SİÜ- 26. IEEE Sinyal İşleme ve İletişim Uygulamaları Kurultayı, Conference Paper (Full Text)
January 2018	International Journal of Remote Sensing and Remote Sensing Letters, SCI Journal
November 2017	International Journal of Remote Sensing and Remote Sensing Letters, SCI Journal
November 2017	Sinop Üniversitesi Fen Bilimleri Dergisi, National Scientific Refreed Journal
October 2017	International Journal of Remote Sensing and Remote Sensing Letters, SCI Journal
February 2016	Türkiye Kuvaterner Sempozyumu (TURQUA-2016) Bildiriler Kitabı, Conference Paper (Abstract)
December 2015	TMMOB İnşaat Mühendisleri Odası - Teknik Dergi, National Scientific Refreed Journal

Scientific Consultations

2018 - Continues	Project Consultancy, io Çevre Çözümleri Ar-Ge Ltd. Şti.
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Invited Congress and Symposium Activities

2018	AGU Fall Meeting 2018, Working Group, Washington, United States Of America
2018	VIII. TURQUA-Quaternary Symposium of Turkey, Panelists, İstanbul, Turkey
2017	AGU Fall Meeting 2017, Working Group, Louisiana, United States Of America

2017	INTERNATIONAL SYMPOSIUM ON GIS APPLICATIONS IN GEOGRAPHY & GEOSCIENCES, Attendee, Çanakkale, Turkey
2017	MESAEP -2017- 19th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region, Session Moderator, Rome, Italy
2017	MESAEP -2017- 19th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region, Attendee, Roma, Italy
2017	V. INTERNATIONAL WORKSHOP ON SAND AND DUST STORMS (DUST SOURCES AND THEIR IMPACTS IN THE MIDDLE EAST), Attendee, İstanbul, Turkey
2017	V. INTERNATIONAL WORKSHOP ON SAND AND DUST STORMS (DUST SOURCES AND THEIR IMPACTS IN THE MIDDLE EAST), Invited Speaker, İstanbul, Turkey
2017	2nd Conference on Civil and Environmental Engineering - ICOCEE, Attendee, Nevşehir, Turkey
2016	AGU Fall Meeting 2016, Attendee, California, United States Of America
2016	VI. UZAL-CBS Sempozyumu, Attendee, Adana, Turkey
2016	VII. TURQUA-Quaternary Symposium of Turkey, Session Moderator, İstanbul, Turkey
2016	VII. Quaternary Symposium of Turkey, Attendee, İstanbul, Turkey
2015	AGU Fall Meeting 2015, Attendee, California, United States Of America
2013	AGU Fall Meeting 2013, Attendee, California, United States Of America
2013	ISPRS Conference on "Serving Society with Geoinformatics" ISPRS2013-SSG, Attendee, Antalya, Turkey
2013	TMMOB – Coğrafi Bilgi Sistemleri Kongresi, Attendee, Ankara, Turkey
2012	Astrium DRS (Direct Receiving Station) Meeting, Attendee, California, United States Of America
2012	The XXII Congress of the International Society for Photogrammetry and Remote Sensing, Attendee, Melbourne, Australia
2012	8th International Soil Science Congress on "Land Degradation and Challenges in Sustainable Soil Management, Attendee, İzmir, Turkey
2011	AGU Fall Meeting 2011, Attendee, California, United States Of America
2011	TMMOB – Coğrafi Bilgi Sistemleri Kongresi, Attendee, Turkey
2011	TUFUAB VI. Teknik Sempozyumu, Attendee, Antalya, Turkey
2010	Astrium DRS (Direct Receiving Station) Meeting, Attendee, İstanbul, Turkey
2010	30th EARSEL Symposium, Attendee, Paris, France
2009	İSTABİS – İstanbul Afet Yönetim Bilgi Sistemi Çalıştayı, Attendee, İstanbul, Turkey
2009	TIEMS 16th Annual Conference, Attendee, Turkey
2009	Türkiye Harita Bilimsel ve Teknik Kurultayı, Attendee, Turkey
2009	TUFUAB V. Teknik Sempozyumu, Attendee, Ankara, Turkey
2007	HAZTURK - International Symposium on Earthquake Loss Estimation for Turkey, Attendee, İstanbul, Turkey
2006	UZAL - CBS Sempozyumu, Attendee, İstanbul, Turkey

Citations



Total Citations (WOS): 28

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Scholarships

2012 - Continues	TÜBİTAK- 2214 Yurt Dışı Doktora Araştırma Bursu,, TUBİTAK
2012 - Continues	2224-A - Yurt Dışı Bilimsel Etkinliklere Katılma Desteği Programı, TUBİTAK
2011 - Continues	AGU2011 Travel Grant, Other International Organizations