

## Asst. Prof. MURAT ÖZTÜRK

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Karadeniz Technical University, Orman Fakültesi, Orman Mühendisliği, Turkey 2015 - 2023

Postgraduate, Karadeniz Technical University, Orman Fakültesi, Orman Mühendisliği, Turkey 2012 - 2015

Undergraduate, Karadeniz Technical University, Orman Fakültesi, Orman Mühendisliği, Turkey 2008 - 2012

### Foreign Languages

English, B2 Upper Intermediate

### Certificates, Courses and Trainings

Vocational Training, International Summer School: Dendroecology, Quantitative Wood Anatomy and Stable Isotopes: from Xylogenesi to Tree-rings, Dept. Agriculture, University of Naples Federico II - Dept. DISTABIF, university of Campania (SUN) Caserta, Italy, 2017

Vocational Course, Applied Plant Taxonomy, Identification and Field Survey Skills Course, Royal Botanic Gardens, Kew, England, 2015

### Dissertations

Doctorate, Ökseotu'nun Toros Göknarı Büyüme ve Gelişme Parametreleri Üzerine Etkileri, Karadeniz Technical University, Orman Fakültesi, Orman Mühendisliği, 2023

Postgraduate, Ökse Otu (*Viscum album* L. subsp. *austriacum* (Wiesb.) Vollman)'nun Sarıçam (*Pinus sylvestris* L.)'in Büyüme ve Artımı Üzerine Etkisi, Karadeniz Technical University, Fen Bilimleri Enstitüsü, 2015

### Research Areas

Wood Anatomy, Agricultural Sciences, Forestry, Forest engineering, Forest Botanic, Indoor Seeds, Open Seeds, Tree Physiology

### Academic Titles / Tasks

Assistant Professor, Karadeniz Technical University, Orman Fakültesi, Orman Mühendisliği, 2023 - Continues  
Research Assistant, Karadeniz Technical University, Orman Fakültesi, Orman Mühendisliği, 2013 - 2023

## Academic and Administrative Experience

Fakülte Yönetim Kurulu Üyesi, Karadeniz Technical University, Orman Fakültesi, Orman Mühendisliği, 2023 - Continues

