

## Prof. EROL BURDURLU

### Personal Information

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### Education Information

Doctorate, Istanbul University, Fen Bilimleri Enstitüsü, Orman Endüstrisi Makinaları Ve İşletme (Dr), Turkey 1990 - 1995  
Postgraduate, Hacettepe University, Fen Bilimleri Enstitüsü, Ağaç İşleri Endüstri Mühendisliği (YI) (Tezli), Turkey 1985 - 1989

Undergraduate, Hacettepe University, Mesleki Teknoloji Yüksekokulu, Ağaç İşleri Endüstri Mühendisliği Bölümü, Turkey 1978 - 1983

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, Mobilya Endüstrisinde İş Etüdü Uygulamaları Üzerine Araştırmalar, Istanbul University, Fen Bilimleri Enstitüsü, Orman Endüstrisi Makinaları Ve İşletme (Dr), 1995

Postgraduate, Ağaç malzemenin kondenzasyon ve mikrodлга teknikleri ile kurutulması üzerine araştırmalar, Hacettepe University, Fen Bilimleri Enstitüsü, Ağaç İşleri Endüstri Mühendisliği (YI) (Tezli), 1988

### Research Areas

Forest Industry Machinery and Management, Furniture Industry, Woodworking Technique and Machines, Wood Constructions, Production Planning in Forest Industry, Facility Location and Design, Total quality Management

### Academic Titles / Tasks

Professor, Gazi University, Teknoloji Fakültesi, Ağaç İşleri Endüstri Mühendisliği, 2014 - Continues

Professor, Gazi University, Teknik Eğitim Fakültesi, Mobilya Ve Dekorasyon Eğitimi, 2007 - 2014

Associate Professor, Hacettepe University, Mesleki Teknoloji Yüksekokulu, Ağaç İşleri Endüstri Mühendisliği Bölümü, 2000 - 2007

Assistant Professor, Hacettepe University, Mesleki Teknoloji Yüksekokulu, Ağaç İşleri Endüstri Mühendisliği Bölümü, 1996 - 2000

Lecturer, Hacettepe University, Mesleki Teknoloji Yüksekokulu, Ağaç İşleri Endüstri Mühendisliği Bölümü, 1990 - 1996

Research Assistant, Hacettepe University, Mesleki Teknoloji Yüksekokulu, Ağaç İşleri Endüstri Mühendisliği Bölümü, 1984 - 1990

## Academic and Administrative Experience

Gazi University, Teknik Eğitim Fakültesi, Mobilya Ve Dekorasyon Eğitimi Bölümü, 2008 - 2010

Hacettepe University, Mesleki Teknoloji Yüksekokulu, 2000 - 2007

## Advising Theses

BURDURLU E., Ahşap Ürünlerde Ayak-Kayıt Birleştirmelerinin Seçiminde Karar Destek Modellemesi, Doctorate, K.YILMAZ(Student), 2020

BURDURLU E., Effects Of The Material Properties To The Noise Emmission In Surfacer, A.İHSAN(Student), 2017

BURDURLU E., Kalınlık makinesinde malzeme özelliklerinin gürültü emisyonuna etkileri, Postgraduate, A.İHSAN(Student), 2017

BURDURLU E., Effects Of Machining And Material Properties On Noise Level At Planer, Postgraduate, A.GÖREN(Student), 2015

BURDURLU E., Effects of some machining factors to the dust emmission in shaper, Postgraduate, Y.EMRE(Student), 2014

BURDURLU E., Effects of machining factors to the noise emission at the shaper, Postgraduate, F.MEHMET(Student), 2014

BURDURLU E., Increasing the fire strength of particle boards by using some mineral fibers, Doctorate, O.ÜLKER(Student), 2013

BURDURLU E., ANALYSIS OF INVENTORY SPACES WITH THE CAPACITY BASED SPACE REQUIREMENT APPROACH AT THE PANEL FURNITURE MANUFACTURING, Postgraduate, D.ÇETİNKOL(Student), 2011

BURDURLU E., Karaçam (Pinus nigra Arnold)'da yüzey pürüzlülüğünün ahşap koruma amaçlı kullanılan wolmanit CB alımına etkisi, Postgraduate, H.GÜRHAN(Student), 2007

BURDURLU E., Suda eriyen bazı tuzlarla yongalevhaların yanma dayanımının artırılması, Postgraduate, M.UZEL(Student), 2006

