

Res. Asst. ABDULLAH UĞUR BİRİNCİ

Personal Information

Office Phone: [+90 462 377 1560](tel:+904623771560)

Email: ugurbirinci@ktu.edu.tr

Web: <https://avesis.ktu.edu.tr/ugurbirinci>

International Researcher IDs

ORCID: 0000-0003-3273-3615

Publons / Web Of Science ResearcherID: W-4106-2018

Yoksis Researcher ID: 293441

Education Information

Doctorate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Turkey 2019 - Continues

Postgraduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Turkey 2015 - 2019

Undergraduate, Karadeniz Technical University, Orman Fakültesi, Orman Endüstri Mühendisliği, Turkey 2010 - 2015

Associate Degree, Ordu University, Technical Sciences Vocational School, İnşaat , Turkey 2007 - 2010

Research Areas

Agricultural Sciences, Forestry, Forest Industry Engineering, Wood Mechanics and Technology

Academic Titles / Tasks

Research Assistant, Karadeniz Technical University, Orman Fakültesi, Orman Endüstri Mühendisliği, 2018 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Identification of optimal cutting parameters regarding lacquer wettability of CNC processed MDF panels by artificial neural network**
DEMİR A., BİRİNCİ A. U., İlhan O., ÖZTÜRK H.
WOOD MATERIAL SCIENCE & ENGINEERING, 2024 (SCI-Expanded)
- II. **Determining the effects of timber strength and wood species on the mechanical properties of CLT using non-destructive and destructive methods**
BİRİNCİ A. U., ÖZTÜRK H., DEMİR A., İlhan O., GEZER E. D., DEMİRKİR C.
NONDESTRUCTIVE TESTING AND EVALUATION, 2024 (SCI-Expanded)
- III. **Determining the Optimum Layer Combination for CrossLaminated Timber Panels According to Timber Strength Classes Using Artificial Neural Networks**
GEZER E. D., BİRİNCİ A. U., DEMİR A., ÖZTÜRK H., İlhan O., DEMİRKİR C.
BIORESOURCES, vol.19, no.3, pp.4899-4917, 2024 (SCI-Expanded)
- IV. **COMPARISON OF THERMAL PERFORMANCES OF PLYWOOD SHEAR WALLS PRODUCED WITH DIFFERENT THERMAL INSULATION MATERIALS**
BİRİNCİ A. U., DEMİR A., ÖZTÜRK H.
MADERAS-CIENCIA Y TECNOLOGIA, vol.24, pp.1-12, 2022 (SCI-Expanded)

- V. **Determination of the surface characteristics of medium density fibreboard processed with CNC machine and optimisation of CNC process parameters by using artificial neural network**
Demir A., Birinci A. U., Öztürk H.
CIRP JOURNAL OF MANUFACTURING SCIENCE AND TECHNOLOGY, vol.35, pp.929-942, 2021 (SCI-Expanded)

Articles Published in Other Journals

- I. **Yapay Sinir Ağları (YSA) Kullanılarak CLT Perde Duvarların Yanal Yük Altındaki Rijitliklerinin Kereste Direnç Sınıflarına Göre Tahmin Edilmesi**
BİRİNCİ A. U., İLHAN O., DEMİR A., DEMİRKİR C.
Düzce Üniversitesi Orman Fakültesi Ormancılık Dergisi, vol.20, no.1, pp.288-307, 2024 (Peer-Reviewed Journal)
- II. **Investigation of the effect of cladding element and insulation material on lateral load resistance of shear walls**
Yücesoy D., İlhan O., Birinci A. U.
Turkish Journal of Forestry, vol.25, no.1, pp.64-70, 2024 (Peer-Reviewed Journal)
- III. **Deformation of Shear Wall Sheathed with Plywood Produced from Scots Pine and Spruce Wood Under Lateral Load**
DEMİR A., BİRİNCİ A. U., ÖZTÜRK H.
Bartın Orman Fakültesi Dergisi, vol.23, no.2, pp.528-535, 2021 (Peer-Reviewed Journal)
- IV. **Performance under lateral load of CLT walls produced from native wood species**
BİRİNCİ A. U., ÖZTÜRK H., DEMİR A.
Turkish Journal of Forestry, vol.22, no.3, pp.318-322, 2021 (Peer-Reviewed Journal)
- V. **Structural Performance Analysis of Cross Laminated Timber (CLT) Produced From Pine and Spruce Grown in Turkey**
BİRİNCİ A. U., ÖZTÜRK H., DEMİRKİR C., ÇOLAKOĞLU G.
JOURNAL OF ANATOLIAN ENVIRONMENTAL AND ANIMAL SCIENCES, vol.5, no.5, pp.819-824, 2020 (Peer-Reviewed Journal)
- VI. **The Effects of Polystyrene Species and Fiber Direction on Thermal Conductivity of Plywood**
Birinci A. U., Öztürk H., Yücesoy D., Demirkir C.
JOURNAL OF ANATOLIAN ENVIRONMENTAL AND ANIMAL SCIENCES, vol.5, no.5, pp.825-828, 2020 (Peer-Reviewed Journal)
- VII. **Structural Performance Analysis of Cross Laminated Timber (CLT) Produced From Pine and Spruce Grown in Turkey**
BİRİNCİ A. U., ÖZTÜRK H., DEMİRKİR C., ÇOLAKOĞLU G.
JOURNAL OF ANATOLIAN ENVIRONMENTAL AND ANIMAL SCIENCES, vol.5, no.5, pp.819-824, 2020 (Peer-Reviewed Journal)
- VIII. **COMPARISON OF TECHNOLOGICAL PROPERTIES OF PARTICLEBORADS PRODUCED FROM BRANCH AND STEM WOOD OF SEQUOIA**
ÇOLAK S., BİRİNCİ A. U., ÇOLAKOĞLU G.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BİLİMLERİ DERGİSİ, vol.10, no.1, pp.55-58, 2019 (ESCI)
- IX. **YAPISAL AHŞAP ÜRÜNLERİNİN ISI YALITIM ÖZELLİKLERİ**
ÖZTÜRK H., BİRİNCİ A. U., DEMİRKİR C.
İleri Teknoloji Bilimleri Dergisi, vol.6, no.3, pp.522-527, 2017 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Ahşap Mekanların İnsanlarda Stres Ve Kaygı Üzerine Etkisi**
BİRİNCİ A. U., ÖZTÜRK H., DEMİRKİR C.

