

CURRICULUM VITAE



Assoc. Prof. Orkan ÖZCAN

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Education

2019 – Present

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

Apr, 2014 - 2018

Researcher in Eurasia Institute of Earth Sciences, ITU

Feb, 2010 - Mar, 2014

*Research Assistant in Computational Science and Engineering
Center for Satellite Communication and Remote Sensing, ITU*

Oct, 2012 - Oct, 2013

*Research Scholar in University of California Santa Barbara Geography Department
Project title: "IMPACT OF CLIMATE CHANGE ON CROP GROWTH AND SOIL EROSION IN
USING ADVANCED REMOTE SENSING AND GIS ANALYSIS"
Advisor: Assoc. Prof. Dr. Bodo Bookhagen*

2008 – 2014

*PhD. in Satellite Communications and Remote Sensing Programme, ITU
Thesis title: "INVESTIGATION OF EFFECTS OF MAJOR CLIMATE PARAMETERS ON CROP
WATER CONSUMPTION USING REMOTE SENSING METHODS"
Advisor: Prof. Dr. Nebiye MUSAOGLU, Co-Advisor: Prof. Dr. Cankut ORMECI*

2005 – 2007

*M.Sc. in Satellite Communications and Remote Sensing Programme, ITU
Thesis title: "EVALUATION OF FLOOD RISK ANALYSIS IN SAKARYA SUB BASIN USING REMOTE SENSING
AND GIS"
Advisor: Prof. Dr. Nebiye MUSAOGLU*

2000– 2004

B.Sc. in Hydrogeological Engineering, Hacettepe University

1989-2000

TED Ankara College

Qualifications

Computing Skills:

- MATLAB, Pix4D, Agisoft PhotoScan, QGIS, ArcGIS, ERDAS, ENVI, PCI-GEOMATICA, eCOGNITION, ER Mapper, HEC-RAS.

Modern Analytical Tools:

- ASD FieldSpec Pro and Handheld Spectroradiometer, GPS Measurement Tools

Teaching Experience

Lectures:

2015 – Present

Eurasia Institute of Earth Sciences (EIES)
Istanbul Technical University.

Earth System Science Graduate Program

Course Title: *YSB 574E - Earth Information Systems (Fall)*

YSB 660E - Unmanned Aerial Systems in Earth Sciences (Spring)

Teaching Assistant:

2010 – 2014

Center for Satellite Communications and Remote Sensing (CSCRS)
Istanbul Technical University.

- Supervised laboratory and lectures that included fundamental techniques about spectroradiometer and GPS.
- Remote sensing and GIS 3rd part software trainings.
- MATLAB trainings.

PUBLICATIONS

Books

Özcan, O., Demir, B., Akay, S., (2019). Unmanned Aerial Vehicles in Geosciences (in Turkish), Publisher: Gece Akademi, Second edition, pp. 173, ISBN: 978-605-288-755-4.

Journal Publications

1. Yildirim, C., Aksoy, M., Sarikaya, M. A., Sahin, S., Tüysüz, O., Genç, C., Doksanaltı, M., Tesson, J., Bendetti, L., **Özcan, O.,** Comert, R., Avdan, U. (2020). *Deciphering Earthquake History of the Knidos Fault Zone: Implications for Complex Fault Exhumation History and Seismic Hazard in Southwestern Turkey*, Journal of Geophysical Research Solid Earth (submitted)
2. Top, G., Örgün, Y., Karahan, G., Özcan, O., Horvath, M., Kampfl, G. (2020). *At high background radiation areas the relationship between insitu indoor gamma dose rates and building materials: A case study from Arıklı village (Ayvacık/Çanakkale/Turkey)*, Radiation Protection Dosimetry, (Accepted)
3. McClain, K., C., Yildirim, C., Çiner, A., Şahin, S., Sarikaya, M. A., **Ozcan, O.,** Kiyak, N. G., Öztürk, T., (2020). *Quaternary rock uplift rate on the western flank of the North Anatolian Fault restraining bend; inferences from fluvial terraces*, Tectonics, (in review)
4. Akay, S. S., **Ozcan, O.,** Şen, Ö. L., (2019). *Modeling morphodynamic processes in a meandering river with unmanned aerial vehicle-based measurements*, Journal of Applied Remote Sensing, 13(4), 044523, doi: 10.1117/1.JRS.13.044523.

