

## Assoc. Prof. AHMET ÇİLEK

### Personal Information

Office Phone: [+90 322 338 6545](tel:+903223386545) Extension: 122

Office Phone: [+90 322 338 6545](tel:+903223386545) Extension: 135

Fax Phone: [+90 322 338 6189](tel:+903223386189)

Email: [acilek@cu.edu.tr](mailto: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, Department 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**  
Donmez C., Sahingoz M., Paul C., ÇİLEK A., Hoffmann C., BERBEROĞLU S., Webber H., Helming K.  
European Journal of Agronomy, vol.155, 2024 (SCI-Expanded)
- II. **The effects of 2-D and 3-D urban landscape metrics on mean radiant temperature in hot-arid Phoenix and Tempe, Arizona, USA**  
ÇİLEK A., Unal M., Middel A.  
Sustainable Cities and Society, vol.101, 2024 (SCI-Expanded)
- III. **Modelling tree canopy cover and evaluating the driving factors based on remotely sensed data and machine learning**  
Akn 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**  
Dönmez C., Schmidt M., Çilek A., Grosse M., Paul C., Hierold W., Helming K.  
AGRICULTURAL SYSTEMS, vol.205, pp.103578, 2023 (SCI-Expanded)
- V. **Evaluating the efficiency of future crop pattern modelling using the CLUE-S approach in an agricultural plain**  
Akn A., Erdoğan N., Berberoğlu S., Çilek A., Erdoğan A., Donmez C., Şatir O.  
ECOLOGICAL INFORMATICS, vol.71, pp.1-22, 2022 (SCI-Expanded)
- VI. **The use of regression tree method for Sentinel-2 satellite data to mapping percent tree cover in different forest types**  
Cilek A., Berberoglu S., Donmez C., Sahingoz M.  
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.29, no.16, pp.23665-23676, 2022 (SCI-Expanded)

