Assoc. Prof. AHMET ÇİLEK

Personal Information

Office Phone: +90 322 338 6545 Extension: 122
Office Phone: +90 322 338 6545 Extension: 135
Fax Phone: +90 322 338 6189
Email: acilek@cu.edu.tr
Web: http://landgis.cu.edu.tr
Address: Çukurova Üniversitesi Mimarlık Fakültesi Peyzaj Mimarlığı Bölümü 01330 Balcalı-Adana

International Researcher IDs
ScholarID: U3g8hNwAAAAJ
ORCID: 0000-0002-6781-2658
Publons / Web Of Science ResearcherID: E-6191-2018
ScopusID: 53867714800
Yoksis Researcher ID: 19527

Education Information

Doctorate, Cukurova University, Fen Bilimleri, Peyzaj Mimarlığı, Turkey 2013 - 2017
Postgraduate, Cukurova University, Fen Bilimleri, Peyzaj Mimarlığı , Turkey 2010 - 2013
Undergraduate, Cukurova University, Peyzaj Mimar., Peyzaj Mimarlığı, Turkey 2005 - 2009

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

Education Management and Planning, Doktora Araştırma Bursu, ABD, USDA-ARS, College Station,Texas,, 2017
Education Management and Planning, Determination of Soil Carbon Release From Field Conditions, Cukurova University, Deparment of Soil Sciences ad Plant Nutrition, 2016
Education Management and Planning, Mapping Ecosystem Services for Landscape Planning, Mediterranean Agronomic Institute Of Zaragoza, 2016
Education Management and Planning, Elsevier Yazar Semineri, Elsevier Publishing Campus, 2015
Education Management and Planning, Uydu Yer Gözlem Uygulamaları Yaz Okulu 2014, IEEE GRSS Türkiye, 2014
Education Management and Planning, STATISTICAL ANALYSIS OF GEOSPATIAL DATA FOR ENVIRONMENTAL STUDIES, MEDITERRANEAN AGRONOMIC INSTITUTE OF ZARAGOZA, 2014
IT, Akademik Bilişim 2014, Mersin Üniversitesi, 2014
Foreign Language, İngilizce Dil Eğitimi, Orta Doğu Teknik Üniversitesi, 2013
Foreign Language, İngilizce Dil Eğitimi, St. Giles International, 2011

Dissertations

Doctorate, Aşağı Seyhan Ovası'nda Su, Toprak Kaynakları ve Biyotop Koruma Temelli Tarımsal Peyzaj Karar Destek

Sistemi, Cukurova University, Fen Bilimleri Enstitüsü, Peyzaj Mimarlığı, 2017
Postgraduate, Konumsal Bilgi Sistemleri Yardımıyla Türkiye'nin Erozyon Modellemesi, Cukurova University, Fen Bilimleri Enstitüsü, Peyzaj Mimarlığı Anabilim Dalı, 2013

Research Areas

Agricultural Sciences, Agriculture, Landscape Architecture, Landscape Planning, Geotechnical Engineering, Geographic Information Systems, Remote sensing, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Cukurova University, Fen Bilimleri Enstitüsü, Uzaktan Algılama ve Coğrafi Bilgi Sistemleri, 2021 - Continues
Assistant Professor, Cukurova University, Mimarlık Fakültesi, Peyzaj Mimarlığı, 2020 - Continues
Research Assistant PhD, Cukurova University, Peyzaj Mimar., Peyzaj Mimarlığı, 2017 - 2020
Research Assistant, Cukurova University, Peyzaj Mimar., Peyzaj Mimarlığı, 2013 - 2017

Jury Memberships

Post Graduate, Post Graduate, İnönü Üniversitesi, July, 2022
Doctoral Examination, Doctoral Examination, Van Yüzüncü Yıl Üniversitesi, June, 2022
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Çukurova Üniversitesi, January, 2021

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Climate change causes spatial shifts in the productivity of agricultural long-term field experiments**
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II. **The effects of 2-D and 3-D urban landscape metrics on mean radiant temperature in hot-arid Phoenix and Tempe, Arizona, USA**
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III. **Modelling tree canopy cover and evaluating the driving factors based on remotely sensed data and machine learning**
Akın Tanrıöver A., Çilek A., Middel A.
URBAN FORESTRY AND URBAN GREENING, vol.86, pp.128035, 2023 (SCI-Expanded)