5. Kaplan, N. H., Erer, I., **Ozcan, O.**, Musaoglu, N., (2019). *MTF Driven Adaptive Multiscale Bilateral Filtering for Pansharpening*, International Journal of Remote Sensing, 40 (16), pp. 6262-6282. DOI: 10.1080/01431161.2019.1590874.
6. **Ozcan, O.** (2019). *Multitemporal Analysis of Coastal Dynamics by High-Resolution Reconstruction of Topography Using UAVs*, Fresenius Environmental Bulletin, Vol. 28, 2, Pages: 552-558.
7. **Ozcan, O.**, Ozcan, O. (2019). *Effect of Hydrogeomorphological Changes in Flood Plain on Bridge Multihazard Performance*, Fresenius Environmental Bulletin, Vol. 28, 2, Pages: 559-565.
8. **Ozcan, O.**, Aksu, G. A., Erten, E., Musaoglu, N., Cetin, M., (2019). *Degradation monitoring in Silvo-pastoral Systems: A case study of the Mediterranean region of Turkey*, Advances in Space Research, DOI: 10.1016/j.asr.2018.09.009.
9. Berndt, C., Yildirim, C., Çiner, A., Ertunç, G., Sarikaya, M. A., **Ozcan, O.**, Öztürk, T., Kıyak, N. G., Strecker, M. (2018). *Quaternary uplift of the northern margin of the Central Anatolian Plateau: New OSL dates of fluvial and delta-terrace deposits of the Kızılırmak River, Black Sea coast, Turkey*, Quaternary Science Reviews, 201, pp. 446-469. DOI: 10.1016/j.quascirev.2018.10.029.
10. **Ozcan, O.**, Ozcan, O. (2018). *Multi-Hazard Assessment Of RC Bridges Using UAV Based Measurements*, Baltic Journal of Road & Bridge Engineering, 13 (3), pp. 192-208. DOI: 10.7250/bjrbe.2018-13.412.
11. Mercan, H., **Ozcan, O.**, (2018). *Understanding of Total Water Storage in Small Islands: The case of Cyprus*, Journal of the Indian Society of Remote Sensing, 46 (11), pp. 1815-1821. DOI: 10.1007/s12524-018-0840-9.
12. Türkeş, M., Musaoglu, N., **Ozcan, O.**, (2018). *Assessing the Vulnerability of the Düzlerçamı (Antalya) Forest Ecosystem to Climate Change and Variability in the Western Mediterranean Sub-region of Turkey: Future Evaluation*. Journal of Forestry Research, 29 (5), pp. 1177-1186. DOI: 10.1007/s11676-017-0500-x.
13. **Ozcan, O.**, Musaoglu, N., Türkeş, M., (2018). *Assessing the Vulnerability of the Forest Ecosystem to Climate Change and Variability in the Western Mediterranean Sub-region of Turkey*. Journal of Forestry Research, 29 (3), pp. 709-725. DOI: 10.1007/s11676-017-0505-5.
14. **Ozcan, O.**, Bookhagen, B., Musaoglu, N., (2018). *Impact of the Atatürk Dam Lake on Agro-Meteorological Aspects of the Southeastern Anatolia Region, Turkey*. Journal of the Indian Society of Remote Sensing, 46 (3), pp. 471-481. DOI 10.1007/s12524-017-0703-9.
15. **Ozcan, O.**, Musaoglu, N., (2017). *Intercomparison of satellite precipitation with gauge data using point frequency analysis*. IPSI BgD Transactions on Internet Research (TIR), 13 (2), 9-18.
16. **Ozcan, O.**, Musaoglu, N., Ustundag, B., (2014). *Crop Water Requirement Estimation of Wheat Cultivated Fields by Remote Sensing and GIS*. Journal of Food, Agriculture and Environment – (JFAE), Vol. 12, (1), Pages: 289-293.
17. **Ozcan, O.**, Musaoglu, N., Seker, D.Z., (2012). *Environmental Impact Analysis of Quarrying Activities Established on and Near River Bed by Using Remotely Sensed Data*, Fresenius Environmental Bulletin, Vol. 21, 11, Pages: 3147 – 3153.
18. **Ozcan, O.**, Musaoglu, N., Seker, D.Z., Tanik, A., (2008). *Determination of Flood Risk in Sakarya Sub basin using Remotely Sensed Data and GIS*, Fresenius Environmental Bulletin, Vol 17, 11b, Pages: 1964 – 1970.

19. **Özcan, O., (2019).** *Performance Evaluation of Bridges Under Scour by UAS Based Measurements.* Politeknik Dergisi, 22 (2), 385-391. DOI: 10.2339/politeknik.450288.
20. **Özcan, O.,** Bookhagen, B., Musaoglu, N., **(2017).** *Ekstrem Olayların Yukarı Fırat Havzası'ndaki Hidrolojik Bileşenlerin Yıllar Arası Değişimine Etkilerinin Değerlendirmesi.* Ege Coğrafya Dergisi, 26, 1, 35-47.
21. **Özcan, O., (2017).** *İnsansız Hava Aracı (İHA) ile Farklı Yüksekliklerden Üretilen Sayısal Yüzey Modellerinin (SYM) Doğruluk Analizi.* Mühendislik ve Yer Bilimleri Dergisi, 2, 1, 1 – 7.
22. **Özcan, O., (2017).** *Taşkın Tespitinin Farklı Yöntemlerle Değerlendirilmesi; Ayamama Deresi Örneği.* Doğal Afetler ve Çevre Dergisi, 3 (1), 9-27. DOI: 10.21324/dacd.267200.