- 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.  
SUSTAINABILITY, vol.13, no.20, 2021 (SCI-Expanded)
- 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.  
Environmental science and pollution research international, vol.28, pp.51405-51424, 2021 (SCI-Expanded)
- 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**  
ÜNAL ÇİLEK M., ÇİLEK A.  
SUSTAINABLE CITIES AND SOCIETY, vol.69, 2021 (SCI-Expanded)
- XI. **Modelling climate change impacts on regional net primary productivity in Turkey.**  
Berberoglu S., Donmez C., Cilek A.  
Environmental monitoring and assessment, vol.193, no.242, pp.242, 2021 (SCI-Expanded)
- XII. **Mapping snow cover using landsat data: toward a fine-resolution water-resistant snow index**  
DÖNMEZ C., BERBEROĞLU S., ÇİÇEKLİ S. Y., ÇİLEK A., Arslan A. N.  
METEOROLOGY AND ATMOSPHERIC PHYSICS, vol.133, no.2, pp.281-294, 2021 (SCI-Expanded)
- XIII. **Improving the Applicability of the SWAT Model to Simulate Flow and Nitrate Dynamics in a Flat Data-Scarce Agricultural Region in the Mediterranean**  
DÖNMEZ C., Sari O., BERBEROĞLU S., ÇİLEK A., Şatır O., Volk M.  
WATER, vol.12, no.12, 2020 (SCI-Expanded)
- XIV. **Long-term monitoring of soil salinity in a semi-arid environment of Turkey**  
Akça E., Aydın M., Kapur S., Kume T., Nagano T., Watanabe T., Çilek A., Zorlu K.  
CATENA, vol.193, 2020 (SCI-Expanded)
- XV. **Basin-wide hydrological system assessment under climate change scenarios through conceptual modelling**  
DÖNMEZ C., BERBEROĞLU S., ÇİLEK A., KRAUSE P.  
INTERNATIONAL JOURNAL OF DIGITAL EARTH, vol.13, no.8, pp.915-938, 2020 (SCI-Expanded)
- 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.  
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.192, 2020 (SCI-Expanded)
- XVII. **Implementation of fuzzy, Simos and strengths, weaknesses, opportunities and threats analysis for municipal solid waste landfill site selection: Adana City case study**  
Ünal M., Çilek A., Güner E. D.  
WASTE MANAGEMENT & RESEARCH, vol.38, pp.45-64, 2020 (SCI-Expanded)
- XVIII. **Biotope conservation in a Mediterranean agricultural land by incorporating crop modelling**  
ÇİLEK A., BERBEROĞLU S.  
ECOLOGICAL MODELLING, vol.392, pp.52-66, 2019 (SCI-Expanded)
- 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.  
CLIMATE CHANGE IMPACTS ON BASIN AGRO-ECOSYSTEMS, vol.18, pp.183-199, 2019 (SCI-Expanded)
- 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)
- XXII. **Spatiotemporal Modeling of Net Primary Productivity of Eastern Mediterranean Biomes Under Different Regional Climate Change Scenarios**  
DÖNMEZ C., BERBEROĞLU S., ÇİLEK A., Evrendilek F.  
INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH, vol.10, no.2, pp.341-356, 2016 (SCI-Expanded)
- XXIII. **MODELLING LONG TERM FOREST FIRE RISK USING FIRE WEATHER INDEX UNDER CLIMATE CHANGE IN TURKEY**  
Şatır O., BERBEROĞLU S., ÇİLEK A.  
APPLIED ECOLOGY AND ENVIRONMENTAL RESEARCH, vol.14, no.4, pp.537-551, 2016 (SCI-Expanded)
- XXIV. **UNDERSTANDING SPATIAL AND TEMPORAL SNOW DYNAMICS OF A MEDITERRANEAN CATCHMENT USING PROCESS-ORIENTED MODELLING AND REMOTE SENSING**  
DÖNMEZ C., BERBEROĞLU S., ÇİLEK A.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.25, no.5, pp.1609-1622, 2016 (SCI-Expanded)
- XXV. **Response of the regression tree model to high resolution remote sensing data for predicting percent tree cover in a Mediterranean ecosystem**  
DÖNMEZ C., BERBEROĞLU S., ERDOĞAN M. A., Tanrıöver A. A., ÇİLEK A.  
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.187, no.2, 2015 (SCI-Expanded)
- XXVI. **SPATIAL VARIATIONS OF NPP IN DIFFERENT ALTITUDES AT A MEDITERRANEAN WATERSHED**  
DÖNMEZ C., BERBEROĞLU S., ÇİLEK A.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.24, no.7, pp.2264-2274, 2015 (SCI-Expanded)
- XXVII. **Historical spatiotemporal analysis of land-use/land-cover changes and carbon budget in a temperate peatland (Turkey) using remotely sensed data**  
Evrendilek F., BERBEROĞLU S., Karakaya N., ÇİLEK A., Aslan G., Gungor K.  
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**  
Berberoğlu S., Akın Tanrıöver A., Şatır O., Dönmez C., Çilek A., Şahingöz M.  
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**  
Ünal Çilek M., Uslu C., Çilek A.  
Journal of Digital Landscape Architecture, vol.6, pp.267-277, 2021 (Scopus)
- 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.  
Journal of Digital Landscape Architecture, vol.5, no.1, pp.175-284, 2020 (Scopus)
- 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)

### **VIII. Peyzaj Mimarlığında Konumsal Bilgi Teknolojilerinin Kullanımı**

BERBEROĞLU S., ÇİLEK A.

Peyzaj, vol.1, no.1, pp.55-67, 2019 (Peer-Reviewed Journal)

### **IX. Microclimate Analysis for Street Tree Planting in Hot and Humid Cities**

ÜNAL M., ÇİLEK A., USLU C., ALTUNKASA M. F.

Journal of Digital Landscape Architecture, 3-2018, vol.3, no.1, pp.34-42, 2018 (Peer-Reviewed Journal)

### **X. Object-Based Crop Mapping Using Multi-Temporal Landsat 8 Imagery**

Çilek A., Berberoğlu S.