IV. **Climate change impacts on long-term field experiments in Germany**
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V. **Evaluating the efficiency of future crop pattern modelling using the CLUE-S approach in an agricultural plain**
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VI. **The use of regression tree method for Sentinel-2 satellite data to mapping percent tree cover in different forest types**
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VII. **Implementing a Proxy-Basin Strategy to Assess the Transposability of a Hydrological Model in Geographically Similar Catchments**
DÖNMEZ C., ÇİLEK A., Paul C., BERBEROĞLU S.
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VIII. **Selection of renewable energy systems sites using the MaxEnt model in the Eastern Mediterranean region in Turkey.**
Tekin S., Guner E. D., Cilek A., Unal Cilek M.
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IX. **Computer vision-based citrus tree detection in a cultivated environment using UAV imagery**
DÖNMEZ C., Villi O., BERBEROĞLU S., ÇİLEK A.
COMPUTERS AND ELECTRONICS IN AGRICULTURE, vol.187, 2021 (SCI-Expanded)

X. **Analyses of land surface temperature (LST) variability among local climate zones (LCZs) comparing Landsat-8 and ENVI-met model data**
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XII. **Mapping snow cover using landsat data: toward a fine-resolution water-resistant snow index**
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XIII. **Improving the Applicability of the SWAT Model to Simulate Flow and Nitrate Dynamics in a Flat Data-Scarce Agricultural Region in the Mediterranean**
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XV. **Basin-wide hydrological system assessment under climate change scenarios through conceptual modelling**
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XVI. **Spatial and temporal evaluation of soil erosion in Turkey under climate change scenarios using the Pan-European Soil Erosion Risk Assessment (PESERA) model**
Berberoğlu S., Çilek A., Kirkby M., Irvine B., Dönmez C.
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XIX. **Estimating Spatio-temporal Responses of Net Primary Productivity to Climate Change Scenarios in the Seyhan Watershed by Integrating Biogeochemical Modelling and Remote Sensing**
BERBEROĞLU S., Evrendilek F., DÖNMEZ C., ÇİLEK A.
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XX. **Soil organic carbon losses by water erosion in a Mediterranean watershed**
ÇİLEK A.
SOIL RESEARCH, vol.55, no.4, pp.363-375, 2017 (SCI-Expanded)

XXI. **Mapping Soil Carbon: Stocks in Turkey**

AYDIN G., ÇULLU M. A., ERŞAHİN S., AKÇA E., Erdogan E., ATATANIR L., YORULMAZ A., ÇİLEK A., Ersoy M., Miavaghi S. R., et al.
ENCYCLOPEDIA OF SOIL SCIENCE, VOLS I-III, 3RD EDITION, pp.1412-1415, 2017 (SCI-Expanded)

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APPLIED GEOGRAPHY, vol.31, no.3, pp.1166-1172, 2011 (SSCI)

Articles Published in Other Journals

I. **Geospatial technologies for physical planning: Bridging the gap between earth science and planning**
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JOURNAL OF DESIGN FOR RESILIENCE IN ARCHITECTURE & PLANNING, vol.3, no.2, pp.213-223, 2022 (Peer-Reviewed Journal)

II. **The Effects of Tree Cover Density on the Urban Heat Islands in the City of Adana**
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III. **Düzenleyici Ekosistem Hizmetlerinde Toprak Erozyonunun Haritalanması: Göksu Havzası Örneği**
ÇİLEK A.
Çukurova Üniversitesi Mühendislik Fakültesi Dergisi, vol.36, no.2, pp.409-419, 2021 (Peer-Reviewed Journal)

IV. **Güneş Enerjisi Santrali için Uygun Alanların CBS Tabanlı AHP Yöntemi ile Belirlenmesi: Mersin İli Örneği**
Güner E. D., Tekin S., Çilek A., Ünal Çilek M.
10.21605/cukurovaumfd.933209, vol.36, no.1, pp.11-24, 2021 (Peer-Reviewed Journal)

