

## Asst. Prof. MEHMET BAHAROĞLU

### Personal Information

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### Education Information

Doctorate, Karadeniz Technical University, Orman Fakültesi, Orman Endüstri Mühendisliği / Odun Mekaniği Ve Teknolojisi, Turkey 2010 - 2016

Postgraduate, Karadeniz Technical University, Orman Fakültesi, Orman Endüstri Mühendisliği / Odun Mekaniği Ve Teknolojisi, Turkey 2008 - 2010

Undergraduate, Karadeniz Technical University, Orman Fakültesi, Orman Endüstri Mühendisliği/Odun Mekaniği Ve Teknolojisi, Turkey 2004 - 2008

### Dissertations

Doctorate, Hammadde Yetiştirme Ortamı, Şekli ve Arazi Yapısı ile Yaşının Yongalevhanın Bazı Kalite Özellikleri Üzerine Etkileri, Karadeniz Technical University, Orman Fakültesi, Orman Endüstri Mühendisliği / Odun Mekaniği Ve Teknolojisi, 2016

Postgraduate, Ağaç Türü, Parafin Kullanım Miktarı ve Uygulama Şeklinin Yongalevhanın Fiziksel ve Mekanik özellikleri Üzerine Etkileri, Karadeniz Technical University, Orman Fakültesi, Orman Endüstri Mühendisliği / Odun Mekaniği Ve Teknolojisi, 2010

### Research Areas

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

### Academic Titles / Tasks

Assistant Professor, Recep Tayyip Erdogan University, Teknik Bilimler Myo, Malzeme Ve Malzeme İşleme Teknolojileri, 2016 - 2018

Lecturer PhD, Recep Tayyip Erdogan University, Teknik Bilimler Myo, Malzeme Ve Malzeme İşleme Teknolojileri, 2012 - 2016

Lecturer, Giresun University, Şebinkarahisar Myo, Malzeme Ve Malzeme İşleme Teknolojileri, 2010 - 2011

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

- Effect of log position in European Larch (*Larix decidua* Mill.) tree on the technological properties of particleboard**  
Muhcu S., NEMLİ G., Ayrilmis N., Bardak S., Baharoglu M., Sari B., Gercek Z.  
SCANDINAVIAN JOURNAL OF FOREST RESEARCH, vol.30, no.4, pp.357-362, 2015 (Journal Indexed in SCI)
- Effects of hardener type, urea usage and conditioning period on the quality properties of particleboard**

Atar I, NEMLİ G., Ayrilmis N., Baharoglu M., Sari B., Bardak S.

MATERIALS & DESIGN, vol.56, pp.91-96, 2014 (Journal Indexed in SCI)

