

## Models of supramolecular structure of cellulose

© Yuriy B. Grunin,<sup>1\*+</sup> Leonid Yu. Grunin,

Ekaterina A. Nikolskaya, and Vladimir I. Talantsev<sup>2+</sup>

*Department of physics. Mari state technical university.*

*Lenin St., 3. Yoshkar-Ola, 424000. Republic of Mari El. Russia.*

*Phone: +7 (8362) 68-68-04. E-mail: <sup>1)</sup> nmr@marstu.net ; <sup>2)</sup> askarlson@mail.ru*

\*Supervising author; +Corresponding author

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### Abstract

In the present article models of structural organization of cellulose supramolecules have been reviewed. Special attention has been given to two crystalline modifications of cellulose:  $\alpha$  and  $\beta$ . Research results of the given crystalline modifications have been generalized using the methods of X-ray structural analysis, atomic-power microscopy, and nuclear magnetic resonance have been reviewed. Results of the research of the structural organization of cellulose, carried out by the authors with the use of NMR <sup>1</sup>H method of low resolution have been presented.