



ORKAN ÖZCAN

ASSOC. PROF.

Email : ozcanork@itu.edu.tr

Office Phone : [+90 533 350 4795](tel:+905333504795)

Fax Phone : [+90 533 350 4795](tel:+905333504795)

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



Scholarships

TÜBİTAK- 2214 Yurt Dışı Doktora Araştırma Bursu,, TUBITAK, 2012 - Continues

2224-A - Yurt Dışı Bilimsel Etkinliklere Katılma Desteği Programı, TUBITAK, 2012 - Continues

AGU2011 Travel Grant, Other International Organizations, 2011 - Continues

Jury Memberships

Post Graduate, Post Graduate, Mimar Sinan Güzel Sanatlar Üniversitesi, June, 2019

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, İstanbul Teknik Üniversitesi, June, 2018

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

- Coseismic (20 July 2017 Bodrum-Kos) and paleoseismic markers of coastal deformations in the Gulf of Gökova, Aegean Sea, SW Turkey**
Yıldırım C., Aksoy M. E. , Özcan O., İşiler M., Özbey V., Çiner T. A. , Salvatore P., Sarıkaya M. A. , Doğan T., İlkmen E., et al.
Tectonophysics, vol.822, 2022 (Journal Indexed in SCI Expanded)
- Multi-temporal UAV based repeat monitoring of rivers sensitive to flood**
Özcan O., Özcan O.
JOURNAL OF MAPS, vol.17, no.3, pp.163-170, 2021 (Journal Indexed in SCI)
- Late Holocene landscape evolution of a delta from the foredune ridges: Seyhan Delta, the Eastern Mediterranean, Turkey**
Özpolat E., Şahiner E., Özcan O., Demir T.
Holocene, vol.31, no.5, pp.760-777, 2021 (Journal Indexed in SCI)
- River, alluvial fan and landslide interactions in a tributary junction setting: Implications for tectonic controls on Quaternary fluvial landscape development (Central Anatolian Plateau northern margin, Turkey)**
Mcclain K. P. , Yıldırım C., Çiner T. A. , Sarıkaya M. A. , Özcan O., Görüm T., Köse O., Şahin S., Kiyak N. G. , Öztürk T.
GEOMORPHOLOGY, vol.376, 2021 (Journal Indexed in SCI)
- Observed Impacts of Climate Variability on LULC in the Mesopotamia Region**
Alzubade M., Özcan O., Musaoğlu N., Turkes M.

- CMC-COMPUTERS MATERIALS & CONTINUA, vol.67, no.2, pp.2255-2269, 2021 (Journal Indexed in SCI)
6. **Studying the Ancient Settlement of Hacilar Buyuk Hoyuk with Integrated Methods**
Ozdogru I. N. , Kucukdemirci M., Görüm T., Özcan O.
ARCHEOSCIENCES-REVUE D ARCHEOMETRIE, vol.45, no.1, pp.245-248, 2021 (Journal Indexed in SCI)
 7. **Quantification and visualization of flood-induced morphological changes in meander structures by UAV-based monitoring**
Akay S. S. , Özcan O., Balık Şanlı F.
Engineering Science and Technology, an International Journal, 2021 (Journal Indexed in SCI Expanded)
 8. **Automated UAV based multi-hazard assessment system for bridges crossing seasonal rivers**
Özcan O., Özcan O.
SMART STRUCTURES AND SYSTEMS, vol.27, no.1, pp.35-52, 2021 (Journal Indexed in SCI)
 9. **UAV-based evaluation of morphological changes induced by extreme rainfall events in meandering rivers**
Akay S. S. , Özcan O., Sanli F. B. , Görüm T., Şen Ö. L. , BAYRAM B.
PLOS ONE, vol.15, no.11, 2020 (Journal Indexed in SCI)
 10. **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., Kiyak N. G. , Öztürk T.
TECTONICS, vol.39, no.10, 2020 (Journal Indexed in SCI)
 11. **At high background radiation areas the relationship between in situ indoor gamma dose rates and building materials: A case study from arikli village (ayvacik/çanakkale/turkey)**
Top G., Orgun Y., Karahan G., Özcan O., Horvath M., Kampfl G.
Radiation Protection Dosimetry, vol.188, no.2, pp.246-260, 2020 (Journal Indexed in SCI Expanded)
 12. **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)
 13. **MTF driven adaptive multiscale bilateral filtering for pansharpening**
Kaplan N. H. , Erer I., Özcan O., Musaoğlu N.
INTERNATIONAL JOURNAL OF REMOTE SENSING, vol.40, no.16, pp.6262-6282, 2019 (Journal Indexed in SCI)
 14. **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)
 15. **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, no.1, pp.160-171, 2019 (Journal Indexed in SCI)
 16. **MULTITEMPORAL ANALYSIS OF COASTAL DYNAMICS BY HIGH-RESOLUTION RECONSTRUCTION OF TOPOGRAPHY USING UAVs**
Özcan O.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.28, no.2, pp.949-955, 2019 (Journal Indexed in SCI)
 17. **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., Kiyak N. G.
QUATERNARY SCIENCE REVIEWS, vol.201, pp.446-469, 2018 (Journal Indexed in SCI)
 18. **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, no.11, pp.1815-1821, 2018 (Journal Indexed in SCI)
 19. **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, no.5, pp.1177-1186, 2018 (Journal Indexed in SCI)