- III. **Effect of paraffin application technique on the physical and mechanical properties of particleboard**  
Baharoglu M., NEMLİ G., Sari B., AYRILMIŞ N., Bardak S., Zekovic E.  
SCIENCE AND ENGINEERING OF COMPOSITE MATERIALS, vol.21, no.2, pp.191-195, 2014 (Journal Indexed in SCI)
- IV. **Effects of anatomical and chemical properties of wood on the quality of particleboard**  
Baharoglu M., NEMLİ G., Sari B., Birturk T., Bardak S.  
COMPOSITES PART B-ENGINEERING, vol.52, pp.282-285, 2013 (Journal Indexed in SCI)
- V. **The role of solid content of adhesive and panel density on the dimensional stability and mechanical properties of particleboard**  
Sari B., NEMLİ G., Baharoglu M., Bardak S., ZEKOVIC E.  
JOURNAL OF COMPOSITE MATERIALS, vol.47, no.10, pp.1247-1255, 2013 (Journal Indexed in SCI)
- VI. **The Influences of Drying Temperature of Wood Particles on the Quality Properties of Particleboard Composite**  
Sari B., NEMLİ G., Ayrilmis N., Baharoglu M., Bardak S.  
DRYING TECHNOLOGY, vol.31, no.1, pp.17-23, 2013 (Journal Indexed in SCI)
- VII. **The influence of moisture content of raw material on the physical and mechanical properties, surface roughness, wettability, and formaldehyde emission of particleboard composite**  
Baharoglu M., NEMLİ G., Sari B., Bardak S., Ayrilmis N.  
COMPOSITES PART B-ENGINEERING, vol.43, no.5, pp.2448-2451, 2012 (Journal Indexed in SCI)
- VIII. **The effect of decor paper properties and adhesive type on some properties of particleboard**  
Bardak S., Sari B., NEMLİ G., KIRCI H., Baharoglu M.  
INTERNATIONAL JOURNAL OF ADHESION AND ADHESIVES, vol.31, no.6, pp.412-415, 2011 (Journal Indexed in SCI)
- IX. **Effects of Density Profile and Hot Press Diagram on the Some Technological Properties of Particleboard Composite**  
Bardak S., NEMLİ G., Sari B., Baharoglu M., ZEKOVIC E.  
HIGH TEMPERATURE MATERIALS AND PROCESSES, vol.30, pp.31-37, 2011 (Journal Indexed in SCI)
- X. **Effects of acidity of the particles and amount of hardener on the physical and mechanical properties of particleboard composite bonded with urea formaldehyde**  
AKYÜZ K. C. , NEMLİ G., Baharoglu M., ZEKOVIC E.  
INTERNATIONAL JOURNAL OF ADHESION AND ADHESIVES, vol.30, no.3, pp.166-169, 2010 (Journal Indexed in SCI)
- XI. **Effects of Formaldehyde/Urea Mole Ratio, Panel Density, Shelling Ratio, and Waste Screen Dust on the Physical and Mechanical Properties, and Formaldehyde Emission of Particleboard Composite**  
Sari B., NEMLİ G., Bardak S., Baharoglu M., ZEKOVIC E.  
HIGH TEMPERATURE MATERIALS AND PROCESSES, vol.29, no.4, pp.287-294, 2010 (Journal Indexed in SCI)
- XII. **Manufacture and Properties of Particleboard Composite From Waste Sanding Dusts**  
Bardak S., NEMLİ G., Sari B., Baharoglu M., ZEKOVIC E.  
HIGH TEMPERATURE MATERIALS AND PROCESSES, vol.29, no.3, pp.159-168, 2010 (Journal Indexed in SCI)

## Articles Published in Other Journals

- I. **The Effects of Some Thermosetting Adhesives on the Formaldehyde Emission of the Particleboard**  
BAHAROĞLU M.  
Journal of Anatolian Environmental and Animal Sciences, vol.4, no.3, pp.376-379, 2019 (Refereed Journals of Other Institutions)
- II. **Odun komposit levha üretiminde uygulanan bazı modifikasyon teknikleri**  
ULUSOY H., BAHAROĞLU M., TAN H., PEKER H.  
Bati Akdeniz Ormancılık Araştırma Enstitüsü Dergisi, vol.1, no.15, pp.57-78, 2013 (Other Refereed National

Journals)

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

- I. **SOME TECHNOLOGICAL PROPERTIES OF PARTICLEBOARD MANUFACTURED FROM PRETREATED SCOTS PINE PARTICLES**  
BAHAROĞLU M.  
International Forest Product Congress, ORENKO 2020, Trabzon, Turkey, 23 - 26 September 2020
- II. **The Changes in The Thickness Swelling of The Particboard Related to The Board Density and Adhesive Type**  
BAHAROĞLU M., NEMLİ G.  
ORENKO 2018- International Forest Products Congress, Trabzon, Turkey, 26 - 29 September 2018
- III. **INFLUENCES OF ADHESIVE TYPE AND BOARD DENSITY ON THE MECHANICAL PROPERTIES OF PARTICLEBOARD**  
BAHAROĞLU M., NEMLİ G.  
1. INTERNATIONAL TECHNOLOGICAL SCIENCES AND DESIGN SYMPOSIUM, Giresun, Turkey, 27 - 29 June 2018

### **Citations**

Total Citations (WOS):135

h-index (WOS):7