



## Personal Information

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## Research Areas

Metallurgical and Materials Engineering, Production Metallurgy, Non Metallic Materials Production, Engineering and Technology

## Academic Titles / Tasks

Assistant Professor, Recep Tayyip Erdogan University, Teknik Bilimler Meslek Yüksekokulu, Malzeme ve Malzeme İşleme Teknolojileri Bölümü, 2011 - Continues

Lecturer, 2009 - 2011

Expert, Karadeniz Technical University, 1998 - 2009

## Academic and Administrative Experience

Head of Department, Recep Tayyip Erdogan University, 2011 - Continues

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

- I. **Unlocking energy efficiency: Experimental investigation of bamboo fibre reinforced briquettes as sustainable solution with enhanced thermal resistance**  
Cuce P., Alvur E., Cuce E., Alshahrani S., Prakash C., Tan H., Ustabas I.  
CASE STUDIES IN THERMAL ENGINEERING, vol.60, pp.104680, 2024 (SCI-Expanded)
- II. **Ecological Approach to the Restoration and Preservation of Historical Wood Material: Natural Mussel Shell Impregnation and Combustion (TGA) Analysis**  
TAN H.  
BIORESOURCES, vol.17, no.4, pp.6832-6846, 2022 (SCI-Expanded)
- III. **Crushed Mussel Shell Powder and Optional Borax in Surface Char Layers to Protect Four Wood Species against Fire**  
TAN H.  
BIORESOURCES, vol.17, no.3, pp.5319-5334, 2022 (SCI-Expanded)
- IV. **Ecological structure: production of organic impregnation material from mussel shell and combustion**  
TAN H., ŞİRİN M., BALTAŞ H.  
POLIMEROS-CIENCIA E TECNOLOGIA, vol.32, no.1, 2022 (SCI-Expanded)

- V. **ANALYSIS OF SOME TOP SURFACE TREATMENT MATERIALS WITH THE ARTIFICIAL NEURAL NETWORK METHOD**  
TAN H.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.30, no.11A, pp.12421-12429, 2021 (SCI-Expanded)
- VI. **Antioxidant stone water (human/friendly environment) thermal (thermogravimetric-TGA) combustion properties in biohazard (insect/fungus) wood**  
TAN H., ULUSOY H., PEKER H.  
POLIMEROS-CIENCIA E TECNOLOGIA, vol.30, no.2, 2020 (SCI-Expanded)
- VII. **Effects of Steaming, Drying Temperature, and Adhesive Type on Static Bending Properties of LVL made of Picea orientalis and Abies nordmanniana veneers**  
Peker H., Tan H., Ersen N.  
BIORESOURCES, vol.10, no.1, pp.79-87, 2015 (SCI-Expanded)