in: AHŞAP MALZEME VE YAPI TASARIMI, LAKOT ALEMDAĞ ESRA, Editor, Duvar Yayınları, Ankara, pp.332-345, 2024

II. Dünyada Ve Türkiye’de Yapısal Ahşap Malzeme Pazarı

İLHAN O., BİRİNCİ A. U., ÇOLAK S.

in: Ahşap Malzeme ve Yapı Tasarımı, LAKOT ALEMDAĞ ESRA, Editor, Duvar Yayınları, Ankara, pp.44, 2024

III. Atık Pleksi Tozunun Kontrplak Üretiminde Yapıştırıcı Madde Olarak Değerlendirilmesi

İLHAN O., BİRİNCİ A. U., ÖZTÜRK H.

in: Doğa, Orman ve Ekoturizm: Araştırmalar ve Uygulamalar, MISIR MEHMET, Editor, BİDGE Yayınları, Ankara, pp.200-224, 2024

IV. Odun Peleti Üretiminin Dünya’daki ve Türkiye’deki Mevcut Durumu

İLHAN O., ÇOLAK S., BİRİNCİ A. U.

in: Doğa ve Mühendislik Bilimlerinde Güncel Tartışmalar 6, Coğun Hikmet Y., Üzmuş Hasan, Parlar İshak, Editor, Bilgin Kültür Sanat Yayınları, Ankara, pp.63-76, 2022

Refereed Congress / Symposium Publications in Proceedings

- I. **The effect of insulation materials on the thermal conductivity of wooden structural panels**
Demirkır C., Öztürk H., Birinci A. U.
III. International Mediterranean Forest and Environment Symposium, Kahramanmaraş, Turkey, 3 - 05 October 2019, pp.866-869
- II. **Comparison of Technological Properties of Particleboards Produced from Branch and Stem Wood of Sequoia**
ÇOLAK S., BİRİNCİ A. U., ÇOLAKOĞLU G.
International Forest Products Congress, Trabzon, Turkey, 26 - 29 September 2018, pp.850-854
- III. **The Effect of Fiber Orientation in The Middle Layer on Some Technological Properties of Parallel Strand Lumber (PSL)**
ÖZTÜRK H., BİRİNCİ A. U., DEMİRKİR C.
1. INTERNATIONAL TECHNOLOGICAL SCIENCES AND DESIGN SYMPOSIUM, Giresun, Turkey, 27 - 29 June 2018, pp.1931-1937
- IV. **YAPISAL AHŞAP ÜRÜNLERİNİN ISI YALITIM ÖZELLİKLERİ**
ÖZTÜRK H., BİRİNCİ A. U., DEMİRKİR C.
4. Uluslararası Mobilya ve Dekorasyon Kongresi, Düzce, Turkey, 19 - 21 October 2017, pp.577-581
- V. **Thermal Insulation Properties Of Structural Wood Products**
ÖZTÜRK H., BİRİNCİ A. U., DEMİRKİR C.
4. Uluslararası Mobilya ve Dekorasyon Kongresi, Düzce, Turkey, 19 - 21 October 2017, pp.577-581

Supported Projects

DEMİRKİR C., ÖZTÜRK H., DEMİR A., GEZER E. D., İLHAN O., BİRİNCİ A. U., BAYRAMOĞLU M. M., Project Supported by Higher Education Institutions, Çapraz Lamine Ahşap (CLT) Üretim Faktörlerinin CLT Maliyeti Üzerine Etkisinin Araştırılması, 2023 - 2024

Demirkır C., Altunışık A. C., Özşahin Ş., Gezer E. D., Öztürk H., Demir A., TUBITAK Project, CLT Üretimi İçin Kereste Kalite Ve Direnç Sınıfı Optimizasyon Modeli Geliştirilmesi, 2021 - 2023

Demirkır C., Altunışık A. C., Çolak S., Çolakoğlu G., Aydın İ., Özşahin Ş., TUBITAK Project, Kontrplak Kaplı Ahşap Yapı Perde Duvarlarının Yapısal Davranışları Ve Sismik Dayanım Performanslarının Belirlenmesi, 2015 - 2018

Metrics

Publication: 25
Citation (WoS): 6
Citation (Scopus): 8
H-Index (WoS): 1
H-Index (Scopus): 1

Congress and Symposium Activities

THE INTERNATIONAL FOREST PRODUCTS CONGRESS, Attendee, Trabzon, Turkey, 2018
1. INTERNATIONAL TECHNOLOGICAL SCIENCES AND DESIGN SYMPOSIUM, Attendee, Giresun, Turkey, 2018
4.Uluslararası Mobilya ve Dekorasyon Kongresi, Attendee, Düzce, Turkey, 2017