

## The study of interactions in the system "cellulose - aqueous electrolyte"

© Leonid Y. Grunin, Yury B. Grunin, Vladimir I. Talantsev,\*<sup>+</sup>

Daria S. Masas, and Osman Aslan

Department of Physics. Volga State Technological University. Square Lenin St., 3. Yoshkar-Ola, 424000.

Republic of Mari El. Russia. Phone: +7 (8362) 68-68-04. E-mail: askarlson@mail.ru

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

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### Abstract

This article presents the results of studies of the interaction of cellulose samples with aqueous solutions of NaCl and MgCl<sub>2</sub> of various concentrations under normal ambient conditions. The content of adsorbed ions was determined using the *EV-74* ionomer by the difference of concentrations of the solution prior to placement in a sample of cellulose and after the adsorption equilibrium. Acted as the kinetics of this process with different content of carboxyl groups, which are an indicator of the degree of aging of cellulose based materials.