### Articles Published in Other Journals

- I. **Usage of Ecological Dye in Wood and Surface Roughness**  
ATILGAN A., ULUSOY H., Tan H., PEKER H.  
JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, vol.21, no.3, pp.553-558, 2018 (ESCI)
- II. **DYE OF WASTE TEA EXTRACT WITH MORDANT-VARNISH AND THE EFFECT OF COLOR CHANGES ON WOOD**  
ATILGAN A., Tan H., ULUSOY H., PEKER H.  
INTERNATIONAL JOURNAL OF ECOSYSTEMS AND ECOLOGY SCIENCE-IJEES, vol.8, no.2, pp.203-212, 2018 (ESCI)
- III. **Dye Of Waste Tea Extract With Mordant-Varnish and The Effect Of Color Changes On Wood**  
ATILGAN A., TAN H., ULUSOY H., PEKER H.  
International Journal of Ecosystems and Ecology Science (IJEES), vol.8, no.2, pp.203-212, 2018 (ESCI)
- IV. **Ahşap Endüstrisinde Kullanılan Taşıma Sistemleri**  
ATILGAN A., ULUSOY H., TAN H., PEKER H.  
Türk Bilimsel Derlemeler Dergisi, vol.10, no.2, pp.47-53, 2017 (Peer-Reviewed Journal)
- V. **IMPREGNATION IN WOOD OF PYRITE (FeS<sub>2</sub>) MATERIAL AND COMPRESSIVE STRENGTH**  
Bardak S., Bardak T., Morkan B., Tan H., Peker H.  
INTERNATIONAL JOURNAL OF ECOSYSTEMS AND ECOLOGY SCIENCE-IJEES, vol.7, no.3, pp.603-606, 2017 (ESCI)
- VI. **IMPREGNATION IN WOOD OF PYRITE (FeS<sub>2</sub>) MATERIAL AND COMPRESSIVE STRENGTH**  
BARDAK S., BARDAK T., morkan b., TAN H., PEKER H.  
International Journal of Ecosystems and Ecology Sciences(IJEES), vol.7, no.3, pp.603-606, 2017 (ESCI)
- VII. **The Effects of Impregnation with Barite (BaSO<sub>4</sub>) on the Physical and Mechanical Properties of Wood Materials**  
TAN H., ULUSOY H., PEKER H.  
Journal of Bartın Faculty of Forestry, vol.19, no.2, pp.160-165, 2017 (Peer-Reviewed Journal)
- VIII. **Barit (BaSO<sub>4</sub>) Maddesinin Ahşapta Emprenye Edilebilme Özelliği ve Yoğunluk Üzerine Etkisi**  
TAN H., PEKER H.  
Fırat Üniv. Mühendislik Bilimleri Dergisi, vol.27, no.1, pp.29-33, 2015 (Peer-Reviewed Journal)
- IX. **The Material of Barite (BaSO<sub>4</sub>) Feature Impregnation on wood and Effect of Compressive Strength**  
Tan H., PEKER H.  
JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, vol.18, no.1, pp.15-19, 2015 (ESCI)
- X. **Odun komposit levha üretiminde uygulanan bazı modifikasyon teknikleri**  
ULUSOY H., BAHAROĞLU M., TAN H., PEKER H.  
Batu Akdeniz Ormancılık Araştırma Enstitüsü Dergisi, vol.1, no.15, pp.57-78, 2013 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Wood Protection in Varnish (Nano) and Pressure resistance Change**  
TAN H.  
4th International Symposium on Innovative Approaches in Engineering and Natural Sciences, 22 - 24 November 2019
- II. **Barit (BaSO<sub>4</sub>) Maddesinin Ahşapta Emprenye Edilebilme Özelliği ve Bazı Teknolojik Özellikler Üzerine Etkisi**  
ULUSOY H., ATILGAN A., TAN H., PEKER H.  
3 Uluslararası Mühendislik Mimarlık ve Tasarım Kongresi, 4 - 05 May 2018
- III. **PROPERTIES OF IMPREGNATION IN THE SPRUCE WOOD (PICEA ORIENTALIS (L) LINK.) OF PYRITE (FeS<sub>2</sub>) MATERIAL AND EFFECT OF BENDING STRENGTH / MODULUS OF ELASTICITY**  
TAN H., ULUSOY H., MORKAN B., ATILGAN A., PEKER H.  
INTERNATIONAL FORESTRY ENVIRONMENT SYMPOSIUM, 7 - 10 November 2017
- IV. **Properties Of Impregnation In The Spruce Wood(Picea Orientalis (L.) Link.) Of Pyrite (FeS<sub>2</sub>) Material and Effect Of Bending Strength / Modulus Of Elasticity**  
TAN H., ULUSOY H., MORKAN B., ATILGAN A., PEKER H.  
International Forestry Environment Symposium, 7 - 10 November 2017
- V. **Barit Use In Wood Impregnation and Dynamic Bending Strength**  
TAN H., ULUSOY H., KÖROĞLU M., ATILGAN A., PEKER H.  
International Forestry Environment Symposium IFES 2017, 7 - 10 November 2017
- VI. **Barit Use in Wood Impregnation and Dynamic Bending Strength**  
TAN H., ULUSOY H., KÖROĞLU M., ATILGAN A., PEKER H.  
International Forestry Environment Symposium, 7 - 10 November 2017
- VII. **Determination of Natural Radioactivity Levels in LVL and Plywood Samples Produced with Peel Coatings**  
KIRIŞ E., BALTAŞ H., Tan H.  
Turkish Physics Society, 30th International Physics Congress, İstanbul, Turkey, 2 - 05 September 2013, pp.27

## Metrics

Publication: 24

Citation (WoS): 3

Citation (Scopus): 4

H-Index (WoS): 1

H-Index (Scopus): 1