



ICWST 2023
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Unleashing The Potential of Wood-based Materials

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POSTER SECTION PROGRAM



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The Influence of Structural Elements on the Measurement of Thermal Conductivity Using the Hot Disc Method of Wood-based panels

Balaško, Krešimir

Modified PUR Adhesive and its Effect on Longitudinal Tensile Strength Under Tensile Stress

Bárta, Josef; Sikora, Adam; Holeček, Tomáš; Šedivka, Přemysl

Basic Physical and Mechanical Properties of Driftwood Used for Art Installations

Bego, Margarita; Martinovic, Sandra; Lobas Kukavicic, Iris; Hajdarevic, Seid; Obucina, Murco

Captain Vlaho Podic's sea Chest from 1871

Bego, Margarita; Španić, Nikola

Change in Physical Properties at Different Humidity Levels During Laser Wood Processing

Čiháková, Veronika; Corleto, Roberto; Sedlecký, Miroslav

Design Requirements of Upholstered Furniture for Seating and Rest for Smaller Living Spaces Based on the User's Needs

Domljan, Danijela; Lamot, Bernard; Vlaović, Zoran; Pirc-Barčić, Andreja

Structural Based Analysis of Moisture Resistance of Different Wood-Based Panels

Điporović-Momčilović, Milanka; Medved, Sergej; Popović, Mlađan; Španić, Nikola; Jambreković Vladimir

Energy Efficiency and Machined Surface Roughness in Machining Solid Oak Wood (*Quercus robur* L.) on the High Performance Two-Side Thicknessing Planer

Đukić, Igor; Jovanović, Juraj; Župčić, Ivica

Influence of the Focal Length Position of the Focusing Lens on the Plywood Discoloration under Different Modes of CO2 Laser Engraving

Gochev Zhivko; Vichev Pavlin

The Effect of Wooden Material Type and Additional Adhesive Fortification on the Withdrawal Capacity of the Double-thread Nuts

Ibrisevic, Alen; Hajdarevic, Seid; Obucina, Murco; Busuladzic, Ibrahim; Mihulja, Goran

Water Resistance of Fiberglass Reinforced Plywood during Prolonged Water Exposure

Jakimovska Popovska, Violeta; Iliev, Borche

Influence of the Inappropriate School Furniture on the Bodies of Children in Development

Jevtoska Elena; Gruevski Gjorgi

Frequency Spectrum of Roughness Signal Obtained on Machined Surface of Solid Oak Wood After Sawing on the Circular Saw

Jovanović, Juraj; Jug, Matija; Đukić, Igor

Determination of flexible pipe pressure loss in a chip and dust suction system

Jug, Matija; Beljo Lučić, Ružica; Dujmović, Marin; Šafran, Branimir; Radmanović, Kristijan; Jovanović, Juraj; Kruljac, Antonio

The influence of Drying and Initial Moisture Content of Milled and Solid Oak Wood (*Quercus robur* L.) samples on its Solubility in Cold Water

Klarić, Miljenko; Borno, Matišev; Španić, Nikola; Barlović, Nikolina

The effect of thermal modification on the quality of the milled surface of beech and pine wood

Kminiak, Richard; Adamčík, Lukáš; Chuchała, Daniel

Rationalization of furniture constructions in the design phase using the CAD program Inventor

Konsa Petar; Prekrat Silvana

A study on the Environmental Assessment of 3D Printing with Wood-PLA Composites

Krapež Tomec, Daša; Oblak, Leon; Kariž, Mirko; Kitek Kuzman, Manja

Analysis of Primary Value Chains in the Slovenian Forest and Wood Bioeconomy

Kropivšek, Jože; Straže, Aleš; Gornik Bučar, Dominika

Chemical Characterization of Liquefied Forest Biomass of Common Spruce (*Picea abies* L.) and Oak (*Quercus robur* L.)

Matin, Božidar; Đurović, Alen; Matin, Ana; Brandić, Ivan; Tomić, Ivana; Ištvančić, Josip; Antonović, Alan

Colouring of Oak Wood Veneers with Water-based Stains

Miklečić, Josip; Jirouš-Rajković, Vlatka

Market trends analysis of selected wood products and wood residues in the EU based on pre-consumer and post-consumer principles to strife climate change

Obranković, Jelena; Pirc Barčič, Andreja; Tafro, Azra; Vukman, Karla; Klarić, Kristina

Impact of ultrasonic waves on the synthesis of ZnO nanoparticles for wood modification.

Paul Dabosmita; Tesařová, Daniela; Petrič, Marko

Acoustic properties of certain types of wood from Croatia

Radmanović, Kristijan; Bojčić, Ivan; Šafran, Branimir; Dujmović, Marin; Balaško, Krešimir; Župčić, Ivica

Analysis of yield and sawing methods during processing low value pedunculate oak (*Quercus robur* L.) logs to sawmill products

Smajic, Selver; Antonovic, Alan; Obucina, Murco; Istvanic, Josip, Jovanovic, Juraj

Study on the natural aging process of old fir (*Abies alba* Mill.) structural timber

Straže, Aleš; Dremelj, Matjaž; Merela, Maks; Balzano, Angela; Žigon, Jure; Krže, Luka

Impact of feed rate on energy consumption during cutting dry beech wood with a circular saw

Temelkova Anastasija; Trposki Zoran

Maximizing Process Efficiency in the Wood Industry: A Case Study of FMEA in GoSoft ERP

Vukman, Karla; Josipović, Ivona; Klarić, Kristina; Perić, Ivana

Sustainability Through FSC Recycling: An In-Depth Assessment of European Adoption and Trends

Vukman, Karla; Klarić, Kristina; Nikolay Neykov; Perić, Ivana; Obranković, Jelena; Pirc Barčić, Andreja