BURDURLU E., Ankara ilinde öğrenim gören lise öğrencilerinin antropometrik değerlerinin araştırılması, Postgraduate, G.CANKIZ(Student), 2005

BURDURLU E., Farklı konstrüksiyonlu ahşap kapıların yanmaya karşı dayanımının tespiti, Postgraduate, A.HİLAL(Student), 2003

BURDURLU E., Tüketicilerin ahşap mobilya dolap kapaklarına ilişkin form tercihlerinin araştırılması, Postgraduate, U.ÖZGÜR(Student), 2003

BURDURLU E., Mobilya endüstrisinde kullanılan geleneksel tekil işlem makineleri ile ardışık işlem makinelerinin ekonomiklik açısından karşılaştırılması, Postgraduate, S.ALTUN(Student), 2003

BURDURLU E., Modüler mobilya üreten bir firmanın fizibilite çalışması, Postgraduate, K.ÖZ(Student), 2002

BURDURLU E., Farklı konstrüksiyonlu ahşap prese kapıların ses geçirgenlik değerlerinin belirlenmesi, Postgraduate, B.VURAL(Student), 2001

BURDURLU E., Mobilya endüstrisinde analitik hiyerarşi süreci yöntemi ile kuruluş yeri seçimi, Postgraduate, E.EJDER(Student), 2000

BURDURLU E., Bilgisayar teknolojilerinin mobilya işletmelerinin yönetim organizasyonuna etkileri üzerine araştırmalar, Postgraduate, S.TUNÇEL(Student), 2000

BURDURLU E., Modüler mobilya üretimine yönelik yeni bir modülasyon sistemi yaklaşımı ve uygulaması, Postgraduate, M.GÜÇBİLMEZ(Student), 2000

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

### I. Effects of Some Machining Parameters on Noise Level in Planing of Some Wood Materials

Durcan F. M. , BURDURLU E.

BIORESOURCES, vol.13, no.2, pp.2702-2714, 2018 (Journal Indexed in SCI)

### II. Effect of Glass Wool and Stone Wool Additives on Some Mechanical Properties of Wood Composites

ÜLKER O., BURDURLU E.

BIORESOURCES, vol.11, no.3, pp.5974-5986, 2016 (Journal Indexed in SCI)

