



**"Gh. Asachi" Technical University of Iasi, Romania**

---

## **RESEARCHES REGARDING THE CHEMICAL MODIFICATION OF WOOD**

**Lucia Dumitrescu**

*"Transilvania" University, Chemistry Department, 29, Eroilor St., Brasov 2200, Romania, e-mail:  
dsd\_moto@yahoo.com*

---

### **Abstract**

Research regarding chemically modifying the wood in order to prevent its deterioration is an alternative to the protection of wood with toxic chemicals.

The paper presents the research concerning the chemical modification of pine wood sawdust by esterification with acrylic monomers, in order to improve its biological resistance.

*Keywords:* chemical modification of wood, pine wood sawdust, acrylic monomers, emulsion copolymerization, wood preservation agents

---