

## **A state change of the components in the system organic solvent cellulose - water in the process of isothermal drying**

© **Tatiana V. Smotrina**,\*<sup>+</sup> and **Ludmila P. Koulakova**

*Department of Physics. Volga State Technological University (Mari State Technical University before  
18.04.2012). Lenin St., 3. Yoshkar-Ola, 424000. Mari El Republic. Russia.*

*Phone: +7 (8362) 68-68-04. E-mail: tatyana-smotrina@yandex.ru*

---

\*Supervising author; <sup>+</sup>Corresponding author

**Keywords:** *cellulose, water desorption, nuclear magnetic relaxation.*

### **Abstract**

The processes of spin-spin and spin-lattice relaxation in the cellulose-water system were investigated at varying conditions of drying. Interrelation between moisture evaporation and mobility of investigated mix components was detected.