20. **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, no.3, pp.709-725, 2018 (Journal Indexed in SCI)
21. **Impact of the Atatürk 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, no.3, pp.471-481, 2018 (Journal Indexed in SCI)
22. **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, no.3, pp.192-208, 2018 (Journal Indexed in SCI)
23. **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, no.1, pp.289-293, 2014 (Journal Indexed in SCI Expanded)
24. **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, no.11, pp.3147-3153, 2012 (Journal Indexed in SCI)
25. **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

1. **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)
2. **Performance Evaluation of Bridges Under Scour by UAS Based Measurements**
Özcan O.
JOURNAL OF POLYTECHNIC-POLITEKNİK DERGISI, vol.22, no.2, pp.385-391, 2019 (Journal Indexed in ESCI)
3. **EKSTREM YAĞIŞ OLAYLARININ FIRAT HAVZASI'NDAKİ HİDROLOJİK BİLEŞENLERİN YILLAR ARASI DEĞİŞİMİ ÜZERİNE ETKİSİ**
Özcan O., Bookhagen B., Musaoğlu N.
EGE COĞRAFYA DERGİSİ, vol.26, no.1, pp.35-47, 2017 (National Refereed University Journal)
4. **Intercomparison of Satellite Precipitation with Gauge Data Using Point Frequency Analysis**
Özcan O., Musaoğlu N.
IPSI BGD TRANSACTIONS ON INTERNET RESEARCH, vol.13, no.2, 2017 (Journal Indexed in ESCI)
5. **İnsansız Hava Aracı (İHA) ile Farklı Yüksekliklerden Üretilen Sayısal Yüzey Modellerinin (SYM) Doğruluk Analizi**
ÖZCAN O.
Mühendislik ve Yer Bilimleri Dergisi, vol.2, no.1, pp.1-7, 2017 (Other Refereed National Journals)
6. **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)

7. **Taşkın Tespitinin Farklı Yöntemlerle Değerlendirilmesi: Ayamama Deresi Örneği**
ÖZCAN O.
Doğal Afetler ve Çevre Dergisi, vol.3, no.1, pp.9-27, 2017 (Other Refereed National Journals)

Books & Book Chapters

1. **Contributions of Information Technologies to Management of Forest Fires**
Musaoğlu N., Yanalak M., Güngöroğlu C., Özcan O.
in: FOREST FIRES Causes, Effects, Monitoring, Precautions and Rehabilitation Activities, Taşkın Kavzoğlu, Editor,
Tüba Basın Yayın, Ankara, pp.165-199, 2021
2. **İNSANSIZ HAVA ARAÇLARI VE YER BİLİMLERİ**
ÖZCAN O., Demir D. B. , AKAY S. S.
Gece Kitaplığı Yayınevi, İstanbul, 2019
3. **Vulnerability assessment to climate change and variability of the Mediterranean forest ecosystem**
Türkeş M., Musaoğlu N., Erten E., ÖZCAN O.
FAO, Rome , Rome, 2016

Other Publications

1. **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

Activities in Scientific Journals

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

Scientific Refereeing

TURQUA 2020, Conference Paper (Abstract), November 2020
TURQUA 2020, Conference Paper (Abstract), November 2020
TURQUA 2020, Conference Paper (Abstract), November 2020
TURQUA 2020, Conference Paper (Abstract), November 2020
ENGINEERING SCIENCE AND TECHNOLOGY-AN INTERNATIONAL JOURNAL-JESTECH, SCI Journal, November 2020
REMOTE SENSING LETTERS, SCI Journal, November 2020
JOURNAL OF GEOGRAPHY, SCI Journal, November 2020
TURQUA 2020, Conference Paper (Abstract), November 2020
TURQUA 2020, Conference Paper (Abstract), November 2020
TURQUA 2020, Conference Paper (Abstract), November 2020
Journal Of geodetic Science, Journal Indexed in ESCI, November 2020
TURQUA 2020, Conference Paper (Abstract), November 2020
Mediterranean Geoscience Reviews, Journal Indexed in ESCI, October 2020
Project Supported by Other Private Institutions, İTÜNOVA TEKNOLOJİ A.Ş., Turkey, October 2020
GEOMORPHOLOGY, SCI Journal, September 2020
INTERNATIONAL JOURNAL OF CLIMATOLOGY, SCI Journal, March 2020
DÜZCE ÜNİVERSİTESİ BİLİM VE TEKNOLOJİ DERGİSİ, National Scientific Refreed Journal, March 2020
LAND DEGRADATION & DEVELOPMENT, SCI Journal, February 2020

