

### **Alternative wood preservative systems in a combined impregnation process (CIP)**

**Liibert, Laura**; Treu, Andreas; **Meier, Pille** Proceedings of the 6th meeting of the Nordic-Baltic Network in Wood Material Science and engineering (WSE) : October 21-22, 2010, Tallinn, Estonia 2010 / p. 190

### **Chitosan nanoparticles having higher degree of acetylation induce resistance against pearl millet downy mildew through nitric oxide generation**

Siddaiah, Chandra Nayaka; Prasanth, Keelara Veerappa Harish; Satyanarayana, Niranjan Raj; Mudili, Venkataramana; **Gupta, Vijai Kumar**; Kalagatur, Naveen Kumar; Satyavati, Tara; Dai, Xiao-Feng; Chen, Jie-Yin; Mocan, Andrei Scientific reports 2018 / art. 2485, 14 p. : ill <https://doi.org/10.1038/s41598-017-19016-z> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at Scopus](#) [Article at WOS](#)

### **Chitosan-copper oxide nanocomposites : synthesis, antibacterial efficacy, and cytotoxicity**

**Laanoja, Jüri**; Sihtmäe, Mariliis; Otsus, Maarja; Kasemets, Kaja; Kahru, Anne 2025 IEEE 15th International Conference "Nanomaterials: Applications & Properties" : Abstract Book 2025 2025 / p. 464 [https://ieeexplore.org/data/Book\\_of\\_Abstracts\\_2025.pdf](https://ieeexplore.org/data/Book_of_Abstracts_2025.pdf)

### **Doktoritöö: kastanist valmistatud materjal sobib toidupakendiks [Võrguväljaanne]**

Oidermaa, Jaan-Juhan novaator.err.ee 2021 ["Doktoritöö: kastanist valmistatud materjal sobib toidupakendiks"](#)

### **Electrospinning polyvinyl alcohol reinforced with chitin: The effect of the degree of acetylation**

**Krumme, Andres**; Mendez, James D. Polymers 2024 / art. 1955 <https://doi.org/10.3390/polym16141955> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Formulation of active food packaging by design: Linking composition of the film-forming solution to properties of the chitosan-based film by response surface methodology (RSM) modelling**

Bajić, Marijan; Oberlintner, Ana; **Körge, Kristi**; Likožar, Blaž; Novak, Uroš International Journal of Biological Macromolecules 2020 / p. 971 - 978 <https://doi.org/10.1016/j.ijbiomac.2020.05.186> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **The investigation of the production of salt-added polyethylene oxide/chitosan nanofibers**

Varnaite-Žuravliova, Sandra; **Savest, Natalja**; Baltušnikaite-Guzaitiene, Julija; Abraitienė, Aušra; **Krumme, Andres** Materials 2024 / art. 132 <https://doi.org/10.3390/ma17010132> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Kas tulevikus võiks toidupakendeid valmistada kastanitest?**

Maa Elu 2021 / Lk. 4 [https://www.ester.ee/record=b4427409\\*est](https://www.ester.ee/record=b4427409*est)

### **Kas tulevikus võiks toidupakendeid valmistada kastanitest? [Võrguväljaanne]**

postimees.ee 2021 ["Kas tulevikus võiks toidupakendeid valmistada kastanitest?"](#)

### **Life cycle assessment of laboratory-scale chitosan production: comparison of high-pressure processing-assisted and conventional methods**

**Bashiri, Bashir**; Pinheiro, Ana Cristina De Aguiar Saldanha; Tappi, Silvia; Rocculi, Pietro; **Kaleda, Aleksei**; **Vilu, Raivo** Proceedings of the Estonian Academy of Sciences 2025 / p. 1-14 : ill <https://doi.org/10.3176/proc.2025.1.01>

### **Macroporous silicon-wollastonite scaffold with Sr/Se/Zn/Mg-substituted hydroxyapatite/chitosan hydrogel**

Ressler, Antonia; **Kamboj, Nikhil Kumar**; Ledinski, Maja; Rogina, Anamarija; Urlic, Inga; **Hussainova, Irina**; Ivankovic, Hrvoje; Ivankovic, Marica Open Ceramics 2022 / art. 100306 <https://doi.org/10.1016/j.oceram.2022.100306> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Potential eco-friendly wood protection systems used in royal process**

Liibert, Laura; **Treu, Andreas**; **Kers, Jaan**; Meier, Pille Proceedings of the 8th International Conference of DAAAM Baltic Industrial Engineering, 19-21st April 2012, Tallinn, Estonia. 2012 / p. 674-679 : ill

### **Reduction in spoilage microbiota and cyclopiazonic acid mycotoxin with chestnut extract enriched chitosan packaging: stability of inoculated Gouda cheese**

**Körge, Kristi**; Šeme, Helena; Bajić, Marijan; Likožar, Blaž; Novak, Uroš Foods 2020 / Art. nr. 1645 <https://doi.org/10.3390/foods9111645> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Synergistic interaction of natamycin with carboxymethyl chitosan for controlling Alternata alternara, a cause of black spot rot in postharvest jujube fruit**

Gong, Liang; Zhao, Zhiyong; Yin, Chunxiao; **Gupta, Vijai Kumar**; Zhang, Xianhui; Jiang, Yueming Postharvest Biology and Technology 2019 / Art. nr. 110919 <https://doi.org/10.1016/j.postharvbio.2019.05.020> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Synthesis and antibacterial efficiency of chitosan–copper oxide nanocomposites**

**Laanoja, Jüri**; Sihtmäe, Mariliis; Otsus, Maarja; Kahru, Anne; Kasemets, Kaja International Conference EcoBalt 2023

"Chemicals&Environment" 2023 / 2 p. <https://doi.org/10.3390/proceedings2023092035>

**Synthesis and characterization of chitosan-polyacrylamide cryogels for the purification of human IgG by IMAC**

**Sepúlveda Del Rio Hamacek, Henrique**; Bresolin, Igor Tadeu Lazzarotto; Fioravante, Igor Ferreira; Bueno, Sonia Maria Alves  
Process Biochemistry 2023 / p. 199 - 209 <https://doi.org/10.1016/j.procbio.2023.06.021>

**Synthesis and characterization of synergically acting antifungal silver-chitosan nanocomposites for biomedical applications**

**Kaarma, Laura**; Kahru, Anne; Kasemets, Kaja Toxicology Letters 2025 / P22-04 ; p. S269-S270  
<https://doi.org/10.1016/j.toxlet.2025.07.634>

**Synthesis and synergistic antibacterial efficiency of chitosan-copper oxide nanocomposites**

**Laanoja, Jüri**; Sihtmäe, Mariliis; Vihodceva, Svetlana; Iesalnieks, Mairis; Otsus, Maarja; Kurvet, Imbi; Kahru, Anne; Kasemets, Kaja  
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**Toxicity of silver–chitosan nanocomposites to aquatic microcrustaceans *Daphnia magna* and *Thamnocephalus platyurus* and naturally luminescent bacteria *Vibrio fischeri***

Sihtmäe, Mariliis; **Laanoja, Jüri**; Blinova, Irina; Kahru, Anne; Kasemets, Kaja Nanomaterials 2024 / art. 1193  
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