Conference Publications (International)

1. Akay, S., **Özcan, O.,** Şanlı, F. B., Bayram, B., Görüm, T. **(2019).** *Accuracy Evaluation of UAV-Derived Products,* ISAG-International Symposium on Applied Geoinformatics, 07- 09 November 2019, Istanbul, Turkey.
2. Akay, S., **Özcan, O.,** Görüm, T., Bayram, B., Şanlı, F. B., **(2019).** *İHA Görüntülerinden Üretilen Verilerin Doğruluk Değerlendirmesi,* TUFUAB X. Teknik Sempozyumu, 25- 27 Nisan 2019, Aksaray, Türkiye.
3. **Ozcan, O., Akay, S., (2018).** *Modeling Morphodynamic Processes in Meandering Rivers with UAV-Based Measurements.* IEEE International Geoscience and Remote Sensing Symposium - IGARSS, July 22 – 27, 2018, Valencia - SPAIN.
4. **Ozcan, O.,** Türkeş, M., Musaoglu, N., **(2017).** *Monitoring the Changes in the Mesopotamian Marshlands during Drought Periods,* 5th International Workshop on Sand and Dust Storms (Dust Sources and Their Impacts in Middle East), October 23-25, Istanbul, TURKEY.
5. Kayan, G., Erten, E., Mercan, H.T., **Ozcan, O., (2017).** *Understanding of Cyprus Total Water Storage Under Climate Change.* IEEE International Geoscience and Remote Sensing Symposium - IGARSS, July 23 – 28, 2017, Fort Worth - Texas, USA.
6. **Ozcan, O.,** Bookhagen, B., Musaoglu, N., **(2013).** *Analyzing Spatiotemporal Patterns of Extreme Precipitation Events in Southeastern Anatolia.* ISPRS Conference on "Serving Society with Geoinformatics" ISPRS2013-SSG, 11 - 17 Nov., Antalya, TURKEY.
7. **Ozcan, O.,** Bookhagen B., Musaoglu N., **(2012).** *Impact of the Atatürk Dam Lake on Agro-Meteorological Aspects of The South-eastern Anatolia Region Using Remote Sensing and GIS Analysis,* 22nd ISPRS Congress, Aug 25 – Sept 1, 2012, Melbourne, Australia.
8. **Ozcan, O.,** Musaoglu, N., Ormeci, C., Seker, D. Z., Kurucu, Y., Ustundag, B., **(2012).** *Investigation of Water Requirement of Wheat on Different Soil Types Using RS and GIS.* The International Soil Science Congress on "Land Degradation and Challenges in Sustainable Soil Management" 15-17 May 2012, Cesme-Izmir-TURKEY.
9. **Ozcan, O.,** Musaoglu, N., Seker, D.Z., **(2011).** *Environmental Impact Analysis Of Quarrying Activities Established on and Near River Bed By Using Remotely Sensed Data,* 16th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region, September 24 – 27, 2011, Ioannina, Greece.
10. **Ozcan, O.,** Musaoglu, N., **(2010).** *Vulnerability Analysis of Floods in Urban Areas Using Remote Sensing and GIS,* 30th EARSEL Symposium, May 31 – June 03, 2010, Paris, France.
11. Saral, A., **Ozcan, O.,** Musaoglu, N., **(2010).** *Flood Risk Analysis Using Information Diffusion Theory – A Case Study: Ayamama Creek,* 30th EARSEL Symposium, May 31 – June 03, 2010, Paris, France.

12. **Özcan, O.**, Musaoglu, N., Seker, D.Z., (2009). *Determining and Management of Flood Risk Using GIS and Remotely Sensed Data; Sakarya Sub Basin Case Study*, TIEMS 16th Annual Conference, June 9-11, 2009, Istanbul, Turkey.
13. Mentese, E. Y., Erturac, K., **Özcan, O.**, (2009). *Establishment of a GIS Based Disaster Information and Meteorological Early Warning Systems in Rize Province of Turkey*, TIEMS 16th Annual Conference, June 9-11, 2009, Istanbul, Turkey.
14. **Özcan, O.**, Musaoglu, N., Seker, D.Z., (2009). *Using Digital Elevation Models for Environmental Studies*, Third Ain Shams International Conference on Environmental Engineering, April 14-16, 2009, Cairo, Egypt.
15. **Özcan, O.**, Musaoglu, N., Seker, D.Z., Tanik, A., (2008). *Flood Risk and its impacts on the environment - a case study from Turkey*, 21st ISPRS Congress, July 3–11, 2008, Beijing, China.
16. **Özcan, O.**, Musaoglu, N., Seker, D.Z., (2007). *Evaluation and Monitoring of Spatial Changes in Sakarya Sub basin Using Remotely Sensed Data*, 14th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region, October 10-14, 2007, Sevilla, Spain.

Conference Publications (National)

