

Asst. Prof. İNCİ ÇAĞLAYAN

Personal Information

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Education Information

Doctorate, İstanbul University-Cerrahpaşa, Faculty Of Forest, Department Of Forestry Engineering, Turkey 2015 - 2020

Postgraduate, İstanbul Üniversitesi, Orman Fakültesi, Orman Amenajmanı , Turkey 2012 - 2014

Undergraduate Double Major, İstanbul Üniversitesi, Orman Fakültesi, Peyzaj Mimarlığı, Turkey 2008 - 2013

Undergraduate, İstanbul Üniversitesi, Orman Fakültesi, Orman Mühendisliği, Turkey 2006 - 2010

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Other, Eğiticinin Eğitimi, İstanbul Üniversitesi, 2020

Vocational Course, Heureka Course, Sveriges lantbruksuniversitet (Swedish University of Agricultural Sciences), 2018

Education Management and Planning, Modelling of the forest landscape dynamics with help of an advanced decision support system- HEUREKA, Swedish University of Agricultural Science, 2018

Education Management and Planning, Monte Carlo Simülasyon Uygulamaları, İstanbul Üniversitesi Fen Fakültesi, 2016

Education Management and Planning, Karşılaştırmalı Fortran 90 ve C++, İstanbul Üniversitesi Fen Fakültesi, 2016

Other, ArcGIS, ESRI TURKEY, 2013

Foreign Language, TOEFL, İstanbul Teknik Üniversitesi, 2012

Dissertations

Doctorate, Ekosistem Hizmetlerinin Çok Kriterli Karar Verme Yaklaşımı ile Planlanması: Belgrad Ormanı Örneği, İstanbul University-Cerrahpaşa, Faculty Of Forest, Department Of Forestry Engineering, 2020

Postgraduate, Koruya tahvil edilen meşe baltalıklarında odun üretiminin optimizasyonu; Sergen İşletme Şefliği örneği /

Wood production optimization of oak coppices converting to high forests: The case of Sergen Forest District, İstanbul Üniversitesi, Orman Fakültesi, Orman Amenajmanı Anabilim Dalı, 2014

Research Areas

Agricultural Sciences, Forestry, Forest engineering, Forest Management, Functional Planning, Forestry Decision Making

Academic Titles / Tasks

Assistant Professor, İstanbul University-Cerrahpaşa, Faculty Of Forest, Department Of Forestry Engineering, 2021 -

Continues

Research Assistant PhD, İstanbul University-Cerrahpaşa, Faculty Of Forest, Department Of Forestry Engineering, 2020 - 2021

Research Assistant, İstanbul University, Orman Mühendisliği, 2011 - 2020

Academic and Administrative Experience

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

- I. **A decision making approach for assignment of ecosystem services to forest management units: A case study in northwest Turkey**
Çağlayan İ., Yeşil A., Kabak Ö., Bettinger P.
Ecological Indicators, vol.121, 2021 (Journal Indexed in SCI)
- II. **Mapping of recreation suitability in the Belgrad Forest Stands**
Caglayan İ., Yesil A., Cieszewski C., Gul F. K., Kabak Ö.
APPLIED GEOGRAPHY, vol.116, 2020 (Journal Indexed in SSCI)
- III. **Spatial harvest scheduling for oak coppices conversion into high forest involving wood production management**
ÇAĞLAYAN İ., YEŞİL A., ZENGİN H., Unal M. E.
BOSQUE, vol.39, no.2, pp.177-190, 2018 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Türkiye'nin ilk orman planlama ünitesindeki teknik ve yapısal değişimlerin 100 yıllık değerlendirilmesi**
Şahin A., Çağlayan İ., Büyük H., Karademir H., Aksu A., Şahin H.
Ormanlık Araştırma Dergisi, vol.9, no.1, pp.12-34, 2022 (Other Refereed National Journals)
- II. **Taxonomy for the optimization in forest management: a review and assessment**
Caglayan I., Yesil A., Cinar D., Cieszewski C.
FORESTIST, vol.68, no.2, pp.122-135, 2018 (Journal Indexed in ESCI)
- III. **Visibility Analysis of Fire Watchtowers Using GIS: A Case Study in Dalaman State Forest Enterprise**
GÖLTAŞ M., DEMİREL T., ÇAĞLAYAN İ.
EUROPEAN JOURNAL OF FOREST ENGINEERING, vol.3, pp.66-71, 2017 (International Refereed University Journal)