- III. **Surface roughness and brightness of scots pine (*Pinus sylvestris*) applied with water-based varnish after densification and heat treatment**  
Pelit H., BUDAKÇI M., SÖNMEZ A., BURDURLU E.  
JOURNAL OF WOOD SCIENCE, vol.61, no.6, pp.586-594, 2015 (Journal Indexed in SCI)
- IV. **Effects of Some Mineral Wools and Adhesives on Burning Characteristics of Particleboard**  
ÜLKER O., BURDURLU E.  
BIORESOURCES, vol.10, no.2, pp.3775-3789, 2015 (Journal Indexed in SCI)
- V. **Effect of Densification Temperature and Some Surfacing Techniques on the Surface Roughness of Densified Scots Pine (*Pinus sylvestris* L.)**  
İMİRZİ H. Ö., ÜLKER O., BURDURLU E.  
BIORESOURCES, vol.9, no.1, pp.191-209, 2014 (Journal Indexed in SCI)
- VI. **The effect of densification temperature on some physical and mechanical properties of scots pine (*Pinus sylvestris* L.)**  
Ulker O., Imirzil O., BURDURLU E.  
BioResources, vol.7, no.4, pp.5581-5592, 2012 (Journal Indexed in SCI Expanded)
- VII. **THE EFFECT OF DENSIFICATION TEMPERATURE ON SOME PHYSICAL AND MECHANICAL PROPERTIES OF SCOTS PINE (*PINUS SYLVESTRIS* L.)**  
ÜLKER O., Imirzi O., BURDURLU E.  
BIORESOURCES, vol.7, no.4, pp.5581-5592, 2012 (Journal Indexed in SCI)
- VIII. **Effect of different layer structures on some resistance characteristics of high-pressure laminates**  
BURDURLU E., ÖZGENÇ Ö.  
FOREST PRODUCTS JOURNAL, vol.59, no.4, pp.69-75, 2009 (Journal Indexed in SCI)
- IX. **THE BENDING MOMENT CAPACITIES OF MITRE FRAME CORNER JOINTS WITH DOVETAIL FITTINGS**  
Kilic M., BURDURLU E., ALTUN S., Berker U. O.  
WOOD RESEARCH, vol.54, no.3, pp.79-88, 2009 (Journal Indexed in SCI)
- X. **Deformation analysis of curved laminated structural wood elements**  
Altinok M., Burdurlu E., ÖZKAYA K.  
CONSTRUCTION AND BUILDING MATERIALS, vol.22, no.8, pp.1643-1647, 2008 (Journal Indexed in SCI)
- XI. **The effects of ply organization and loading direction on bending strength and modulus of elasticity in laminated veneer lumber (LVL) obtained from beech (*Fagus orientalis* L.) and lombardy poplar (*Populus nigra* L.)**  
Burdurlu E., Kilic M., Ilce A. C., Uzunkavak O.  
CONSTRUCTION AND BUILDING MATERIALS, vol.21, no.8, pp.1720-1725, 2007 (Journal Indexed in SCI)
- XII. **The effect of potassium carbonate, borax and wolmanit on the burning characteristics of oriented strandboard (OSB)**  
Ozkaya K., Cemil Ilce A., Burdurlu E., Aslan S.  
CONSTRUCTION AND BUILDING MATERIALS, vol.21, no.7, pp.1457-1462, 2007 (Journal Indexed in SCI)
- XIII. **The effect on shear strength of different surfacing techniques in Oriental beech (*Fagus orientalis* Lipsky) and Scotch pine (*Pinus sylvestris* L.) bonded joints**  
Burdurlu E., USTA İ., Kilic Y., Ulupinar M.  
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.21, pp.319-330, 2007 (Journal Indexed in SCI)
- XIV. **An investigation of some physical and mechanical properties of laminated veneer lumber manufactured from black alder (*Alnus glutinosa*) glued with polyvinyl acetate and polyurethane adhesives**  
Kilic Y., Colak M., Baysal E., Burdurlu E.  
FOREST PRODUCTS JOURNAL, vol.56, no.9, pp.56-59, 2006 (Journal Indexed in SCI)
- XV. **Effect of machining on surface roughness of wood**  
Kilic M., Hiziroglu S., Burdurlu E.  
BUILDING AND ENVIRONMENT, vol.41, no.8, pp.1074-1078, 2006 (Journal Indexed in SCI)
- XVI. **Shear strength of Calabrian pine (*Pinus brutia* Ten.) bonded with polyurethane and polyvinyl**

#### **acetate adhesives**

Burdurlu E., Kilic Y., Eli'bol G., Kilic M.

JOURNAL OF APPLIED POLYMER SCIENCE, vol.100, no.6, pp.4856-4867, 2006 (Journal Indexed in SCI)

#### **XVII. The shear strength of Calabrian Pine (Pinus brutia Ten.) bonded with polyurethane and polyvinyl acetate adhesives**

Burdurlu E., Kilic Y., Elibol G., Kilic M.

JOURNAL OF APPLIED POLYMER SCIENCE, vol.99, no.6, pp.3050-3061, 2006 (Journal Indexed in SCI)

#### **XVIII. Analysis of the most suitable fitting type for the assembly of knockdown panel furniture**

Burdurlu E., Ciritcioglu H., Bakir K., Ozdemir M.

FOREST PRODUCTS JOURNAL, vol.56, no.1, pp.46-52, 2006 (Journal Indexed in SCI)