Int. Journal of Engineering Research and Application, vol.8, no.4, pp.34-37, 2018 (Peer-Reviewed Journal)

### **XI. Doğu Akdeniz'de Web-Tabanlı Turunçgil Bilgi Sistemi Oluşturulması**

BERBEROĞLU S., Şahingöz M., ERDOĞAN M. A., DÖNMEZ C., ÇİLEK A.

GEOMATİK DERGİSİ, vol.3, no.2, pp.137-144, 2018 (Peer-Reviewed Journal)

### **XII. Environmental Risk Analysis of Turkey under Climate Change Scenarios using Spatial Modelling: Application of Net Primary Productivity**

BERBEROĞLU S., DÖNMEZ C., ÇİLEK A.

Çukurova Üniversitesi Mühendislik-Mimarlık 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.

Journal of Digital Landscape Architecture, vol.2016, pp.46-56, 2016 (Scopus)

### **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. BITKİSEL TASARIMDA GÖRSEL ESTETİK KALİTESİNİN BELİRLENMESİ: RENK VE FORM ÖĞELERİ**

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 Değişikliğine Dirençli Kentler için Bir Çerçeve: Yeşil Odaklı Uyarılama 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**  
BERBEROĞLU S., Evrendilek F., DÖNMEZ C., ÇİLEK A.  
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**  
Akça E., Aydemir S., Kadir S., Eren M., Zucca C., Günal H., Previtali F., Zdruli P., ÇİLEK A., Budak M., et al.  
in: The Soils of Turkey, Kapur S., Günal H., Akça E., Editor, Springer-Verlag, Cham, pp.139-165, 2018
- IX. **Mapping Soil Carbon: Stocks in Turkey**  
Aydın G., Çullu M. A., Erşahin S., Akça E., Erdoğan H. E., Atatanır L., Yorulmaz A., Çilek A., Ersoy M., Rezzaghı Mıavaghı S., et al.  
in: Encyclopedia of Soil Science, Third Edition, LAL RATTAN, Editor, Taylor Francis Group, CRC Press, Florida, pp.1412-1415, 2017
- X. **Okul Öncesi Eğitim Mekânlarında Bitkisel Tasarım**  
ÜNAL M., ÇİLEK A.  
in: Okul öncesi Eğitim Kurumlarında Yapısal ve Dış Mekan Tasarımı, Halil Duymus, Editor, Karahan Kitabevi Yayınları, Adana, pp.91-112, 2016

## 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.  
The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, Antalya, Turkey, 24 April 2023, pp.515-520
- II. **EVALUATION OF LANDSCAPE PATTERN USING LANDSCAPE METRICS: THE CASE OF ADANA CITY**  
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
- III. **IMPERVIOUS SURFACE AREA WITH SPATIALTEMPORAL DYNAMICS IMPACT OF URBAN HEAT ISLAND: THE CASE OF ADANA CITY**  
KÜLAHLIOĞLU M., ŞAHİNGÖZ M., Kurt G., ÇİLEK A., BERBEROĞLU S.  
8. Çukurova Uluslararası Bilimsel Araştırmalar Kongresi, Adana, Turkey, 15 April 2022, vol.2, pp.843-854
- IV. **ESTIMATION OF MAIZE YIELD UNDER DIFFERENT SUB-SURFACE IRRIGATION REGIMES WITH CROPSYST MODEL**  
Wahab T. S., Çilek A., Acar M., Barutçular C., Sarıyev A.  
The 4th International Congress of Agriculture, Environment and Health, Aydın, Turkey, 20 - 22 May 2021, pp.6
- V. **LANDSLIDE SUSCEPTIBILITY MAPPING OF BÜYÜK MENDERES BASIN USING GEOGRAPHIC INFORMATION SYSTEMS (GIS)**  
KURT G., DÖNMEZ C., ÇİLEK A., BERBEROĞLU S.  
III. ULUSLARARASI ŞEHİR ÇEVRE SAĞLIK KONGRESİ, 16 April 2021
- VI. **Landform Analysis using Topographic Characteristics: An Example of Uşak Ulubey Canyon**  
Çilek A., Berberoğlu S., Ünal M., Dönmez C.  
ICONST 2019- LIFE SCIENCE AND TECHNOLOGY, Prizren, Serbia, 26 - 30 August 2019

