



ALİ LEVENT YAĞCI

Dr. Öğretim Üyesi

Harita Mühendisliği Bölümü
Gebze Teknik Üniversitesi, Kocaeli, Türkiye 41400

alyagci@gtu.edu.tr – 📞 +90 262 605 1804

<https://sites.google.com/view/alileventyagci/cv>

<http://www.gtu.edu.tr/tr/personel/352/59302938/display.aspx>

<https://scholar.google.com.tr/citations?user=-aTODygAAAAJ&hl=en>

ÖĞRENİM BİLGİSİ

Derece	Bölüm/Program/Üniversite	Yıl
Doktora	Earth Systems and GeoInformation Science, Department of Geography and GeoInformation Science, George Mason University, Fairfax, VA, U.S.A. 22030 <i>Tez (İngilizce):</i> A Simple Model to Predict Drought through the Relationship between Normalized Difference Vegetation Index and Precipitation in Arid & Semi-Arid Climates	2009 - 2015
Yüksek Lisans	Geomatik Mühendisliği, İstanbul Teknik Üniversitesi, Maslak, İstanbul, Türkiye 34469 <i>Tez (Türkçe):</i> Afet Yönetmeliğinin, İstanbul İli İçin Türkiye Afet Bilgi Sistemi Objeleri Kataloğuna Aktarılması	2006 - 2008
Lisans	Jeodezi ve Fotogrametri Mühendisliği, İstanbul Teknik Üniversitesi, İstanbul, Türkiye 34469 <i>Bitirme Projesi (Türkçe):</i> GPS Gözlem Sürelerinin Yüksek Doğruluklu Çalışmalarda Zaman Serileri ve Hız Vektörleri Üzerine Etkisi	2001 - 2006

ARAŞTIRMA / GÖREVLER

Görevi	Görev Yeri	Yıl
Dr. Öğr. Üyesi	Gebze Teknik Üniversitesi, Harita Mühendisliği Bölümü, Ölçme Tekniği A.B.D., Gebze, Kocaeli, Türkiye 41400	2019 -
Dr. Araş. Gör.	İzmir Katip Çelebi Üniversitesi, Harita Mühendisliği Bölümü, Uzaktan Algılama A.B.D., Çiğli, İzmir, Türkiye 35620	2018 - 2019
Yedek Subay	Milli Savunma Bakanlığı, Harita Genel Müdürlüğü, Cebeci, Ankara, Türkiye 06590	2017 - 2018
Doktora Sonrası Araştırmacı	NASA Goddard Space Flight Center (GSFC), Hydrological Sciences Laboratory (617), Greenbelt, MD, USA 20771	2015 - 2017
Araştırmacı	U.S. Geological Survey, Eastern Geographic Science Center (EGSC), Reston, VA, U.S.A. 20192	2012 - 2014
Araştırmacı	Center for Spatial Information Science and Systems, George Mason University, Fairfax, VA, U.S.A. 22030	2010 - 2012

Araştırmacı Geomatik Mühendisliği Bölümü, İstanbul Teknik Üniversitesi, Maslak, İstanbul, Türkiye 34469 2006 - 2008

PROJELER

Görevi	Proje İsmi	Destek	Yıl
Yürütücü	A Satellite-based Evapotranspiration Retrieval over Local-to-Global Scales in Support of Land Surface, Hydrological, Mesoscale, and Global Climate Models	NASA	2015 - 2017
Araştırmacı	The Apalachicola-Chattahoochee-Flint WaterSMART Pilot: Geoinformatics for Improved Water and Habitat Resource Management	USGS	2012 - 2014
Araştırmacı	Global Agricultural Drought Monitoring and Forecasting System (GADMFS)	NASA/ NOAA	2010 - 2012
Araştırmacı	Türkiye Afet Bilgi Sistemi'nin İstanbul Uygulaması (İSTABİS)	DPT	2006 - 2008

VERDİĞİ DERSLER

Ders İsmi	Dönem ve Yıl
ENS 300 - Engineering Ethics (İngilizce)	Güz 2018 - 2019
GE 421- Introduction to programming in GIS and Remote Sensing with Python (İngilizce)	Güz 2018 - 2019

ÖDÜLLER

TÜBİTAK Marie Curie Proje Ön Değerlendirme Desteği	2018
George Mason University , Spring 2015 Dissertation Completion Grant	2015
American Geophysical Union (AGU), Student Travel Grant to 2014 AGU Fall Meeting	2014
George Mason University, Graduate Student Travel Grant to IGARSS 2014	2014
IEEE Geoscience and Remote Sensing Society, Student Travel Grant to IGARSS 2014	2014
Milli Eğitim Bakanlığı Yurt Dışı Lisansüstü (Doktora) Eğitim Bursu	2008 - 2015
TÜBİTAK Yurt İçi Lisansüstü (Yüksek Lisans) Başarı Bursu	2006 - 2008