1. **Özcan, O.**, Akay, S., (2018). *Menderesli Nehirlerdeki Morfodinamik Süreçlerin İHA Ölçümleri ile Değerlendirilmesi*. VII. UZAL-CBS Sempozyumu, 18 – 21 Eylül 2018, Eskişehir.
2. **Özcan, O.**, Özcan, O., (2018). *İHA Tabanlı Oyulma Ölçümleri ile Köprü Çoklu Afet Performansının Değerlendirilmesi*. VII. UZAL-CBS Sempozyumu, 18 – 21 Eylül 2018, Eskişehir.
3. **Özcan, O.**, Bilgilioğlu, B., Akay, S.S., Musaoglu, N. (2016). *İHA Görüntülerinden Elde Edilen Obje Özniteliklerinin Doğruluk Değerlendirmesi*. 8. Ulusal Mühendislik Ölçmeleri Sempozyumu, 19 – 21 Ekim 2016, İstanbul.
4. **Özcan, O.**, Akay, S., (2016). *İnsansız Hava Aracı (İHA) İle Farklı Yüksekliklerden Üretilen Sayısal Yüzey Modellerinin (SYM) Doğruluk Analizi*. VI. UZAL-CBS Sempozyumu, 5 – 7 Ekim 2016, Adana.
5. **Özcan, O.**, Bookhagen, B., Musaoglu, N., (2016). *Ekstrem Olayların Yukarı Fırat Havzası'ndaki Hidrolojik Bileşenlerin Yıllar Arası Değişimine Etkilerinin Değerlendirmesi*. VI. UZAL-CBS Sempozyumu, 5 – 7 Ekim 2016, Adana.
6. **Özcan, O.**, Musaoglu, N., Bookhagen, B., Örmeci, C., (2013). *Uydu ve Yersel Yağış Verilerinin Noktasal Frekans Analizi ile Mekansal Değerlendirmesi*. TMMOB - Coğrafi Bilgi Sistemleri Kongresi, 11- 13 Kasım 2013, Ankara.
7. Bilgili, A. V., Ak, B. E., Çullu, M. A., Aydemir, A., Aydoğdu, M., **Özcan, O.**, Sakar, E., Acar, İ., Bilgili, A., Çini, H. K., (2012). *Piksel (pixel-based) ve Nesne Tabanlı (object-based) Sınıflandırma Metotları Kullanarak Zeytin Dikili Alanların Tespit Edilebilme Potansiyelinin Araştırılması*. Türkiye II. Zeytin ve Zeytinyağı Kongresi, 02 – 06 Ekim 2012, Şanlıurfa.
8. **Özcan, O.**, Musaoglu, N., Üstündağ, B., Kurucu, Y., Örmeci, C., (2011). *Buğday Bitkisinin Farklı Ekim Bölgelerindeki Gelişim Düzeyinin Bilgi Teknolojileri ile İncelenmesi*, TMMOB – Coğrafi Bilgi Sistemleri Kongresi, 31 Ekim – 4 Kasım 2011, Antalya.
9. Bilgili, A. V., Ak, B. E., Çullu, M. A., Aydoğdu, M., Aydemir, A., **Özcan, O.**, Bilgili, A., Acar, İ., (2011). *Zeytin Dikili Alanların Uzaktan Algılama ile Tespit Edilmesi Üzerine Bir Araştırma*, Türkiye VI. Ulusal Bahçe Bitkileri Kongresi, 04 – 08 Ekim 2011, Şanlıurfa.

10. **Özcan, O.**, Saral, A., Musaoğlu, N., (2011). *Hidrolojik Modellemenin Bilgi Difüzyon Teorisi Kullanılarak Uzaktan Algılama ve CBS ile Değerlendirilmesi*, TUFUAB VI. Teknik Sempozyumu, 21-25 Şubat 2011, Antalya.
11. **Özcan, O.**, Musaoğlu, N., Şeker, D.Z., (2009). *Taşkın Alanlarının CBS ve Uzaktan Algılama Yardımıyla Belirlenmesi Ve Risk Yönetimi; Sakarya Havzası Örneği*, 12. Türkiye Harita Bilimsel ve Teknik Kurultayı, 11 - 15 Mayıs 2009, Ankara.
12. **Menteşe, E. Y., Erturaç, K., Özcan, O., (2009).** *Rize İli Genelinde Heyelan Tehlikesi Altında Bulunan Bölgelerin Kullanım Türlerinin Belirlenmesi*, 12. Türkiye Harita Bilimsel ve Teknik Kurultayı, 11 - 15 Mayıs 2009, Ankara.
13. **Özcan, O.**, Musaoğlu, N., (2009). *Taşkın Risk Analizinde Hidrolojik Modelleme ve Çok Kriterli Karar Verme Yöntemi*, TUFUAB V. Teknik Sempozyumu, 4 - 6 Şubat 2009, Ankara.

Conference Presentations (Abstract Only)