- VII. **The Evaluation of Existing Municipal Solid Waste Landfill Area using Spatial Information System: in the case of Adana City**  
Ünal M., Çilek A., Güner E. D.  
ICONST 2019 LIFE SCIENCE AND TECHNOLOGY, Prizren, Serbia, 26 - 30 August 2019
- VIII. **Simulating second crop maize growth under different irrigation regimes in lower seyhan plain using cropsyst model**  
Çilek A., Berberoğlu S., Donmez C.  
8th International Conference on Agro-Geoinformatics, Agro-Geoinformatics 2019, İstanbul, Turkey, 16 - 19 July 2019
- IX. **Seyhan Havzası'nda GEFC Modeli ile Alt Havza Bazında Ekolojik Akışın Modellemesi**  
BERBEROĞLU S., DÖNMEZ C., ÇİLEK A.  
International Congress on Engineering and Architecture (ENAR-2018), Antalya, Turkey, 14 - 16 November 2018, vol.1, pp.1668-1674
- X. **Biotope Mapping in Wetlands Using High-Resolution Satellite Images**  
ÇİLEK A., BERBEROĞLU S., DÖNMEZ C.  
INTERNATIONAL JOINT FORUM LEA'2018 YSTCMT'2018, 22 - 24 November 2018
- XI. **An Integrated Assessment of Eco-hydrological Process of A Mountainous Catchment using Geospatial Modelling and Remote Sensing**  
DÖNMEZ C., BERBEROĞLU S., ÇİLEK A.  
International Joint Forum LEA 2018 and EcoTour-2018, Lviv, Ukraine, 22 - 24 November 2018, pp.1-4
- XII. **Modelling Mediterranean Forest Productivity using BIOME-BGC Model**  
DÖNMEZ C., BERBEROĞLU S., ÇİLEK A.  
International Congress on Engineering and Architecture (ENAR-2018), Antalya, Turkey, 14 - 16 November 2018, pp.1-4
- XIII. **Seyhan Havzası'nda GEFC Modeli ile Alt Havza Bazında Ekolojik Akışın Modellenmesi**  
BERBEROĞLU S., DÖNMEZ C., ÇİLEK A.  
International Congress on Engineering and Architecture (ENAR-2018), Antalya, Turkey, 14 - 16 November 2018, pp.1-4
- XIV. **Assessing Spatio-temporal snow cover patterns in a mountainous Mediterranean watershed using conceptual modelling and remote sensing**  
DÖNMEZ C., BERBEROĞLU S., ÇİLEK A.  
Workshop on "Towards a better harmonization of snow observation and data assimilation on Europe-COST, Budapeşte, Hungary, 30 October 2018, pp.1-4
- XV. **Çukurova Tarımsal Ürün Deseninin Geleceğe Yönelik Modellenmesi**  
TANRIOVER A. A., Erdoğan N., BERBEROĞLU S., ÇİLEK A., ERDOĞAN M. A., DÖNMEZ C., ŞATIR O.  
VII. Uzaktan Algılama ve Coğrafi Bilgi Sistemleri Sempozyumu, Eskişehir, Turkey, 18 - 21 September 2018, pp.392-401
- XVI. **Microclimate Analysis for Street Tree Planting in Hot and Humid Cities**  
ÜNAL M., USLU C., ÇİLEK A., ALTUNKASA M. F.  
The 19th annual International Conference on Information Technology in Landscape Architecture, Digital Landscape Architecture DLA 2018, Freising, Germany, 30 May - 01 June 2018, vol.3, no.1, pp.34-42
- XVII. **Implementing Landscape Rehabilitation Projects Using Remote Sensing Images in Damaged Natural Landscape Areas**  
ÇİLEK A., BERBEROĞLU S., DÖNMEZ C., ÜNAL M.  
Digital Landscape Architecture 2018 (DLA 2018), Freising, Germany, 30 May - 02 June 2018, vol.1, no.1, pp.1
- XVIII. **Microclimate Analysis for Street Tree Planting in Hot and Humid Cities**  
ÜNAL M., USLU C., ÇİLEK A., ALTUNKASA M. F.  
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- XIX. **Assessment of Calibration and Validation of CropSyst model in winter wheat productivity in Mediterranean Environments**