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Estimating Mediterranean stand fuel characteristics using handheld mobile laser scanning technology**  
COŞKUNER K. A., Vatandaslar C., ÖZTÜRK M., HARMAN İ., BİLGİLİ E., KARAHALİL U., BERBER T., TUNÇ GÖRMÜŞ E.  
INTERNATIONAL JOURNAL OF WILDLAND FIRE, vol.32, no.9, pp.1347-1363, 2023 (SCI-Expanded)
- II. **Impact of white mistletoe (*Viscum album ssp. abietis*) infection severity on morphology, anatomy and photosynthetic pigment content of the needles of cilicican fir (*Abies cilicica*)**  
ÖZTÜRK M., COŞKUNER K. A., SERDAR B., ATAR F., BİLGİLİ E.  
FLORA, vol.294, 2022 (SCI-Expanded)
- III. **CHANGES IN WOOD PROPERTIES OF CHESTNUT WOOD STRUCTURAL ELEMENTS WITH NATURAL AGING**  
Topaloglu E., USTAÖMER D., ÖZTÜRK M., Pesman E.  
MADERAS-CIENCIA Y TECNOLOGIA, vol.23, 2021 (SCI-Expanded)
- IV. **The distribution of pine mistletoe (*Viscum album ssp. austriacum*) in Scots pine (*Pinus sylvestris*) forests: from stand to tree level**  
BİLGİLİ E., COŞKUNER K. A., BAYSAL İ., ÖZTÜRK M., Usta Y., EROĞLU M., Norton D.  
SCANDINAVIAN JOURNAL OF FOREST RESEARCH, vol.35, pp.20-28, 2020 (SCI-Expanded)
- V. **Leaf area - sapwood area relationship in Scots pine (*Pinus sylvestris* L.) under mistletoe (*Viscum album ssp. austriacum*) infection**  
Bilgili E., Alperen Coşkun K. A., Öztürk M.  
DENDROBIOLOGY, vol.84, pp.1-11, 2020 (SCI-Expanded)
- VI. **Effects of different genders and hormones on stem cuttings of *Salix anatolica***  
Yıldırım N., Bayraktar A., Atar F., Güney D., Öztürk M., Turna İ.  
JOURNAL OF SUSTAINABLE FORESTRY, vol.39, pp.300-308, 2020 (SCI-Expanded)
- VII. **The effect of mistletoe (*Viscum album*) on branch wood and needle anatomy of Scots pine (*Pinus sylvestris*)**  
ÖZTÜRK M., COŞKUNER K. A., Usta Y., SERDAR B., BİLGİLİ E.  
IAWA JOURNAL, vol.40, no.2, pp.352-365, 2019 (SCI-Expanded)
- VIII. **Quantifying the effect of pine mistletoe on the growth of Scots pine**  
Bilgili E., Ozturk M., Coskun K. A., Baysal I., Serdar B., Yavuz H., Eroglu M., Usta Y.  
FOREST PATHOLOGY, vol.48, no.4, 2018 (SCI-Expanded)
- IX. **Characterization of fossil Sequoioxylon wood using analytical instrumental techniques**  
ÖZGENÇ Ö., DURMAZ S., SERDAR B., BOYACI İ. H., Eksi-Kocak H., ÖZTÜRK M.  
VIBRATIONAL SPECTROSCOPY, vol.96, pp.10-18, 2018 (SCI-Expanded)
- X. **INVESTIGATION OF ENZYMATIC EFFECTS ON PIT MEMBRANES USING LIGHT AND SCANNING ELECTRON MICROSCOPY**  
Durmaz S., YILDIZ Ü. C., ÖZTÜRK M., SERDAR B.  
DREWNO, vol.59, no.198, pp.163-169, 2016 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Generalized Almost Simulative ( $\Psi^*$ )-Contraction Mappings in Modular  $b$ -Metric Spaces**  
Ozturk M., Golkarmanesh F., Buyukkaya A.  
JOURNAL OF MATHEMATICAL EXTENSION, no.2, pp.36-72, 2023 (ESCI)
- II. **Investigation of some technological properties of Anatolian boxwood (*Buxus sempervirens* L.) stem wood**  
Topaloğlu E., Ustaömer D., Ozturk M., Ay N.  
Ormançılık Araştırma Dergisi, vol.9, pp.178-185, 2022 (Peer-Reviewed Journal)
- III. **Reporting Intersex Florets in *Salix caprea* L. (Salicaceae) from NE Anatolia**  
TERZİOĞLU S., SERDAR B., ÇOŞKUNÇELEBİ K., ÖZTÜRK M.  
KASTAMONU UNIVERSITY JOURNAL OF FORESTRY FACULTY, vol.20, no.1, pp.11-14, 2020 (ESCI)
- IV. **Doğu Karadeniz Bölgesi'ndeki bazı meyve ağaçlarının odun anatomisi özellikleri ve kâğıt üretimi açısından değerlendirilmesi**  
TOPALOĞLU E., ÖZTÜRK M., USTAÖMER D., SERDAR B.  
Ormançılık Araştırma Dergisi, vol.6, no.2, pp.142-151, 2019 (Peer-Reviewed Journal)
- V. ***Viscum album* L. subsp. *austriacum* (Wiesb.) Vollman (Çam ökse otu)'un *Pinus sylvestris* L. (Sarıçam)'in Odun Elemanlarına Etkisi**  
GÖL Ç., SERDAR B., ÖZTÜRK M., COŞKUNER K. A., BİLGİLİ E.  
DÜZCE ÜNİVERSİTESİ BİLİM VE TEKNOLOJİ DERGİSİ, vol.6, no.4, pp.1354-1363, 2018 (Peer-Reviewed Journal)
- VI. **Türkiye'de Doğal Olarak Yetişen *Amelanchier Medik.* Taksonlarının Odun Anatomileri**  
Serdar B., Karaköse M., Mazlum R., Öztürk M., Göl Ç., TERZİOĞLU S.  
Biyoloji Bilimleri Araştırma Dergisi, vol.7, no.2, pp.30-33, 2014 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **TÜRKİYE'NİN BİTKİSEL BİYOÇEŞİTLİLİĞİ VE ODUN DIŞI BİTKİSEL ÜRÜNLERİ**  
Terzioğlu S., Akbulut S., Özkan Z. C., Serdar B., Öztürk M.  
in: EKOLOJİ VE EKONOMİ EKSENİNDE TÜRKİYE'DE ORMAN VE ORMANCILIK, Bekir PAKDEMİRLİ, Ömer KÜÇÜK, ZÜLFİKAR BAYRAKTAR, SEFA TAKMAZ, Editor, SONÇAĞ AKADEMİ, Ankara, pp.487-546, 2021