V. **Generation of High-Resolution 3-D Maps for Landscape Planning and Design Using UAV Technologies**
ÇİLEK A., BERBEROĞLU S., DÖNMEZ C., ÜNAL M.
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VI. **Landform Analysis using Topographic Characteristics: An Example of Usak Ulubey Canyon**
ÇİLEK A., BERBEROĞLU S., ÜNAL ÇİLEK M., DÖNMEZ C.
Bilge International Journal of Science and Technology Research, vol.3, pp.77-88, 2019 (Peer-Reviewed Journal)

VII. **Evaluation of the Location Selection Suitability of Adana Municipality Solid Waste Facility with**

Spatial Information Technologies
ÜNAL ÇİLEK M., ÇİLEK A., GÜNER E. D.
Bilge International Journal of Science and Technology Research, vol.3, pp.89-105, 2019 (Peer-Reviewed Journal)

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IX. **Microclimate Analysis for Street Tree Planting in Hot and Humid Cities**
ÜNAL M., ÇİLEK A., USLU C., ALTUNKASA M. F.
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X. **Object-Based Crop Mapping Using Multi-Temporal Landsat 8 Imagery**
Çilek A., Berberoğlu S.
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XI. **Doğu Akdeniz?de Web-Tabanlı Turunçgil Bilgi Sistemi Oluşturulması**
BERBEROĞLU S., Şahingöz M., ERDOĞAN M. A., DÖNMEZ C., ÇİLEK A.
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Çukurova Üniversitesi Mühendislik-Mimarlik Fakültesi Dergisi, vol.31, pp.107-116, 2016 (Peer-Reviewed Journal)

XIII. **GIS-Based Accessibility Analysis for Neighbourhood Parks: The Case of Cukurova District**
ÜNAL M., USLU C., ÇİLEK A.
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XIV. **İklim Değişikliği Senaryoları Altında Konumsal Modelleme Kullanarak Türkiye'nin Çevresel Risk Analizi: Net Birincil Üretim Örneği**
BERBEROĞLU S., DÖNMEZ C., ÇİLEK A.
Çukurova Üniversitesi Mühendislik Mimarlık Fakülte Dergisi, 2016 (Peer-Reviewed Journal)

XV. **Karasal Karbon Depolama Kapasitesinin Orman Düzeyinde Tahmin Edilmesi Amacıyla Geomatik Teknolojilerden Yararlanılması**
Ersoy M., Berberoğlu S., Çilek A.
Harita Teknolojileri Elektronik Dergisi, vol.7, pp.21-33, 2015 (Peer-Reviewed Journal)

XVI. **Konumsal Bilgi Sistemi Yardımıyla Türkiye'nin Erozyon Modellemesi**
ÇİLEK A., BERBEROĞLU S.
Ç.Ü Fen ve Mühendislik Bilimleri Dergisi, vol.33-6, pp.57-64, 2015 (Peer-Reviewed Journal)

Books & Book Chapters

I. **Büyük Menderes Havzası Peyzaj Atlası**
BERBEROĞLU S., ÇİLEK A.
Tarım ve Orman Bakanlığı, Doğa Koruma ve Milli Parklar Genel Müdürlüğü, Ankara, 2021

II. **BITKISEL TASARIMDA GÖRSEL ESTETIK KALITESININ BELIRLENMESI: RENK VE FORM ÖĞELERI**
ÇİLEK A.
in: MİMARLIK PLANLAMA VE TASARIM ALANINDA ARAŞTIRMA VE DEĞERLENDİRMELER, Doç. Dr. H. Burçin Henden Şolt, Editor, Gece Kitaplığı, Ankara, pp.41-56, 2021

III. **Soil Degradation: Global Assessment (Second edition)**
Çilek A., Berberoğlu S., Dönmez C., Akça E., Erdoğan M. A.
in: Managing Soils and Terrestrial Systems, Brian D. Fath,Sven Erik Jorgensen, Editor, Taylor Publishing Company, New York, pp.275-284, 2020

IV. **The Use of Design Elements in Planting Design and its Effect on Visual Perception**
Çilek A., Ünal M.
in: Theory and Research in Architecture, Planning and Design II, Doç.Dr. Sibel Demiraslan, Editor, Gece Kitaplığı /