- ÇİLEK A., BERBEROĞLU S., ÜNAL M., DÖNMEZ C.  
XIX. World Congress of CIGR (the International Commission of Agricultural and Biosystems Engineering), Antalya, Turkey, 22 - 25 March 2018, vol.1, pp.1
- XX. **Doğu Akdeniz'de Web-Tabanlı Turunçgil Bilgi Sistemi Oluşturulması**  
BERBEROĞLU S., Şahingöz M., ÇİLEK A.  
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- XXI. **A Comprehensive Hydrological Modelling Implementation: A Case Study of Goksu Watershed, Turkey**  
DÖNMEZ C., BERBEROĞLU S., ÇİLEK A.  
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- XXII. **Effectiveness of Calibration Procedures in Integrated Hydrological Modelling**  
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- XXIII. **Mapping Percent Tree Cover of Turkey using MODIS Data and Regression Tree Model**  
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- XXIV. **Determination of the Environmental Impacts of Agricultural Land Use on Lower Seyhan Plane using SWAT Model**  
BERBEROĞLU S., DÖNMEZ C., ŞATIR O., ÇİLEK A., SARI Ö.  
International Soil and Water Assessment Tool Conference (SWAT 2017), Varşova, Poland, 28 - 30 June 2017, pp.1
- XXV. **Modelling the future wheat productivity using mechanical and process based models in an intense Mediterranean agricultural basin**  
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- XXVI. **Assessment of crop yield simulations for citrus plantations using Cropsyst model for Lower Seyhan Plain in Turkey**  
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- XXVII. **Threats and challenges to fertile agricultural fields: A case of Cukurova plain**  
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- XXVIII. **Use of Remote Sensing for Seasonal and Temporal Monitoring in Wetlands: A Case Study of Akyatan Lagoon**  
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19th International Conference on Landscape Ecology and Urban Ecology, Roma, Italy, 5 - 06 March 2017, vol.4, no.3, pp.1
- XXIX. **A Conceptual Approach for Urban Green Space Using Geographic Information System**  
Ünal M., Çilek A.  
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- XXX. **A Conceptual Approach for Evaluating the Urban Renewal Process**  
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- XXXI. **OBJECT BASED CROP MAPPING USING MULTI-TEMPORAL LANDSAT 8 IMAGES**  
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- XXXII. **APPLYING AN INTEGRATED LANDSCAPE ASSESSMENT AND HYDROLOGICAL MODELLING APPROACH TO A MOUNTAINOUS CATCHMENT**

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- XXXIII. **Environmental Risk Analysis of Turkey under Climate Change Scenarios using Spatial Modelling: Application of Net Primary Productivity**  
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1st International Mediterranean Science and Engineering Congress, Adana, Turkey, 26 - 28 October 2016, pp.1
- XXXIV. **Uzaktan Algılama ve CBS Kullanılarak Toprak Erozyonu Modellemesi: Göksu Havzası Örneği**  
BERBEROĞLU S., ÇİLEK A., DÖNMEZ C.  
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- XXXV. **Mapping Soil Organic Carbon (SOC) Stocks in Turkey**  
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- XXXVI. **Introducing An Ecohydrological Modelling Approach to Investigate Complex Interactions of Forest And Water**  
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- XXXVII. **Biotope mapping in a Mediterranean agricultural landscape using multi-temporal and multi-sensor images**  
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- XXXVIII. **Evaluation of rainfall-runoff models for Mediterranean subcatchments**  
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- XL. **GIS Based Accessibility Analysis For Neighbourhood Parks The Case of Cukurova District**  
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- XLI. **A Quantitative Analysis of Catchment Runoff Generation Using Object-Oriented Modelling**  
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ESA Living Planet Symposium 2016, Prag, Czech Republic, 9 - 13 May 2016, no.463, pp.1
- XLII. **EVALUATION OF RAINFALL-RUNOFF MODELS FOR MEDITERRANEAN SUBCATCHMENTS**  
ÇİLEK A., BERBEROĞLU S., DÖNMEZ C.  
23rd Congress of the International-Society-for-Photogrammetry-and-Remote-Sensing (ISPRS), Prague, Czech Republic, 12 - 19 July 2016, vol.41, pp.321-325
- XLIII. **Irrigation in Turkey Remedy or misery**  
Akça E., Çullu M. A., Çetin M., İbrikçi H., Berberoğlu S., Aydoğdu M. H., Bilgili A. V., Çilek A., Hamasaki H., Büyük G., et al.  
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- XLIV. **ADANA İLİ ÇUKUROVA İLÇESİNDEKİ ÇOCUK OYUN ALANLARININ HİZMET ETKİNLİKLERİNİN BELİRLENMESİ**  
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- XLV. **Spatial variability of seasonal snow cover in a Mediterranean Subcatchment, Turkey**  
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- XLVI. **EROSION MODELLING IN A MEDITERRANEAN SUBCATCHMENT UNDER CLIMATE CHANGE SCENARIOS**