## Refereed Congress / Symposium Publications in Proceedings

- I. **The Preliminary Results of the Effect of White Mistletoe (*Viscum album* ssp. *abiteis*) on Radial Growth of Cilician Fir (*Abies cilicica* ssp. *cilicica*)**  
Öztürk M., Coşkun K. A., Serdar B., Bilgili E.  
3rd International Congress on Plant Biology, Rize, Turkey, 21 - 23 September 2022, pp.90
- II. **Impact of mistletoes on host growth and survival in Turkey**  
Öztürk M., Coşkun K. A., Serdar B., Bilgili E.  
4th International Forest Entomology and Pathology Symposium, Trabzon, Turkey, 12 - 14 May 2022, pp.49
- III. **Anadolu Şimşiri (*Buxus Sempervirens* L.) Gövde Odununun Bazı Teknolojik Özelliklerinin Araştırılması**  
Topaloğlu E., Ustaömer D., Öztürk M., Ay N.  
IV. Ulusal Karadeniz Ormançılık Kongresi, Trabzon, Turkey, 6 - 09 December 2021, pp.1
- IV. **Korunan Alanlarda Ökseotu Problemi: Niğde Aladağlar Milli Parkı – Emli Vadisi Örneği**  
Öztürk M., Coşkun K. A., Serdar B., Bilgili E.  
IV. Ulusal Karadeniz Ormançılık Kongresi, Trabzon, Turkey, 6 - 09 December 2021
- V. **The Effects of Pine Mistletoe on Tracheids Dimension of Scots Pine**  
GÖL Ç., SERDAR B., ÖZTÜRK M., COŞKUNER K. A., USTA Y., BİLGİLİ E.  
International Symposium "People-Forest-Science"(PEFOSS 2018), Sarajevo, Bosnia And Herzegovina, 10 - 12