Gece Publishing, Ankara, pp.53-82, 2020

V. **İklim DeğişikliğineDirençli Kentler için Bir Çerçeve: Yeşil Odaklı Uyarlama Kılavuzu**
BERBEROĞLU S., ÇİLEK A., ÜNLÜKAPLAN Y.
Pardus Tan. Bas. Yay. Org. San. Ve Tic. Ltd. Şti., İzmir, 2019

VI. **A Framework for Resilient Cities to Climate Change:Green Revision Guidebook**
BERBEROĞLU S., ÇİLEK A., ÜNLÜKAPLAN Y.
İzmir Büyükşehir Belediyesi, İzmir, 2019

VII. **Estimating Spatio-temporal Responses of Net Primary Productivity to Climate Change Scenarios in the Seyhan Watershed by Integrating Biogeochemical Modelling and Remote Sensing**
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in: Climate Change Impacts on Basin Agro-ecosystems, Watanabe, T., Kapur, S., Aydın, M., Kanber, R., Akça, E. , Editor, Springer Nature Publishing Group, Ag, pp.183-199, 2019

VIII. **Calcisols and Leptosols**
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X. **Okul Öncesi Eğitim Mekânlarında Bitkisel Tasarım**
ÜNAL M., ÇİLEK A.
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Refereed Congress / Symposium Publications in Proceedings

I. **ANALYSIS OF URBAN LAND USE CHANGE USING REMOTE SENSING AND DIFFERENT CHANGE DETECTION TECHNIQUES: THE CASE OF ANKARA PROVINCE**
GÜRBÜZ M., ÇİLEK A.
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Kurt G., KÜLAHLIOĞLU M., ŞAHİNGÖZ M., ÇİLEK A., BERBEROĞLU S.
8. Çukurova Uluslararası Bilimsel Araştırmalar Kongresi, Adana, Turkey, 15 April 2022, vol.2, pp.833-843

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KÜLAHLIOĞLU M., ŞAHİNGÖZ M., Kurt G., ÇİLEK A., BERBEROĞLU S.
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VI. **Landform Analysis using Topographic Characteristics:An Example of Usak Ulubey Canyon**
Çilek A., Berberoğlu S., Ünal M., Dönmez C.
ICONST 2019- LIFE SCIENCE AND TECHNOLOGY, Prizren, Serbia, 26 - 30 August 2019

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IX. **Seyhan Havzası'nda GEFC Modeli ile Alt Havza Bazında Ekolojik Akışın Modellemesi**
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X. **Biotope Mapping in Wetlands Using High-Resolution Satellite Images**
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XIV. **Assessing Spatio-temporal snow cover patterns in a mountainous Mediterranean watershed using conceptual modelling and remote sensing**
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The Shade Lab, Arizona State University, Amerika Birleşik Devletleri, www.shadelab.asu.edu, 2022 - Continues
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Metrics

Publication: 119
Citation (WoS): 170
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5th International EcoSummit Ecological Sustainability Engineering Change, Attendee, Montpellier, France, 2016
Digital Landscape Architecture 2016, Attendee, İstanbul, Turkey, 2016
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Mapping Ecosystem Services for Landscape Planning, Attendee, Zaragoza, Spain, 2016
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5. UZAKTAN ALGILAMA-CBS SEMPOZYUMU (UZAL-CBS 2014), Attendee, İstanbul, Turkey, 2014
Uydu Yer Gözlem Uygulamaları Yaz Okulu 2014, Attendee, Sakarya, Turkey, 2014
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EGU General Assembly 2014, Attendee, Vienna, Austria, 2014
İstanbul Carbon Summit:Carbon Management, Technologies & Trades, Attendee, İstanbul, Turkey, 2014
JEOUZAL (3. Jeolojik Uzaktan Algılama) 2014, Attendee, Antalya, Turkey, 2014
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TMMOB 4.Coğrafi Bilgi Sistemleri Kongresi, Attendee, Ankara, Turkey, 2013
TMMOB Peyzaj Mimarları Odası, Peyzaj Mimarlığı V. Kongresi, Attendee, Adana, Turkey, 2013
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PMOGENÇ 1. Ulusal Öğrenci Sempozyumu, Attendee, Adana, Turkey, 2009

Non Academic Experience

United States Department of Agriculture, Agricultural Research Service, Texas, ABD