**USING PAN-EUROPEAN SOIL EROSION RISK ASSESSMENT (PESERA)**

ÇİLEK A., BERBEROĞLU S., Kirkby M., Irvine B., DÖNMEZ C., ERDOĞAN M. A.

36th International Symposium on Remote Sensing of Environment, Berlin, Germany, 11 - 15 May 2015, vol.47, pp.359-365

- XLVII. **Environmental Risk Analysis of Turkey under Climate Change Scenarios using Spatial Modelling: Application of Net Primary Productivity**  
BERBEROĞLU S., DÖNMEZ C., ÇİLEK A.  
International Congress on Landscape Ecology, Antalya, Turkey, 23 - 25 October 2014, pp.1-10
- XLVIII. **Türkiye'de İklim Değişikliğinin Çevresel Risk Dağılımına Etkisinin Konumsal Modeller Yardımıyla Tahmini**  
BERBEROĞLU S., ÇİLEK A., DÖNMEZ C., ERDOĞAN M. A., Ersoy M., AKIN A., ŞATIR O.  
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- XLIX. **Pesera Ve Rusle Erozyon Modellerinin Akdeniz Ve Ege Havzalarındaki Sonuçlarının Karşılaştırılması**  
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- L. **Uzaktan Algılanmış Görüntüler ile Üretilen Ağaç Kapalılık Yüzdesi Verilerinin Orman Biyokütle Tahminlerinde Kullanılması**  
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5. UZAKTAN ALGILAMA-CBS SEMPOZYUMU (UZAL-CBS 2014), İstanbul, Turkey, 14 - 17 October 2014, vol.1, no.1, pp.1
- LI. **Türkiye'de İklim Değişikliğinin Çevresel Risk Dağılımına Etkisinin Konumsal Modeller Yardımıyla Modellenmesi**  
BERBEROĞLU S., AKIN A., ÇİLEK A., DÖNMEZ C., ERDOĞAN M. A., Ersoy M., ŞATIR O.  
5. Ulusal Uzaktan Algılama ve Coğrafi Bilgi Sistemleri Sempozyumu (UZALCBS 2014), İstanbul, Turkey, 14 October 2014
- LII. **Climate Change Impacts on Turkish Vegetation**  
DÖNMEZ C., Forrest M., ÇİLEK A., ERDOĞAN M. A., Buontempo C., BERBEROĞLU S., Hickler T.  
European Geosciences Union General Assembly, Viyana, Austria, 27 April - 02 May 2014
- LIII. **Carbon Stocks In Soils Of Turkey**  
Aydın G., Lal R., BERBEROĞLU S., Akça E., Miavaghi S.R S. R., Çullu M. A., Ersoy M., ÇİLEK A., Kapur S.  
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- LIV. **Carbon Response Units Approach In Land Management Planning: The Goksu River Basin Case Study**  
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- LV. **Estimating the Response of Net Primary Productivity to Regional Climate Change in Turkey using a Biogeochemical Model**  
DÖNMEZ C., BERBEROĞLU S., ÇİLEK A.  
Istanbul Carbon Summit: Carbon Management, Technologies & Trade, İstanbul, Turkey, 3 - 05 April 2014, pp.50
- LVI. **Soil Organic Carbon Losses In A Mediterranean Watershed by Water Erosion**  
ÇİLEK A., Kapur S., BERBEROĞLU S., ERDOĞAN M. A., DÖNMEZ C., Ersoy M.  
Istanbul Carbon Summit: Carbon Management, Technologies & Trade, İstanbul, Turkey, 3 - 05 April 2014, pp.42
- LVII. **Erosion Modelling with the Integration of Remote Sensing and Geographic Information Systems**  
ERDOĞAN M. A., BERBEROĞLU S., ÇİLEK A.  
3. Jeolojik Uzaktan Algılama Sempozyumu (JEOUZAL-2014), Antalya, Turkey, 13 - 14 March 2014, vol.1, pp.59-60
- LVIII. **Uzaktan Algılama ve Coğrafi Bilgi Sistemleri Yardımıyla Erozyon Modelleme: Yukarı Seyhan Havzası Örneği**  
ERDOĞAN M. A., BERBEROĞLU S., ÇİLEK A.  
JEOUZAL 2014 Sempozyumu, Antalya, Turkey, 13 - 14 March 2014, pp.1