### **Articles Published in Other Journals**

- I. **MOBİLYA ENDÜSTRİSİ ÜRETİM SÜREÇLERİNDE TEKNOLOJİ SEÇİMİ: Panel Ebatlama Makinesi Seçimi Örneklemesi**  
YILMAZ K., ÖZTÜRK Y., BURDURLU E.  
İleri Teknoloji Bilimleri Dergisi, vol.6, no.3, pp.774-785, 2017 (Other Refereed National Journals)
- II. **VERİ MADENCİLİĞİ İLE TÜRKİYE MOBİLYA SEKTÖRÜ İÇİN 2023 ÖNGÖRÜLERİ**  
ÖZTÜRK Y., YILMAZ K., BURDURLU E.  
İleri Teknoloji Bilimleri Dergisi, vol.6, no.3, pp.757-763, 2017 (Other Refereed National Journals)
- III. **ÇOK ÖLÇÜTLÜ KARAR VERME YAKLAŞIMI İLE MOBİLYA İŞLETMELERİ İÇİN HEDEF PAZAR SEÇİMİ**  
YILMAZ K., ÖZTÜRK Y., BURDURLU E.  
İleri Teknoloji Bilimleri Dergisi, vol.6, no.3, pp.744-766, 2017 (Other Refereed National Journals)
- IV. **The color preferences of consumers on furniture surfaces**  
CİRİTÇİOĞLU H. H. , İLÇE A. C. , BURDURLU E.  
The Online Journal of Science and Technology, vol.7, no.3, pp.98-108, 2017 (Refereed Journals of Other Institutions)
- V. **Bazı Ağaç Malzemelerin Vida Tutma Mukavemetlerinin Belirlenmesi**  
ÇAĞATAY K., EFE H. H. , BURDURLU E., KESİK H. İ.  
Kastamonu Üniversitesi Orman Fakültesi Dergisi, vol.12, no.2, pp.321-328, 2012 (Refereed Journals of Other Institutions)
- VI. **THE FIGURE PREFERENCES OF THE CONSUMERS ON THE PANEL FURNITURE SURFACES**  
İLÇE A. C. , Ciritcioglu H. H. , BURDURLU E., ALTUN S.  
Technology, vol.13, no.4, pp.219-228, 2010 (Other Refereed National Journals)
- VII. **Markalı Mobilya Tercihi Üzerine Kullanıcı Karakteristikleri ile Sosyo Ekonomik Özellikleri**  
ARSLAN A. R. , DORUK Ş., BURDURLU E.  
Politeknik Dergisi, vol.12, no.2, pp.25-34, 2009 (Other Refereed National Journals)
- VIII. **Okul Öncesi Çocuk Oyuncaklarında Malzeme Kullanımı ve 4 6 Yaş Çocuklarının Renk Tercihleri**  
ELİBOL G. C. , KILIÇ Y., BURDURLU E.  
Aile ve Toplum, no.9, pp.35-43, 2006 (Other Refereed National Journals)
- IX. **The Effect of the Number of Blades and the Grain Size of Abrasives in Planing and Sanding on the Surface Roughness of European Black Pine and Lombardy Poplar**  
BURDURLU E., ULUPINAR ÖZ M., BORA A., TAHSİN ÇAĞRI E.  
Turkish Journal of Agriculture and Forestry, vol.29, no.4, pp.315-322, 2005 (Other Refereed National Journals)
- X. **LOCATION CHOICE FOR FURNITURE INDUSTRY FIRMS BY USING ANALYTIC HIERARCHY PROCESS AHP METHOD**  
BURDURLU E., ENGİN E.  
Gazi University Journal, vol.16, no.2, pp.369-373, 2003 (Other Refereed National Journals)
- XI. **AYAK KAYIT BİRLEŞTİRMELERDE KÖŞE TAKOZU VE BİRLEŞTİRME TİPİNİN EĞİLME DİRENCİNE ETKİLERİ**

BURDURLU E., KILIÇ M., ALTUN S.

GÜ Fen Bilimleri Dergisi, vol.16, no.2, pp.357-367, 2003 (Other Refereed National Journals)

**XII. STATIC ANTHROPOMETRIC CHARACTERISTICS OF 12 15 AGED STUDENTS LIVING IN ANKARA TURKEY**

BURDURLU E., USTA İ., İLÇE A. C. , ALTUN S., ELİBOL G. C.

HÜ Sosyolojik Araştırmalar e Dergi, vol.13, pp.1-14, 2003 (Other Refereed National Journals)

## **Books & Book Chapters**

- I. **Kereste Endüstrisi ve Kurutma**  
BURDURLU E.  
Bizim Büro, Ankara, 1995
- II. **Ahşap Kökenli kaplama ve Levha Üretim kullanım Teknolojisi**  
BURDURLU E.  
Bizim Büro, Ankara, 1994
- III. **Ağaçışlerinde Kesme Teorisi ve Mobilya Endüstrisi Makineleri**  
Rıfat İ., BURDURLU E., İbrahim B.  
Bizim Büro, Ankara, 1990