1. Özpolat, E., Yıldırım, C., Görüm, T., Şahiner, E., **Özcan, O. (2019).** *Aydın Bloğu'nun (Menderes Masifi) Güney Yamacı Boyunca Diferansiyel Tektonik Aktivite: Akarsu Taraçaları ve Alüvyal Fanların Optik Uyarımlı Lüminesans Tarihlendirilmesinden Çıkarımlar*, Uluslararası Jeomorfoloji Sempozyumu, Ekim 10 - 12, Ankara.
2. Yıldırım, C., Aksoy, M., **Özcan, O.**, Salvatore, P., İşiler, M., Özbey, V., Çiner, A., Sarıkaya, M.A., Doğan, T., İlkmen, E. (2019). *Gökova Körfezi Kıyılarında Depremlerle Yükselmiş Kıyılar: Aktif Tektonik ve Sismik Tehlike Açısından Çıkarımlar*, Uluslararası Jeomorfoloji Sempozyumu, Ekim 10 - 12, Ankara.
3. Yıldırım, C., Aksoy, M., Sarıkaya, M. A., Şahin, S., Tüysüz, O., Genç, C., Doksanaltı, M., Tesson, J., Bendetti, L., **Özcan, O.**, Comert, R., Avdan, U. (2019). *Surface faulting history of the Knidos Fault, inferences from surface exposure dating (36Cl) and paleoseismic trenching*, ATAG 23. Çalıştayı, October 15 - 18, Istanbul, Turkey.
4. Özpolat, E., Yıldırım, C., Görüm, T., Şahiner, E., **Özcan, O. (2019).** *Late Pleistocene slip-rate of the Aydın Fault, Southern Menderes Massif*, ATAG 23. Çalıştayı, October 15 - 18, Istanbul, Turkey.
5. Yıldırım, C., Aksoy, M., **Özcan, O.**, Salvatore, P., İşiler, M., Özbey, V., Çiner, A., Sarıkaya, M.A., Doğan, T., İlkmen, E. (2019). *Coseismic (21 July 2017 Bodrum-Kos) coastal deformations along the Gulf of Gökova, SW Turkey*, ATAG 23. Çalıştayı, October 15 - 18, Istanbul, Turkey.
6. Özpolat, E., Yıldırım, C., Görüm, T., Şahiner, E., **Özcan, O. (2019).** *Determination of the rock uplift in Central Menderes Massif (Aydın Block), Western Turkey; inferences from OSL dating of fluvial terraces*, 20th Congress of the International Union for Quaternary Research (INQUA), July 25 - 31, Dublin, Ireland.
7. Yıldırım, C., Aksoy, M., **Özcan, O.**, Salvatore, P., İşiler, M., Özbey, V., Çiner, A., Sarıkaya, M.A., Doğan, T., İlkmen, E. (2019). *Late Holocene shoreline deformations along the Gökova Bay, SW Turkey*, 20th Congress of the International Union for Quaternary Research (INQUA), July 25 - 31, Dublin, Ireland.
8. Yıldırım, C., Aksoy, M., **Özcan, O.**, Salvatore, P., İşiler, M., Özbey, V., Çiner, A., Sarıkaya, M.A., Doğan, T., İlkmen, E. (2019). *Coseismically uplifted shorelines along the Gökova Bay in SW Turkey, implications for regional seismic hazard*, EGU General Assembly 2019, April 7 - 12, Vienna, Austria.
9. McClain, K. C., Yıldırım, C., Çiner, A., Şahin, S., Sarıkaya, M. A., **Ozcan, O.**, Kıyak, N. G., Öztürk, T., (2019). *Fluvial Response to Tectonic Deformation in the Western Flank of the Turkish Central*

Pontides; Inferences From OSL-Ages, 72nd Geological Congress of Turkey with international participation, 28 January – 01 February, Ankara, Turkey.

10. Yıldırım, C., Aksoy, M., **Özcan, O.**, Salvatore, P., İşiler, M., Özbey, V., Çiner, A., Sarıkaya, M.A., Doğan, T., İlkmen, E. (2019). *Coseismic and Paleoseismic Shoreline Uplift Along the Coasts of Gökova Bay*, 72nd Geological Congress of Turkey with international participation, 28 January – 01 February, Ankara, Turkey.
11. Özcan, O., **Özcan, O.** (2018). *Vulnerability Assessment of Bridges Exposed to Scour in a Multi-Hazard Environment by UAV Measurements*, AGU Fall Meeting, December 10 – 14, 2018, Washington DC., USA.
12. **Özcan, O.**, Akay, S.S. (2018). *Monitoring Hydromorphological Changes in Meandering Rivers via Multi-Temporal UAV-Based Measurements*, AGU Fall Meeting, December 10 – 14, 2018, Washington DC., USA.
13. Yıldırım, C., Aksoy, M., **Özcan, O.**, Salvatore, P., İşiler, M., Özbey, V., Çiner, A., Sarıkaya, M.A. (2018). *Gökova Körfezi'ndeki Büyük Denizaltı Depremlerin Jeomorfolojik İzleri: Yükselmiş Gel-Git Çentikleri*. ATAG 22. Çalıştayı, 1-3 Kasım 2018, Çanakkale.
14. McClain, K., Yıldırım, C., Ciner, A., Sahin, S., Sarıkaya, M. A., **Ozcan, O.**, Kiyak, N. G., Ozturk, T., (2018). *Quantifying Fluvial Response to Tectonic Deformation and Climate in the Central Pontides, Turkey; Inferences from OSL_Dating of Fluvial Terraces (Updated Results and Interpretations)*, VIII. TURQUA-Quaternary Symposium of Turkey, May 2-5, 2018, Istanbul, TURKEY.
15. Berndt, C., Yıldırım, C., Ciner, A., Ertunc, G., Sarıkaya, M.A., **Ozcan, O.** Ozturk, T., Kiyak, N., Strecker, M., (2018). *Late Quaternary Uplift of the Central pontides by OSL Dating of Fluvial and Delta Terraces of Kizilirmak River, Black Sea Coast of Turkey*, VIII. TURQUA-Quaternary Symposium of Turkey, May 2-5, 2018, Istanbul, TURKEY.
16. **Özcan, O.**, Özcan, O. (2018). *Evaluation of Bridge Multi-Hazard Performance by Monitoring Morphodynamic Properties of River Basin via UAS*, EGU General Assembly 2018, April 8 – 13, Vienna, Austria.
17. **Ozcan, O.**, Musaoglu, N., Türkeş, M. (2017). *Impacts of Present and Future Climate Variability on Forest Ecosystem in Mediterranean Region*, AGU Fall Meeting, December 11 – 15, 2017, New Orleans, Louisiana, USA.
18. Özcan, O., **Özcan, O.** (2017). *Multi-Hazard Assessment of Scour Damaged Bridges with UAS-Based Measurements*, AGU Fall Meeting, December 11 – 15, 2017, New Orleans, Louisiana, USA.
19. Aksoy, E.M., Yıldırım, C., **Özcan, O.**, Sarıkaya, M.A., Çiner, T.A., Yılmaz, Ö., Çam, M. (2017). *Coastal uplift at the 21 July 2017 Kos-Bodrum earthquake area (Karaada) and tsunami observations at the eastern coasts of Gökova Bay*, International Workshop on Bodrum-Kos Earthquake and Tsunami, Organized by Turkish Chamber of Civil Engineers (TCCE) Bodrum Branch, December 7, Bodrum, TURKEY.
20. Yıldırım, C., Aksoy, E.M., **Özcan, O.**, Sarıkaya, M.A., Çiner, T.A. (2017). *21 Temmuz 2017 Depremi sonrası Bodrum ve Karaada'da gözlenen kıyı deformasyonlarına ait ön sonuçlar*, ATAG21 Aktif Tektonik Araştırma Grubu 21. Çalıştayı, 26-28 Ekim, Afyon.
21. Kürçer, A., Duran, İ., Kayadibi, Ö., Kılıç, A.R., Yıldırım, C., **Özcan, O.**, (2017). *Kuzey Anadolu Fay Zonu'nun Kargı Segmenti Üzerinde Aktif Tektonik ve Paleosismolojik Çalışmalar*, ATAG21 Aktif Tektonik Araştırma Grubu 21. Çalıştayı, 26-28 Ekim, Afyon.