Project, Green Re-vision: A Framework for the Resilient Cities, 2016 - 2019

Berberoğlu S., Polat S., İbrikçi H., Dönmez C., Şatır O., Akın Tanrıöver A., Gültekin U., Kapur B., Erdoğan M. A., Çilek A., TUBITAK Project, Seyhan Havzası Su Yönetimi İçin Konumsal Bilgi Teknolojileri Tabanlı Karar Destek Sistemi Oluşturulması, 2015 - 2019

BERBEROĞLU S., sönmez f., ERDOĞAN M. A., ÇİLEK A., Şahingöz M., DÖNMEZ C., Project Supported by Higher Education Institutions, Bütünleşik Su Kaynakları Yönetimi için Yerel Çerçeve Planı Tasarımı-2014, 2014 - 2018

DÖNMEZ C., ÇİLEK A., BERBEROĞLU S., Project Supported by Higher Education Institutions, Applying an Integrated Landscape Assessment and Hydrological Modelling Approach to a Mountainous Catchment, 2017 - 2017

BERBEROĞLU S., ÇİLEK A., Project Supported by Higher Education Institutions, Aşağı Seyhan Ovasında Su Toprak Kaynakları ve Biyotop Koruma Temelli Tarımsal Peyzaj Karar Destek Sistemi, 2016 - 2017

ÇİLEK A., TUBITAK Project, İklim Değişikliği ve Türkiye Çevresel Risk Analizi, 2011 - 2015

## Activities in Scientific Journals

Frontiers in Land Geography, Committee Member, 2022 - Continues

Turkish Journal of Geosciences, Committee Member, 2021 - Continues

American Journal of Remote Sensing, Committee Member, 2020 - Continues

## Memberships / Tasks in Scientific Organizations

TMMOB Peyzaj Mimarları Odası, Member, 2009 - Continues

## Scientific Refereeing

FORESTS, SCI Journal, December 2021

TUBITAK Project, 1002 - Quick Support Program, Cukurova University, Turkey, October 2021

STAR Sanat ve Tasarım Araştırmaları Dergisi, National Scientific Refreed Journal, June 2021

Çukurova Tarım ve Gıda bilimleri dergisi (Online), National Scientific Refreed Journal, June 2021

Yüzüncü Yıl Üniversitesi Fen Bilimleri Enstitüsü Dergisi, National Scientific Refreed Journal, February 2021

Mimarlık Bilimleri ve Uygulamaları Dergisi, National Scientific Refreed Journal, February 2021

Kahramanmaraş Sütçü İmam Üniversitesi Mühendislik Bilimleri Dergisi, National Scientific Refreed Journal, January 2021