Project Supported by Other Private Institutions, İTÜNOVA TEKNOLOJİ A.Ş., Turkey, February 2020
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, November 2019
Doğal Afetler ve Çevre Dergisi, Other Journals, May 2019
Doğal Afetler ve Çevre Dergisi, Other Journals, December 2018
DYNAMICS OF ATMOSPHERES AND OCEANS, SCI Journal, November 2018
The Third International Conference on Energy Engineering and Environmental Protection - EEEP2018, Conference Paper (Full Text), August 2018
INTERNATIONAL JOURNAL OF REMOTE SENSING, SCI Journal, June 2018
Project Supported by Other Official Institutions, Istanbul Technical University, Turkey, June 2018
Sinop Üniversitesi Fen Bilimleri Dergisi, Other Journals, May 2018
VIII. TURQUA-Quaternary Symposium of Turkey Bildiriler Kitabı, Conference Paper (Abstract), March 2018
VIII. TURQUA-Quaternary Symposium of Turkey Bildiriler Kitabı, Conference Paper (Abstract), March 2018
SİU- 26. IEEE Sinyal İşleme ve İletişim Uygulamaları Kurultayı, Conference Paper (Full Text), March 2018
SİU- 26. IEEE Sinyal İşleme ve İletişim Uygulamaları Kurultayı, Conference Paper (Full Text), March 2018
SİU- 26. IEEE Sinyal İşleme ve İletişim Uygulamaları Kurultayı, Conference Paper (Full Text), March 2018
International Journal of Remote Sensing and Remote Sensing Letters, SCI Journal, January 2018
International Journal of Remote Sensing and Remote Sensing Letters, SCI Journal, November 2017
Sinop Üniversitesi Fen Bilimleri Dergisi, National Scientific Refreed Journal, November 2017
International Journal of Remote Sensing and Remote Sensing Letters, SCI Journal, October 2017
Türkiye Kuvaterner Sempozyumu (TURQUA-2016) Bildiriler Kitabı, Conference Paper (Abstract), February 2016
TMMOB İnşaat Mühendisleri Odası - Teknik Dergi, National Scientific Refreed Journal, December 2015

Scientific Consultations

io Çevre Çözümleri Ar-Ge Ltd. Şti., Project Consultancy, Istanbul Technical University, Avrasya Yer Bilimleri Enstitüsü, Katı Yer Bilimleri, Turkey, 2018 - Continues

Edit Congress and Symposium Activities

AGU Fall Meeting 2018, Working Group, Washington, United States Of America, 2018
VIII. TURQUA-Quaternary Symposium of Turkey, Panelists, İstanbul, Turkey, 2018
AGU Fall Meeting 2017, Working Group, Louisiana, United States Of America, 2017
INTERNATIONAL SYMPOSIUM ON GIS APPLICATIONS IN GEOGRAPHY & GEOSCIENCES, Attendee, Çanakkale, Turkey, 2017
V. INTERNATIONAL WORKSHOP ON SAND AND DUST STORMS (DUST SOURCES AND THEIR IMPACTS IN THE MIDDLE EAST), Attendee, İstanbul, Turkey, 2017
MESAEP -2017- 19th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region, Session Moderator, Rome, Italy, 2017
V. INTERNATIONAL WORKSHOP ON SAND AND DUST STORMS (DUST SOURCES AND THEIR IMPACTS IN THE MIDDLE EAST), Invited Speaker, İstanbul, Turkey, 2017
MESAEP -2017- 19th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region, Attendee, Roma, Italy, 2017
2nd Conference on Civil and Environmental Engineering - ICOCEE, Attendee, Nevşehir, Turkey, 2017
AGU Fall Meeting 2016, Attendee, California, United States Of America, 2016
VI. UZAL-CBS Sempozyumu, Attendee, Adana, Turkey, 2016
VII. Quaternary Symposium of Turkey, Attendee, İstanbul, Turkey, 2016
VII. TURQUA-Quaternary Symposium of Turkey, Session Moderator, İstanbul, Turkey, 2016

AGU Fall Meeting 2015, Attendee, California, United States Of America, 2015
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, 2013
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, 2012
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, 2011
Astrium DRS (Direct Receiving Station) Meeting, Attendee, İstanbul, Turkey, 2010
30th EARSEL Symposium, Attendee, Paris, France, 2010
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, 2009
HAZTURK - International Symposium on Earthquake Loss Estimation for Turkey, Attendee, İstanbul, Turkey, 2007
UZAL - CBS Sempozyumu, Attendee, İstanbul, Turkey, 2006

Citations

Total Citations (WOS):53

h-index (WOS):4

Invited Talks

V. INTERNATIONAL WORKSHOP ON SAND AND DUST STORMS (DUST SOURCES AND THEIR IMPACTS IN THE MIDDLE EAST), Workshop, UN Convention to Combat Desertification (UNCCD), Turkey, October 2017