## **Refereed Congress / Symposium Publications in Proceedings**

- I. **Material Requirements Planning and ABC Analysis Applications in Furniture Industry...**  
BURDURLU E., SU M. E.  
The XXIXTH International Conference Research for Furniture Industry, 19 - 20 October 2019
- II. **Legal Requirements for Occupational Safety in the Wood-Based Products Industry and Analysis of Current Situation**  
YILMAZ K., BURDURLU E.  
The XXIXth International Conference Research for Furniture Industry, Ankara, Turkey, 19 - 20 September 2019, pp.249-278
- III. **Literature Review on Development of Integrated Decision Support Systems and Latest Applications**  
YILMAZ K., BURDURLU E.  
The XXIXth International Conference Research for Furniture Industry, Ankara, Turkey, 19 - 20 September 2019, pp.367-396
- IV. **EFFECTS OF DENSIFICATION ON THE ROUGHNESS AND HARDNESS OF BALSAWOOD**  
ÖZTÜRK Y., BURDURLU E.  
The XXIXTH International Conference Research for Furniture Industry, 19 - 20 September 2019
- V. **An Application on the Assignment of the Most Proper Worker with the Hungarian Algorithm in the Furniture Manufacturing Processes**  
YILMAZ K., SU M. E. , BURDURLU E.  
International Forest Products Congress - ORENKO 2018, Trabzon, Turkey, 26 - 29 September 2018, pp.439-447
- VI. **APPLICATION OF ABC ANALYSIS IN A LARGE-SCALE FURNITURE FACTORY**  
SU M. E. , BURDURLU E.  
International Forest Products Congress (ORENKO 2018), Trabzon, Turkey, 26 - 29 October 2018, pp.439-447
- VII. **Technology Selection in Furniture Manufacturing Processes: Sampling of Panel Sizing Machine Selection**  
YILMAZ K., ÖZTÜRK Y., BURDURLU E.  
4th International Furniture and Decoration Congress, Düzce, Turkey, 19 - 21 October 2017, pp.168-180
- VIII. **Target Market Selection for Furniture Companies with the Multiple Criteria Decision Making Approach**

- YILMAZ K., ÖZTÜRK Y., BURDURLU E.  
4th International Furniture and Decoration Congress, Düzce, Turkey, 19 - 21 October 2017, pp.137-149
- IX. **2023 Forecast for the Furniture Sector of Turkey with Data Mining**  
ÖZTÜRK Y., YILMAZ K., BURDURLU E.  
4th International Furniture and Decoration Congress, Düzce, Turkey, 19 - 21 October 2017, pp.150-157
- X. **Ağaç Malzemenin Rendelenmesinde Bazı Malzeme Özelliklerinin Gürültü Emisyonuna Etkileri**  
BURDURLU E., ŞENER A. İ.  
1st International mediterranean Science and Engineering Congress, Adana, Turkey, 26 October 2017 - 28 October 2016, pp.917-924
- XI. **Effect of Densification Temperature with Different Cutting Angles on the Surface Roughnes of densified Scots Pine**  
ÜLKER O., BURDURLU E.  
The XXVIIth International Conference Research For Furniture Industry, 17 - 18 September 2015, pp.186-196
- XII. **Determining the Surface Hardness of Densified and Heat Treatesd woods after water based varnishing**  
PELİT H., SÖNMEZ A., BURDURLU E., USTA İ.  
XXVIIth International Conference Research For Furniture Industry, 17 - 18 September 2015, pp.554-563
- XIII. **Selection of the Most Suitable Edge Banding Machine With the Financial analysis Techniques**  
CİRİTCİOĞLU H. H. , BURDURLU E., AKBULUT R.  
The XXVIIth International Conference Research For Furniture Industry, 17 - 18 September 2015, pp.1-7
- XIV. **Determining the Surface Hardness of Some Densified and Heat Treated Woods After Water Based Varnishing**  
PELİT H., SÖNMEZ A., BURDURLU E., USTA İ.  
XXVII International Conference-Research for Furniture Industry, Ankara, Turkey, 17 - 18 September 2015, pp.554-563

## Supported Projects

- BURDURLU E., Project Supported by Higher Education Institutions, Mobilya Üretiminde İşlenen Malzemelerin Türü ve Özelliklerinin Toz Emisyonuna Etkileri, 2011 - 2014
- BURDURLU E., Project Supported by Higher Education Institutions, Mobilya Üretiminde Kullanılan Klasik Makinelerde İşleme Faktörlerinin Gürültü Emisyonuna Etkisi, 2011 - 2014
- BURDURLU E., Project Supported by Higher Education Institutions, Bazı Mineral Lifler Kullanılarak Yonga Levhaların Yanma Dayanımının Artırılması, 2012 - 2013
- BURDURLU E., Project Supported by Higher Education Institutions, Yoğunlaştırılmış Lamine Kara Kavak (Populus nigra L.)'ın Bazı Fiziksel ve Mekanik Özelliklerinin Araştırılması, 2011 - 2013

## Citations

Total Citations (WOS):341

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