22. **Ozcan, O., Ozcan, O. (2017).** *Monitoring and Quantifying of Hydrogeomorphological changes on the Flood Plain by Unmanned Aerial Vehicles*, International Symposium on GIS Applications in Geography & Geosciences - ISGGG, October 18 – 21, 2017, Çanakkale, TURKEY.
23. Akay, S., **Ozcan, O. (2017).** *Volumetric Comparison of UAV-Based Point Clouds Generated from Various Softwares*, International Symposium on GIS Applications in Geography & Geosciences - ISGGG, October 18 – 21, 2017, Çanakkale, TURKEY.
24. **Ozcan, O., Ozcan, O. (2017).** *Effect of Hydrogeomorphological Changes in Flood Plain on Bridge Multihazard Performance*, 19th MESAEP Symposium on Environmental and Health Inequity, October 4 – 6, 2017, Rome, ITALY.
25. **Ozcan, O. (2017).** *Multitemporal Analysis of Coastal Dynamics by High-Resolution Reconstruction of Topography Using UAVs*, 19th MESAEP Symposium on Environmental and Health Inequity, October 4 – 6, 2017, Rome, ITALY.
26. **Ozcan, O. (2017).** *Consistency of UAV-Derived Point Clouds and Orthophotos Acquired at Various Altitudes*, 19th MESAEP Symposium on Environmental and Health Inequity, October 4 – 6, 2017, Rome, ITALY.
27. **Ozcan, O., Ozcan, O. (2017).** *Effect of Pier Scour on Bridge Multi Hazard Performance*, 2nd Conference on Civil and Environmental Engineering - ICOCEE, May 8 – 10, 2017, Nevsehir, TURKEY.
28. Yildirim, C., Melnick, D., Tuysuz, O., **Ozcan, O., (2017).** *Coseismic uplift along the coasts of the Northern Cyprus*, EGU General Assembly 2017, April 23 – 28, Vienna, Austria.
29. Berndt, C., Yildirim, C., Ciner, A., Ertunc, G., Sarikaya, M. A., **Ozcan, O., Kiyak, N. G., Ozturk, T., (2017).** *Timing and development of Late Quaternary fluvial terraces of the lower course of Kızılırmak River (Northern Turkey)*, EGU General Assembly 2017, April 23 – 28, Vienna, Austria.
30. McClain, K., Yildirim, C., Ciner, A., Sarikaya, M. A., Sahin, S., **Ozcan, O., Kiyak, N. G., Ozturk, T., (2017).** *Quantification of fluvial response to tectonic deformation in the Central Pontides, Turkey; inferences from OSL dating of fluvial terraces*, EGU General Assembly 2017, April 23 – 28, Vienna, Austria.
31. **Ozcan, O. (2016).** *Assessing the consistency of UAV-derived point clouds and images acquired at different altitudes*, AGU Fall Meeting, December 12 – 16, 2016, San Francisco, California, USA.
32. Ozcan, O., **Ozcan, O. (2016).** *Extreme Changes in Stream Geomorphic Conditions induced by Fluvial Scour in Bridges*, AGU Fall Meeting, December 12 – 16, 2016, San Francisco, California, USA.
33. Berndt, C., Ertunc, G., Yildirim, C., Ciner, A., Sarikaya, M.A., Ozturk, T., Kiyak, N., **Ozcan, O. (2016).** *OSL Dating of Fluvial Strath and Delta Terrace Levels of the Kızılırmak River: Implications for the Uplift of the Central Pontides*, AGU Fall Meeting, December 12 – 16, 2016, San Francisco, California, USA.
34. McClain, K., Yildirim, C., Ciner, A., Sahin, S., Sarikaya, M.A., Ozturk, T., Kiyak, N., **Ozcan, O. (2016).** *Quantification of Fluvial Response to Tectonic Deformation and Climate in the Central Pontides, Turkey; Inferences from OSL Dating of Fluvial Terraces*, AGU Fall Meeting, December 12 – 16, 2016, San Francisco, California, USA.
35. Aksoy, M. E., Yildirim, C., Ture, O., Yilmaz, O., Akkaya, G., Doksanalti, E.M., Sahin, S., **Ozcan, O., Sarikaya, M.A. (2016).** *Preliminary Results on the Paleoseismology of the Datça Knidos Fault*, VII. TURQUA-Quaternary Symposium of Turkey, May 8-11, 2016, İstanbul, TURKEY.