October 2018, pp.62

- VI. **Impact of pine mistletoe on radial growth of scots pine: A Case Study in the Kelkit State Forest Enterprise**  
COŞKUNER K. A., USTA Y., ÖZTÜRK M., BAYSAL İ., EROĞLU M., BİLGİLİ E.  
International Symposium "People-Forest-Science"(PEFOSS 2018), Sarajevo, Bosnia And Herzegovina, 10 - 12 October 2018, pp.60
- VII. **Çam Ökseotunun (*Viscum album ssp. austriacum*) Sarıçam (*Pinus sylvestris*) İbre Anatomisi Üzerine Etkileri**  
ÖZTÜRK M., USTA Y., COŞKUNER K. A., SERDAR B., BİLGİLİ E.  
III. Türkiye Orman Entomolojisi ve Patolojisi Sempozyumu (ENFİTO 2018), Artvin, Turkey, 10 - 12 May 2018, pp.15-16
- VIII. **Mistletoe Biomass on Scots Pine Trees**  
BAYSAL İ., BİLGİLİ E., COŞKUNER K. A., ÖZTÜRK M., SERDAR B., EROĞLU M., YAVUZ H.  
ISEEP-2017 VIII. International Symposium On Ecology And Environmental Problems, Çanakkale, Turkey, 4 - 10 October 2017, pp.134
- IX. **The Effect of Resin Production by The Acid Paste Method from Red Pine and Maritime Pine on The Amount of Resin in The Trunk**  
DENİZ İ., ALTINTAŞ K., SERDAR B., YILDIRIM İ., ÖZTÜRK M., AYDIN İ.  
International Symposium on Madicilinal, Aromatic and Dye Plants, Malatya, Turkey, 5 - 07 October 2017, pp.224-238
- X. **The Effect of Mistletoe on Diameter Increment in Scots Pine Forests**  
BİLGİLİ E., BAYSAL İ., ÖZTÜRK M., COŞKUNER K. A., SERDAR B., YAVUZ H., EROĞLU M.  
ISEEP-2017 VIII. International Symposium on Ecology and Environmental Problems, Çanakkale, Turkey, 4 - 07 October 2017, pp.119
- XI. **Modeling tree growth and development under mistletoe infestation**  
BİLGİLİ E., USTA Y., COŞKUNER K. A., ÖZTÜRK M., BAYSAL İ., EROĞLU M., SERDAR B., YAVUZ H.  
IUFRO 125 th Anniversary Congress, Freiburg, Germany, 18 - 22 September 2017, pp.436
- XII. **Applicability of the pipe model theory on scots pine branches infected by european pine mistletoe**  
COŞKUNER K. A., BİLGİLİ E., BAYSAL İ., USTA Y., ÖZTÜRK M.  
International Conferences on Agriculture, Forest, Food Sciences and Technologies (ICAFOF 2017), Nevşehir, Turkey, 15 - 17 May 2017, pp.1221
- XIII. **The Effect Of Mistletoe On Vertical Resin Duct Density Of Scots Pine Wood**  
BİLGİLİ E., ÖZTÜRK M., COŞKUNER K. A., SERDAR B., BAYSAL İ., USTA Y.  
International Conference on Agriculture, Forest, Food Sciences and Technologies (ICAFOF 2017), Nevşehir, Turkey, 15 - 17 May 2017, pp.623
- XIV. **Investigation of enzymatic effect on pit membranes by light and scanning electron microscopy**  
DURMAZ S., YILDIZ Ü. C., ÖZTÜRK M., SERDAR B.  
47. THE INTERNATIONAL RESEARCH GROUP ON WOOD PROTECTION, Lizbon, Portugal, 15 - 19 May 2016, pp.1-8
- XV. **The effect of *Buddleja davidii* on dendroflora in Degirmendere Valley (in Trabzon)**  
ÖZTÜRK M., ERGÜL BOZKURT A., YILDIRIM N.  
Ecology and Evolutionary Biology Symposium, Turkey 2015, Ankara, Turkey, 6 - 07 August 2015, pp.33
- XVI. **Çam Ökseotunun (*Viscum album ssp. austriacum*) Sarıçam (*Pinus sylvestris*) İbre Morfolojisi üzerine etkileri**  
BİLGİLİ E., SERDAR B., ÖZTÜRK M., COŞKUNER K. A., BAYSAL İ.  
Ekoloji 2015 Sempozyumu, Sinop, Turkey, 6 - 09 May 2015, pp.60
- XVII. **Türkiye'de Doğal Olarak Yetişen *Amelanchier* Taksonlarının Odun Anatomileri**  
SERDAR B., TERZİOĞLU S., Karakose M., Mazlum R., ÖZTÜRK M., Göl Ç.  
Ulusal Botanik Bitki Bilimi Kongresi, Antalya, Turkey, 25 - 28 October 2014, pp.18-19

