Adam Olszewski

Lista Publikacji

1. 1. Olszewski, A, Kosmela, P., & Piszczyk, Ł. (2021). Synthesis and characterization of biopolyols through biomass liquefaction of wood shavings and their application in the preparation of polyurethane wood composites. European Journal of Wood and Wood Products, 80(1), 57–74. https://doi.org/10.1007/s00107-021-01755-6

2. Olszewski, A., Kosmela, P., & Piszczyk, Ł. (2023). Bio-polyols synthesized by liquefaction of cellulose: Influence of liquefaction solvent molecular weight. Journal of Applied Polymer Science, 140(26). https://doi.org/10.1002/app.54003

3. Olszewski, A., Kosmela, P., & Piszczyk, Ł. (2023a). A novel approach in wood waste utilization for manufacturing of catalyst-free polyurethane-wood composites (PU-WC). Sustainable Materials and Technologies, 36, e00619. https://doi.org/10.1016/j.susmat.2023.e00619

4. Olszewski, A., Kosmela, P., Vevere, L., Kirpluks, M., Cabulis, U., & Piszczyk, Ł. (2024). Effect of bio-polyol molecular weight on the structure and properties of polyurethane-polyisocyanurate (PUR-PIR) foams. Scientific Reports, 14(1). https://doi.org/10.1038/s41598-023-50764-3

5. Olszewski, A., Kosmela, P., & Piszczyk, Ł. (2024). Towards sustainable catalyst-free biomass-based polyurethane-wood composites (PU-WC): From valorization and liquefaction to future generation of biocomposites. Journal of Cleaner Production, 468, 143046. https://doi.org/10.1016/j.jclepro.2024.143046