36. Yildirim, C., Tuysuz, O., Melnick, D., Altınbas, C.D., Ozturk, M.Z., **Ozcan, O.**, Baykara, M.O., Shen, C.C., (2016). *Preliminary Results of the Pleistocene and Holocene Tectonic Deformations Along the Northern Cyprus Coast*, VII. TURQUA-Quaternary Symposium of Turkey, May 8-11, 2016, İstanbul, TURKEY.
37. **Ozcan, O.**, Bookhagen, B., Musaoglu, N., (2015). *Climatic Evaluation of Spatiotemporal Trends in Suspended Sediment Flux in the Upper Euphrates River Basin, Eastern Anatolia*, AGU Fall Meeting, December 13 – 18, 2015, San Francisco, California, USA.
38. **Ozcan, O.**, Bookhagen, B., Jones, C., Musaoglu, N., (2013). *Validation of Remotely-Sensed Rainfall Products and WRF-Model Outputs with Rain-Gauge Data in South-Central California*, AGU Fall Meeting, December 9 – 13, 2013, San Francisco, California, USA.
39. **Ozcan, O.**, Musaoglu, N., Ormeci, C., Seker, D.Z., (2011). *Estimation of Soil Type Effects on Water Demand for Cultivated Wheat Fields Using RS and GIS*, AGU Fall Meeting, December 5 – 9, 2011, San Francisco, California, USA.

Project Reports

1. Turkes, M., Musaoglu, N., Erten, E., **Ozcan, O.** (2015). *Vulnerability assessment to climate change and variability of the Mediterranean forest ecosystem in the pilot site of Düzlerçami, Turkey (Component 1)*, FFEM Project Report, November 2015.
2. Musaoglu, N., Erten, E., Bozbay Aksu, A., Çetin, M., **Ozcan, O.** (2014). *Optimizing the Production of Goods and Services by Mediterranean Woodland Ecosystems in the Context of Global Changes (Component 4)*, FFEM Project Report, July 2014.

Projects

1. *Gökova Körfezi Kıyılarında Holosen Kıyı Çizgisi Değişimleri: Kosismik Ve Paleosismik Deformasyonlarla İlgili Çıkarımlar, TÜBİTAK-1002 No: 118Y051, 2018-2019.*
2. *İnsansız Hava Aracı Tabanlı Ölçüm Yöntemleri ile Oyulma Etkisindeki Köprülerin Çoklu Afet Performansının Belirlenmesi, İTÜ-BAP, 2018-2019.*
3. *Dış Ortam Koşullarında Radar Hedef Görüntüleme ve Kimliklendirme, İTÜ-BAP, 2018-Devam ediyor.*
4. *İTÜ Üç Boyutlu Kampüs Modeli Projesi (İTÜ3Bee): İnsansız Hava Araçları ile İstanbul Teknik Üniversitesi kampüslerinin üç boyutlu (3b) model haritalarının üretilmesi ve sanal ortamda sunulması – Ayazağa Kampüsü Örneği, İTÜ-BAP, 2017-Devam ediyor.*
5. *Oyulma Etkisindeki Köprülerin Çoklu Afet Performansının Belirlenmesi, Akdeniz Üniversitesi-BAP, 2018-Devam ediyor.*
6. *Topoğrafyanın Artzamanlı İzlenmesi ve Modellenmesinde Yeni Teknikler: Büyük Menderes Nehri'ndeki menderes yapıların hacimsel değişiminin İHA tabanlı modellenmesi ve ekstrem olayların etkisi, İTÜ-BAP, 2017-2019.*
7. *Çorum Delice Vadisi Arkeoloji Jeoarkeoloji ve Tarih Öncesi Madencilik Projesi, İTÜ-BAP, 2017-2019.*
8. *Optimizing the Production of Goods and Services by Mediterranean Woodland Ecosystems in the Context of Global Change: What Kind of REDD+ for Mediterranean Forests?, The French Global Environment Facility (FFEM) Project, 2014 - 2015.*

