

Universitatea Transilvania din Braşov

Facultatea de Ingineria Lemnului

Departamentul de Prelucrarea Lemnului și Designul Produselor din Lemn

Tematica propusă pentru admiterea la doctorat Septembrie 2019

Domeniul de doctorat INGINERIE FORESTIERA

Conducător de doctorat: **Prof.dr.ing. Camelia COȘEREANU**

Tematica 1: Panouri compozite lignocelulozice cu adaos de alte materiale (Composite lignocellulosic panels with additives from other materials)

Bibliografie recomandată:

Abdul Halip, J., Tahir, P. Md., Choo, A. C. Y., and Ashaari, Z. (2014). "Effect of kenaf parts on the performance of single-layer and three-layer particleboard made from kenaf and rubberwood," *BioResources* 8(2), 1709-1717.

Ashori, A., and Nourbakhsh, A. (2010). "Bio-based composites from waste agricultural residues," *Waste Management* 30(4), 680-684. DOI: 10.1016/j.wasman.2009.08.003

Balducci, F., Harper, C., Meinschmidt, P., Dix, B., and Sanasi, A. (2008). "Development of innovative particleboard panels," *Drvna Industrija* 59(3), 131-136.

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Carre, P. (2009). WP2 Report of the SUSTOIL Project, Deliverable D2.1. Review and Evaluation Major and Most Promising Processing Technologies for Oil Seed Pre-treatment and Extraction FP7-Energy, <http://www.york.ac.uk/res/sustoil/Pages/Deliverable%202-5.pdf>,

Cosereanu, C.* Brenci, L.M., Zeleniuc, O., Fotin, A. (2015), Effect of Particle Size, Geometry, and Adhesive Ratio on the Performance of Single-layer and Three-layer Particleboard Made from Sunflower Seed Husks, *Bioresources* 10(1), 1127-1136.

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EN 312 (2003). "Particleboards. Specifications," British Standards, London.

EN 317 (1993). "Particleboards and fibreboards. Determination of swelling in thickness after immersion in water," British Standards, London.

EN 319 (1993). "Particleboards and fibreboards. Determination of tensile strength perpendicular to the plane of the board," British Standards, London.

EN 320 (1993). "Fibreboards. Determination of resistance to axial withdrawal of screws," British Standards, London.

EN 323 (1993). "Wood-based panels. Determination of density," British Standards, London.

Tematica 2: Perspective ale valorizării la mobilier și amenajări interioare a unor motive tradiționale românești din patrimoniul textil din Țara Bârsei și împrejurimi.

Bibliografie recomandată:

Cismaru, I., Coșereanu, C. (2016). Ornamentica mobilei. Concepție și fabricație, Editura Universității Transilvania din Brașov, ISBN 978-606-19-0725-0, 671 pagini.

Speltz, A. (1906). The styles of ornament., Grosset & Dunlap edition, New York. Disponibil pe internet: https://openlibrary.org/books/OL14044050M/Styles_of_ornament

Rohrbacher, G. (2017). Design for CNC: Furniture Projects and Fabrication Technique. Maker Media. E-book, disponibilă pe <https://www.slideshare.net/jesomt5/read-design-for-cnc-furniture-projects-and-fabrication-technique-ebook>

Bemrose, W. Bemrose on Traditional Woodworking: Carving, Fretwork, Buhl Work and Marquetry, Bemrose & Sons, London, c. 1868–1870.

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