BİLİMSEL KURULUŞLARA ÜYELİKLER

American Society of Photogrammetry and Remote Sensing (ASPRS), student member	2011 -
Institute of Electrical and Electronics Engineers (IEEE), student member	2012 -
American Geophysical Union (AGU), student member	2014 -

AKADEMİK DERGİLERDE HAKEMLİK (SCI)

International Journal of Remote Sensing (ISSN: 0143-1161)
Remote Sensing Letters (ISSN: 2150-704X)
Remote Sensing (ISSN: 2072-4292)
GIScience & Remote Sensing (ISSN: 1548-1603)
IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing (ISSN: 1939-1404)
Land Degradation & Development (ISSN: 1085-3278)
Science of the Total Environment (ISSN: 0048-9697)

SCI/SSCI İNDEKSLİ AKADEMİK DERGİLERDE YAYIMLANAN MAKALELER

1. **Yagci, Ali Levent**, ve Joseph A. Santanello. 2018. "Estimating Evapotranspiration From Satellite Using Easily Obtainable Variables: A Case Study Over the Southern Great Plains, USA." *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing* 11 (1): 12–23. doi:10.1109/JSTARS.2017.2753723.
2. **Yagci, Ali Levent**, Joseph A. Santanello, John W. Jones, ve Jordan Barr. 2017. "Estimating Evaporative Fraction from Readily Obtainable Variables in Mangrove Forests of the Everglades, U.S.A." *International Journal of Remote Sensing* 38 (14): 3981–4007. doi:10.1080/01431161.2017.1312033.
3. **Yagci, Ali Levent**, Liping Di, ve Meixia Deng. 2015. "The Effect of Corn–soybean Rotation on the NDVI-Based Drought Indicators: A Case Study in Iowa, USA, Using Vegetation Condition Index." *GIScience & Remote Sensing* 52 (3): 290–314. doi:10.1080/15481603.2015.1038427.
4. Han, Weiguo, Zhengwei Yang, Liping Di, **Ali Levent Yagci**, ve Song Han. 2014. "Making Cropland Data Layer Data Accessible and Actionable in GIS Education." *Journal of Geography* 113 (3): 129–138. doi:10.1080/00221341.2013.838286.
5. **Yagci, Ali Levent**, Liping Di, ve Meixia Deng. 2013. "The Effect of Land-Cover Change on Vegetation Greenness-Based Satellite Agricultural Drought Indicators: A Case Study in the Southwest Climate Division of Indiana, USA." *International Journal of Remote Sensing* 34 (20): 6947–6968. doi:10.1080/01431161.2013.810824.
6. Deng, Meixia, Liping Di, Weiguo Han, **Ali Levent Yagci**, Chunming Peng, ve Gil Heo. 2013. "Web-Service-Based Monitoring and Analysis of Global Agricultural Drought." *Photogrammetric Engineering & Remote Sensing* 79 (10): 929–943. doi:10.14358/PERS.79.10.929.
7. Shen, Dayong, Meixia Deng, Liping Di, Weiguo Han, Chunming Peng, **Ali Levent Yagci**, Genong Yu, ve Zeqiang Chen. 2013. "Study on Generation and Sharing of On-Demand Global Seamless Data—Taking MODIS NDVI as an Example." *Computers & Geosciences* 54 (April): 66–74. doi:10.1016/j.cageo.2012.11.011.

TR DİZİN İNDEKSLİ AKADEMİK DERGİLERDE YAYIMLANAN MAKALELER

8. **Yağcı, Ali Levent**, ve Ahmet Çam. 2018. "Uzaktan Algılamada Rutin İşlemlerin Otomasyonu: Görüntülerin Sadece Veri İle İlgili Olan Kısımlarının Kesimi." *Harita Dergisi*, no. 159 (Ocak).

HAKEMLİ AKADEMİK DERGİLERDE YAYIMLANAN MAKALELER

9. Yıldız, S. Serhan, **Ali Levent Yağcı**, Ali Özkan, Hakan Yavaşoğlu, M.Ugur Altın, ve Ergin Tari. 2009. "GPS Gözlem Süresinin Yüksek Doğruluklu Çalışmalarda Zaman Serileri Ve Hız Vektörleri Üzerine Etkisi." *HKM Jeodezi, Jeoinformasyon ve Arazi Yönetimi Dergisi* 2009/3 Özel Sayı: 84–90.

KİTAP BÖLÜMÜ

10. **Yagci, Ali Levent**, Joseph A. Santanello, Matthew Rodell, Meixia Deng, ve Liping Di. 2018. "Detecting the 2012 Drought in the Southeastern United States with Moderate Resolution Imaging Spectroradiometer- and Gravity Recovery and Climate Experiment-Based Drought Indicators". İçinde *Remote Sensing of Hydro-Meteorological Hazards*, editör George P. Petropoulos ve Tanvir Islam, 1st edition, 85-101. Boca Raton, FL: CRC Press.