Books & Book Chapters

- I. **Ekosistem Hizmetleri**
Çağlayan İ., Elvan O. D. (Editor)
in: İstanbul Belgrad Ormanındaki Gelişme Planlarına Halkın Taleplerini Dahil Eden Katılımcı Bir Süreç Oluşturulması, Osman Devrim ELVAN, Editor, Reis Dijital Baskı Sistemleri San. ve Tic. Ltd. Şti., İstanbul, pp.58-71, 2019

Refereed Congress / Symposium Publications in Proceedings

- I. **Risk Analysis in Monumental Trees : Beykoz Grove Example**
Sağlam S., Yeşil A., Demirel T., Çağlayan İ.
Beykoz 2020 Sempozyumu, İstanbul, Turkey, 27 - 29 November 2020, pp.107

- II. **Water regulation and water supply suitability mapping of forest stands: A case study of Belgrade Forest, Turkey**
Çağlayan İ.
2nd International Eurasian Conference on Science, Engineering and Technology, Gaziantep, Turkey, 7 - 09 October 2020, pp.201
- III. **COMPARATION OF THE CARBON FOOTPRINT AND SEQUESTRATION FOR A FOREST AND NEIGHBOUR TWO DISTRICTS**
ÇAĞLAYAN İ., Sadak A., Kılıç Gül F.
4th International Conference on Engineering and Natural Sciences (ICENS 2018), Kiev, Ukraine, 2 - 06 May 2018, pp.167-137
- IV. **THE EFFECT OF DISTANCE TO RESIDENCE ON RECREATION PREFERENCE; THE CASE OF BELGRAD FOREST**
ÇAĞLAYAN İ., SAĞLAM S., Çınar O.
4th International Conference on Engineering and Natural Sciences (ICENS 2018), Kiev, Ukraine, 2 - 06 May 2018, pp.166
- V. **Visibility Analysis of Fire Watchtowers Using GIS; A Case Study of Dalaman State Forest Enterprise**
Demirel T., Göltaş M., Çağlayan İ.
International Forestry and Environment Symposium "Climate Change and Tree Migration", Trabzon, Turkey, 7 - 10 November 2017, pp.123
- VI. **Ranking of Strategic Plans with GRA On The Basis Of Recreation; For Belgrad Forest**
ÇAĞLAYAN İ., KOÇ M., DEMİREL T.
ISFOR 2017 International Symposium on New Horizons in Forestry, Isparta, Turkey, 18 - 20 October 2017, pp.225-231
- VII. **"Ranking of Strategic Plans with GRA On The Basis of Recreation and Water Production; The case of Belgrade Forest"**
ÇAĞLAYAN İ., Koç M., Demirel T.
International Symposium on New Horizons in Forestry, Isparta, Turkey, 18 - 20 October 2017, pp.1-11
- VIII. **Comparison of Forest Planning Systems Implemented in Turkey so far**
ÇAĞLAYAN İ.
1st International Symposium of Forest Engineering and Technologies (FETEC 2016): Forest Harvesting and Rooding in Environmentally Sensitive Areas, Bursa, Turkey, 2 - 04 June 2016, pp.1-10
- IX. **Ağaç Hacim Dağılım Haritalarının Mekansal Enterpolasyon Yöntem(ler)iyle Üretilmesi**
ÇAĞLAYAN İ.
II. ULUSAL AKDENİZ ORMAN VE ÇEVRE SEMPOZYUMU, Isparta, Turkey, 22 - 24 October 2014, pp.1063

Supported Projects

Demirel T., Özkan U. Y. , Çağlayan İ., TUBITAK Project, Meşcere Tipleri Haritasının Otomatik Üretiminde Uzaktan Algılama Verileri (Lidar ve Optik Veriler) ve Coğrafi Bilgi Sistemi (CBS) Tekniklerine Dayalı İki Aşamalı Yaklaşım, 2020 - 2021
Çağlayan İ., Şahin A., Project Supported by Other Official Institutions, Türkiye'nin İlk Orman Planlama Ünitesindeki Zamansal ve Konumsal Değişimin Yüz Yıllık Analizi, 2016 - 2019

Memberships / Tasks in Scientific Organizations

Orman Mühendisleri Odası, Member, 2010 - Continues

Scientific Refereeing

Scientific Consultations

Habitat Peyzaj-Serkan Polat , Scientific Consultancy, Istanbul University, Orman Fakültesi, Orman Mühendisliği, Turkey, 2017 - 2018

GÜL-İSTAN Peyzaj ve İnşaat Tic. Ltd. Şti., Scientific Consultancy, Istanbul University, Orman Fakültesi, Orman Mühendisliği, Turkey, 2012 - 2012

Scholarships

2214-A, TUBITAK, 2018 - 2019