Remote Sensing Applications: Society and Environment, SCI Journal, October 2020

TURKISH JOURNAL OF AGRICULTURE AND FORESTRY, SCI Journal, September 2020

ENVIRONMENTAL ENGINEERING SCIENCE, SCI Journal, August 2020

Yüzüncü Yıl Üniversitesi Tarım Bilimleri Dergisi, National Scientific Refreed Journal, June 2020

Bilge International Journal of Science and Technology Research, National Scientific Refreed Journal, June 2020

SOIL RESEARCH, SCI Journal, May 2020

inönü üniversitesi sanat ve tasarım dergisi, National Scientific Refreed Journal, March 2020

JOURNAL OF THE INDIAN SOCIETY OF REMOTE SENSING, SCI Journal, February 2020

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Cukurova University, Turkey, January 2020

## Scientific Research / Working Group Memberships

The Shade Lab, Arizona State University, Amerika Birleşik Devletleri, www.shadelab.asu.edu, 2022 - Continues

USDA-ARS-Aerial Application Technology Research Unit, United States Department of Agriculture, Amerika Birleşik Devletleri, www.ars.usda.gov, 2017 - 2017

## Metrics

Publication: 119

Citation (WoS): 172

Citation (Scopus): 203

H-Index (WoS): 9

H-Index (Scopus): 9

## Congress and Symposium Activities

- VI. Uzaktan Algılama ve Coğrafi Bilgi Sistemleri Sempozyumu, Attendee, Adana, Turkey, 2016
- 1st International Mediterranean Science and Engineering Congress, Attendee, Adana, Turkey, 2016
- 5th International EcoSummit Ecological Sustainability Engineering Change, Attendee, Montpellier, France, 2016
- Digital Landscape Architecture 2016, Attendee, İstanbul, Turkey, 2016
- Peyzaj Analizi Çalıştayı, Attendee, Adana, Turkey, 2016
- Mapping Ecosystem Services for Landscape Planning, Attendee, Zaragoza, Spain, 2016
- Peyzaj Mimarları Odası PMOGenç 9. Yaz Kampı, Attendee, Samsun, Turkey, 2015
- CBS Sempozyumu, Attendee, İstanbul, Turkey, 2015
- 4th International Conference on Agro-Geoinformatics, Attendee, İstanbul, Turkey, 2015
- Adana Kent Sorunları Sempozyumu 3, Attendee, Adana, Turkey, 2015
- The 36th International Symposium on Remote Sensing of Environment, Attendee, Berlin, Germany, 2015
- European Geosciences Union General Assembly 2015, Attendee, Vienna, Austria, 2015
- Avrupa Peyzaj Sözleşmesi'nin Uygulanmasına Yönelik "Sürdürülebilir Peyzajlar ve Ekonomi" Konulu 15. Avrupa Konseyi Çalışma Toplantısı, Attendee, Nevşehir, Turkey, 2014
5. UZAKTAN ALGILAMA-CBS SEMPOZYUMU (UZAL-CBS 2014), Attendee, İstanbul, Turkey, 2014
- STATISTICAL ANALYSIS OF GEOSPATIAL DATA FOR ENVIRONMENTAL STUDIES, Attendee, Zaragoza, Spain, 2014
- Uydu Yer Gözlem Uygulamaları Yaz Okulu 2014, Attendee, Sakarya, Turkey, 2014
- 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
- Akademik Bilişim 2014, Attendee, Mersin, Turkey, 2014
- TMMOB Peyzaj Mimarları Odası, Peyzaj Mimarlığı V. Kongresi, Attendee, Adana, Turkey, 2013
- TMMOB 4.Coğrafi Bilgi Sistemleri Kongresi, Attendee, Ankara, Turkey, 2013
- 15th Annual Conference of the International Association for Mathematical Geosciences (IAMG), Attendee, Madrid, Spain, 2013
- PMOGENÇ 1. Ulusal Öğrenci Sempozyumu, Attendee, Adana, Turkey, 2009

## Non Academic Experience

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