DAVETLİ KONUŞMACI

11. John W. Jones, ve **Ali Levent Yagci**. 2013. "The Apalachicola-Chattahoochee-Flint WaterSMART Pilot: Geoinformatics for Improved Water and Habitat Resource Management." In *Second International Conference on Agro-Geoinformatics*. Fairfax, VA USA.
12. **Yağcı, Ali Levent**. 2018. "Tarımsal Uygulamalarda Uzaktan Algılama". Çalıştay program adı: Coğrafi Bilgi

Sistemleri ve Görüntü İşleme Teknolojileri Çalıştayı, Bilkent Otel ve Konferans Merkezi, ANKARA, Eylül 27.

13. **Yağcı, Ali Levent**. 2019. "Tarımsal Uygulamalarda Uzaktan Algılama." Toplantı presented at the **Tarımsal Araştırmalar ve Politikalar Genel Müdürlüğü 2019 yılı Proje Değerlendirme Toplantıları**, Port Nature Luxury Resort Hotel, Antalya, Turkey, February 3.

BİLİMSEL ETKİNLİKLERE KATILIM

14. **Yağcı, Ali Levent**. 2018. "Uzaktan Algılama Görüntülerinden Tarımsal Kuraklığın Belirlenmesi." İçinde *Uzaktan Algılama ve Coğrafi Bilgi Sistemleri Sempozyumu (UZAL-CBS)*. Eskişehir, Turkey.
15. **Yağcı, Ali Levent**. 2018. "A Simple And Robust Method To Map Daily Evapotranspiration From Satellite Images." İçinde Türkiye Ulusal Jeodezi ve Jeofizik Birliği Bilimsel Kongresi, 42–46. İzmir / TURKEY: Harita Genel Komutanlığı.
16. **Yağcı, Ali Levent**, ve Joseph A. Santanello. 2016. "Estimating Evapotranspiration from Readily Obtainable Variables Using the Vegetation Index-Temperature Trapezoid Concept: A Case Study in Oklahoma, U.S.A." İçinde *American Geophysical Union (AGU) Fall Meeting*. San Francisco, CA, USA: AGU.
17. **Yağcı, Ali Levent**, Joseph A. Santanello, ve John W. Jones. 2016. "A Satellite-Based Evapotranspiration Retrieval over Local-to-Global Scales in Support of Land Surface, Hydrological, Mesoscale, and Global Climate Models." İçinde *96th American Meteorological Society (AMS) Annual Meeting*. New Orleans, LA, USA: AMS.
18. **Yağcı, Ali L**, Joseph A. Santanello, ve John W. Jones. 2015. "A Satellite-Based Estimation of Evapotranspiration Using Vegetation Index-Temperature Trapezoid Concept: A Case Study in Southern Florida, U.S.A.." İçinde *American Geophysical Union (AGU) Fall Meeting*. San Francisco, CA, USA: AGU.
19. **Yağcı, Ali L**, Joseph A. Santanello, ve John W. Jones. 2015. "A Satellite-Based Evapotranspiration Retrieval over Local-to-Global Scales in Support of Land Surface, Hydrological, Mesoscale, and Global Climate Models." İçinde *Earth Observation for Water Cycle Science*. Frascati, Italy: European Space Agency.
20. **Yağcı, Ali L**, ve John W. Jones. 2014. "Fully-Automated Estimation of Actual to Potential Evapotranspiration in the Everglades Using Landsat and Air Temperature Data as Inputs to the Vegetation Index-Temperature Trapezoid Method." İçinde *American Geophysical Union (AGU) Fall Meeting*. San Francisco, CA, USA: AGU.
21. **Yağcı, Ali Levent**, Liping Di, ve Meixia Deng. 2014. "The Influence of Land Cover-Related Changes on the NDVI-Based Satellite Agricultural Drought Indices." İçinde *IEEE Geoscience and Remote Sensing Symposium*, 2054–57. IEEE. doi:10.1109/IGARSS.2014.6946868.
22. Deng, Meixia, **Ali Levent Yağcı**, ve Liping Di. 2014. "On Crop Rotation in Calculating NDVI-Based Agricultural Drought Indicators." İçinde *IEEE Geoscience and Remote Sensing Symposium*, 5083–5086. IEEE. doi:10.1109/IGARSS.2014.6947640.
23. Peng, Chunming, Liping Di, Meixia Deng, Weiguo Han, ve **Ali Yağcı**. 2013. "A Comprehensive Agricultural Drought Stress Monitoring Method Integrating MODIS and Weather Data (A Case Study of Iowa)." İçinde *Second International Conference on Agro-Geoinformatics (Agro-Geoinformatics)*, 147–152. Fairfax, VA USA: IEEE. doi:10.1109/Argo-Geoinformatics.2013.6621898.
24. Han, Weiguo, Liping Di, **Ali L Yağcı**, ve Zhengwei Yang. 2013. "Exploring Continuous Corn Cropping Patterns and Their Relationship with Geographic Factors." İçinde *Second International Conference on Agro-Geoinformatics (Agro-Geoinformatics)*, 490–494. Fairfax, VA USA: IEEE. doi:10.1109/Argo-Geoinformatics.2013.6621969.
25. **Yağcı, Ali Levent**, Liping Di, Meixia Deng, Genong Yu, ve Chunming Peng. 2012. "Global Agricultural Drought Mapping: Results for the Year 2011." İçinde *IEEE International Geoscience and Remote Sensing Symposium*, 3764–3767. Munich, Germany: IEEE. doi:10.1109/IGARSS.2012.6350498.
26. Deng, Meixia, Liping Di, Genong Yu, **Ali Levent Yağcı**, Chunming Peng, Bei Zhang, ve Dayong Shen. 2012. "Building an On-Demand Web Service System for Global Agricultural Drought Monitoring and