## Supported Projects

SERDAR B., TERZİOĞLU S., ÖZTÜRK M., ŞAHİN E. S., Project Supported by Higher Education Institutions, Farklı Yayılış Alanlarındaki Fıstık Çamı Ormanlarında Yetişen Odunsu Taksonların Anatomik Özelliklerinin Ekolojik Yönden Araştırılması, 2021 - 2024

Çalışkan E., Coşkun K. A., Öztürk M., Acar H., Project Supported by Other Official Institutions, Ülkemizdeki sarıçam ormanlarında zarar yapan ökseotu (*Viscum album ssp. Austriacum*) yayılışının ve ormanlardaki artım kayıplarının insansız hava aracı (iha) tabanlı multispectral görüntüler ile belirlenmesi, 2021 - 2023

GEZER E. D., ÖZTÜRK M., SERDAR B., AYDOĞAN SELÇUK B., KUŞTAŞ S., Project Supported by Higher Education Institutions, Tarihi ahşap yapılarda tahribat ve kusurların belirlenmesi, 2019 - 2022

Topaloğlu E., Ustaömer D., Peşman E., Öztürk M., Project Supported by Higher Education Institutions, Geleneksel Giresun Evlerinde Kullanılan Ağaç Malzemenin Odun Özelliklerinin Araştırılması, 2018 - 2019

Öztürk M., Serdar B., Project Supported by Other Official Institutions, Doğu Kayını (*Fagus orientalis Lipsky*) Plantasyon Alanlarında Farklı Şiddetlerdeki İlk Aralamaların Odunun Anatomik Özellikleri Üzerine Etkisi, 2014 - 2016

## Memberships / Tasks in Scientific Organizations

International Association of Wood Anatomists (IAWA) , Member, 2014 - Continues, Netherlands

## Scientific Refereeing

SCIENTIFIC REPORTS, Journal Indexed in SCI-E, February 2023

ECOHYDROLOGY, Journal Indexed in SCI-E, September 2022

ECOHYDROLOGY, Journal Indexed in SCI-E, March 2022

## Metrics

Publication: 39

Citation (WoS): 64

Citation (Scopus): 73

H-Index (WoS): 5

H-Index (Scopus): 5

## Congress and Symposium Activities

3rd International Congress on Plant Biology, Attendee, Rize, Turkey, 2023

4th International Forest Entomology and Pathology Symposium, Working Group, Trabzon, Turkey, 2022

IV. Ulusal Karadeniz Ormanlık Kongresi,, Working Group, Trabzon, Turkey, 2021

Mediterranean Forestry and Natural Resources Management (MEDfOR) Consortium Meeting, Attendee, Palencia, Spain, 2020

Mediterranean Forestry and Natural Resources Management (MEDfOR) Consortium Meeting, Working Group, Padua, Italy, 2019

Mediterranean Forestry and Natural Resources Management (MEDfOR) Consortium Meeting, Attendee, Palencia, Spain, 2019

International Symposium "People-Forest-Science, Attendee, Sarajevo, Bosnia And Herzegovina, 2018

International Summer School: Dendroecology, Quantitative Wood Anatomy and Stable Isotopes: from Xylogenesis to Tree-rings, Attendee, Napoli, Italy, 2017

Applied Plant Taxonomy, Identification and Field Survey Skills Course, Attendee, LONDON, United Kingdom, 2015

Ecology and Evolutionary Biology Symposium, Attendee, ANKARA, Turkey, 2015

Ekoloji 2015 Sempozyumu, Attendee, SİNOP, Turkey, 2015

Ulusal Botanik Bitki Bilimi Kongresi, Attendee, ANTALYA, Turkey, 2014

## **Awards**

ÖZTÜRK M., FAKÜLTE BİRİNCİLİĞİ, KARADENİZ TEKNİK ÜNİVERSİTESİ ORMAN FAKÜLTESİ, June 2012