9. *İleri Uzaktan Algılama Teknikleri ve Coğrafi Bilgi Sistemleri Analizleri İle İklim Değişikliğinin Bitki Büyümesi Ve Toprak Erozyonu Üzerine Etkisinin Araştırılması*, Bilimsel Araştırma Projesi (BAP), 2012 – 2014.
10. *Impact of Climate Change on Crop Growth and Soil Erosion in Using Advanced Remote Sensing and GIS Analysis (PhD. Thesis Research)*, TÜBİTAK- 2214 Yurt Dışı Doktora Araştırma Bursu, 1 Ekim 2012 - 30 Eylül 2013.
11. *Tarımsal İzleme ve Bilgi Sistemi Projesi (TARBİL)*, Devlet Planlama Teşkilatı, 2010 – 2014.
12. *Optik ve Radar Verilerinden Elde Edilen Sayısal Yükseklik Modellerinin Doğruluğunun Araştırılması Projesi*, 2009- 2011.
13. *Coğrafi Bilgi Sistemi ve Uzaktan Algılama Teknikleri ile Erzurum Kırkgöze Havzasında Kar-Erime Akış Modelinin Araştırılması Projesi*, No:106Y293, 2009 – 2010.
14. *İstanbul Afet Yönetim Bilgi Sistemi Projesi – İSTABİS*, Devlet Planlama Teşkilatı-İTÜ, 2009-2010.
15. *RABİS, Rize İl Genelinde Afet Bilgi ve Meteorolojik Erken Uyarı Sistemi ile İl Merkezinde Kent Bilgi Sistemi Kurulması Projesi*, TÜBİTAK KAMU-ARGE Projesi, 2007- 2009.

International Conferences and Meetings Attended

- AGU Fall Meeting 2018, December 10 – 14, 2018, Washington DC, USA.
- VIII. Quaternary Symposium of Turkey, May 2 – 5 2018, Istanbul, TURKEY.
- AGU Fall Meeting 2017, December 11 – 15, 2017, New Orleans, USA.
- 5th International Workshop on Sand and Dust Storms (Dust Sources and Their Impacts in Middle East), October 23-25, Istanbul, TURKEY.
- 19th MESAEP Symposium on Environmental and Health Inequity, October 4 – 6, 2017, Rome, ITALY.
- International Symposium on GIS Applications in Geography & Geosciences - ISGGG, October 18 – 21, 2017, Çanakkale, TURKEY.
- 2nd Conference on Civil and Environmental Engineering – ICOCEE, May 8 – 10, 2017, Nevşehir, TURKEY.
- AGU Fall Meeting 2016, December 12 – 16, 2016, San Francisco, California, USA.
- VII. Quaternary Symposium of Turkey, May 8 – 11 2016, Istanbul, TURKEY.
- AGU Fall Meeting 2015, December 13 – 18, 2015, San Francisco, California, USA.
- AGU Fall Meeting 2013, December 9 – 13, 2013, San Francisco, California, USA.
- ISPRS Conference on “Serving Society with Geoinformatics” ISPRS2013-SSG, 11 - 17 Nov., Antalya, TURKEY.
- “Astrium DRS (Direct Receiving Station) Meeting, 5 - 9 November, 2012, Napa, California, USA.
- The XXII Congress of the International Society for Photogrammetry and Remote Sensing, 25 August – 1 September, 2012, Melbourne, AUSTRALIA.

- 8th International Soil Science Congress on “Land Degradation and Challenges in Sustainable Soil Management”, May 15 – 17, 2012, İzmir, TURKEY.
- AGU Fall Meeting 2011, December 5 – 9, 2011, San Francisco, California, USA.
- “Astrium DRS (Direct Receiving Station) Meeting, 5 - 9 November, 2010, Istanbul, TURKEY.
- 30th EARSEL Symposium, May 31 – June 03, 2010, Paris, FRANCE.
- TIEMS 16th Annual Conference, June 9-11, 2009, Istanbul, TURKEY.
- HAZTURK - International Symposium on Earthquake Loss Estimation for Turkey, September 24-26, 2007, Istanbul, TURKEY.

National Conferences and Meetings Attended

- VII. UZAL-CBS Sempozyumu, 18 – 21 Eylül 2018, Eskişehir.
- VI. UZAL-CBS Sempozyumu, 5 – 7 Ekim 2016, Adana.
- TMMOB – Coğrafi Bilgi Sistemleri Kongresi, 11 - 13 Kasım 2013, Ankara
- TMMOB – Coğrafi Bilgi Sistemleri Kongresi, 31 Ekim – 4 Kasım 2011, Antalya.
- TUFUAB VI. Teknik Sempozyumu, 21 - 25 Şubat 2011, Antalya.
- İSTABİS – İstanbul Afet Yönetim Bilgi Sistemi Çalıştayı, 29 Eylül 2009, İstanbul.
- Türkiye Harita Bilimsel ve Teknik Kurultayı, 11 - 15 Mayıs 2009, Ankara.
- TUFUAB V. Teknik Sempozyumu, 4 - 6 Şubat 2009, Ankara.
- UZAL Sempozyumu, 27 – 29 Kasım 2006, İstanbul.

Certified Courses

- *“Unmanned Aerial Vehicles in Geosciences”* May 2-5, 2018, Istanbul Technical University, Istanbul, Turkey.
- *“INSAR: An Introduction to Processing and Applications for Geoscientists Short Course”* September 1-3, 2010, Istanbul Culture University, Istanbul, Turkey.
- *“ArcGIS - 3D Analyst and Spatial Analyst”* March 31-April 4, 2008, Istanbul Technical University, Civil Engineering Faculty, Istanbul, Turkey.
- *“ArcGIS - Introduction to ArcGIS I & II”, March 5-9, 2007, Istanbul Technical University, Civil Engineering Faculty, Istanbul, Turkey.*
- *“Hyperteach Training Course”* December 4-8, 2006, Istanbul Technical University, Mining Faculty, Istanbul, Turkey.