- Forecasting.” İçinde *IEEE International Geoscience and Remote Sensing Symposium*, 958–961. Munich, Germany: IEEE. doi:10.1109/IGARSS.2012.6351392.
27. Peng, Chunming, Liping Di, Meixia Deng, ve Ali Levent Yagci. 2012. “Using Time-Series Modis Data for Agricultural Drought Analysis in Texas.” İçinde *First International Conference on Agro- Geoinformatics (Agro-Geoinformatics)*, 1–6. Shangai, China: IEEE. doi:10.1109/Agro-Geoinformatics.2012.6311632.
 28. **Yagci, Ali Levent**, Liping Di, Meixia Deng, Weiguo Han, ve Chunming Peng. 2011. “Agricultural Drought Monitoring From Space Using Freely Available MODIS Data”. İçinde 18th William T. Pecora Memorial Remote Sensing Symposium. Herndon, VA: American Society of Photogrammetry and Remote Sensing (ASPRS). <http://www.asprs.org/pecora18/proceedings/Yagci.pdf>.
 29. **Yagci, Ali Levent**, Liping Di, Meixia Deng, Weiguo Han, ve Chunming Peng. 2011. “Vegetation Index Based Technique for Global Agricultural Drought Monitoring.” İçinde *5th International Conference on Recent Advances in Space Technologies - RAST*, 137–141. Istanbul, Turkey: IEEE. doi:10.1109/RAST.2011.5966808.
 30. Deng, Meixia, Liping Di, Weiguo Han, **Ali Levent Yagci**, ve Chunming Peng. 2011. “The Development of a Web-Service-Based On-Demand Global Agriculture Drought Information System.” İçinde *American Geophysical Union (AGU) Fall Meeting*. San Francisco, CA, USA: AGU.
 31. Deng, Meixia, Liping Di, Weiguo Han, **Ali Levent Yagci**, ve Chunming Peng. 2011. “A Remote Sensing Based Global Agricultural Drought Information System (GADIS).” İçinde *The 7th International Symposium on Digital Earth*. Perth, Australia.
 32. Yıldız, S.Serhan, **Ali Yagci**, Ali Ozkan, Hakan Yavasoglu, ve M.Ugur Altin. 2009 (Turkish). “GPS Gözlem Süresinin Yüksek Doğruluklu Çalışmalarda Zaman Serileri Ve Hız Vektörleri Üzerine Etkisi (Turkish).” İçinde *12. Türkiye Harita Bilimsel Ve Teknik Kurultayı*, ed. HKMO. Ankara, Turkey.
 33. Torun, M.Koray, Nusret Korkmaz, Himmet Karaman, **Ali Yagci**, S.Serhan Yıldız, Ali Ozkan, Muhammed Sahin, ve Ergin Tari. 2006. “Design of Istanbul Disaster Information System.” İçinde *Proceedings of 16th International Symposium on Modern Tech., Education and Professional Practice in Geodesy and Related Fields*. Sofia, Bulgaria.
 34. **Yagci, Ali**, S.Serhan Yıldız, Ali Ozkan, Hakan Yavasoglu, M.Ugur Altin, M.Koray Torun, Nusret Korkmaz, Ergin Tari, ve Muhammed Sahin. 2006. “Effects of GPS Observation Duration on the Velocity Vectors and Time Series.” İçinde *Proceedings of 16th International Symposium on Modern Tech., Education and Professional Practice in Geodesy and Related Fields*. Sofia, Bulgaria.