

Aastaks 2050 valmistumist tuleb alustada juba täna [Võrguväljaanne]

metsamajandusuudised.ee 2021 ["Aastaks 2050 valmistumist tuleb alustada juba täna "](#)

An adaptive filtering system for separation of cardiac and respiratory components of bioimpedance signal

Krivošei, Andrei; Min, Mart; Parve, Toomas; Ronk, Ants 2006 IEEE International Workshop on Medical Measurement and Applications : Benevento, Italy, April 20-21, 2006 2006 / p. 10-15 <https://ieeexplore.ieee.org/document/1644448>

Additive manufacturing of silicon-wollastonite/bioactive glass based biomaterials by Selective Laser Melting

Kamboj, Nikhil Kumar; Rodríguez Barbero, M. A.; Rodrigo, C.; Kazantseva, Jekaterina; Hussainova, Irina 44th International Conference & Exposition on Advanced Ceramics and Composites, January 26–31, 2020, Daytona Beach, Florida : Abstract book 2020 / art. ICACC-S5-028-2020 ; p. 133 https://ceramics.org/wp-content/uploads/2018/09/ICACC20_Abstracts_WebFinal.pdf

Andres Krumme: plastimurest vabaks puidust toodetava bioplasti abil

director.ee 2022 [Andres Krumme: plastimurest vabaks puidust toodetava bioplasti abil](#)

Antibacterial Properties of Heteronium Lignin Containing Materials Against ESKAPE Pathogens

Mohan, Mahendra Kothottil; Bragina, Olga; Mosjakina, Sofija; Raimundo, Jean-Manuel; Karpichev, Yevgen ChemRxiv 2025 <https://doi.org/10.26434/chemrxiv-2025-zmlgw-v2>

Ashwood as a biocompatible osteoconductive material for long-term implant

Lasn, L.; Raie, R.; Kallavus, Urve; Allas, A. Acta orthopaedica Scandinavica 1994

Assessing the biodegradation characteristics of poly(butylene succinate) and poly(lactic acid) formulations under controlled composting conditions

Lyshtva, Pavlo; Voronova, Viktoria; Kuusik, Argo; Kobets, Yaroslav AppliedChem 2025 / art. 17 <https://doi.org/10.3390/appliedchem5030017> <https://www.mdpi.com/2673-9623/5/3/17>

Biocomposites materials based on lignocellulosic fibres and thermoplastic matrices

Süld, Tiia-Maaja; Viikna, Anti PPS-24 : The Polymer Processing Society 24th Annual Meeting : June 15-19, 2008, Salerno, Italy : book of abstracts 2008 / p. II.260

Biofuels and Bioproducts from Lignocellulosic Materials : Biomaterials

2025 <https://shop.elsevier.com/books/biofuels-and-bioproducts-from-lignocellulosic-materials/sharma/978-0-443-21606-0>

Bioinspired and multifunctional tribological materials for sliding, erosive, machining, and energy-absorbing conditions : A review

Kumar, Rahul, 1993-; Rezapourianghahfarokhi, Mansoureh; Rahmani Ahranjani, Ramin; Maurya, Himanshu Singh; Kamboj, Nikhil Kumar; Hussainova, Irina Biomimetics 2024 / art. 209 <https://doi.org/10.3390/biomimetics9040209> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Bio-inspired TiB₂-TiB-TiN lattices by selective laser melting

Liu, Le; Minasyan, Tatevik; Kamboj, Nikhil; Aydinyan, Sofiya; Hussainova, Irina Materials Letters 2020 / art. 128337 <https://doi.org/10.1016/j.matlet.2020.128337> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Biotoodete tootmine - samm Põhjamaade suunas

Vastutustundlik ettevõtlus 2022 / Lk. 9 [Biotoodete tootmine - samm Põhjamaade suunas](#)

Calculation of microwave radiometric signals in a lossy biological tissue

Hinrikus, Hiie Tallinna Tehnikaülikooli Toimetised 1994 / lk. 68-81: ill

Characterisation of frost-retted hemp fibres for use as reinforcement in biocomposites = Külmligu kanepikiudude karakteriseerimine kasutamiseks sarrusena biokomposiitides

Alao, Percy Festus 2022 <https://doi.org/10.23658/taltech.31/2022> <https://digikogu.taltech.ee/et/Item/1cb2c061-7df8-4d8b-806a-fd53ea8820b5> https://www.estar.ee/record=b5500189*est

Characterizing the biofunctionalization of gold surface with total internal reflection fluorescence (TIRF) microscopy

Ehrminger, Robin Benjamin; Kopantšuk, Sergei; Kivirand, Kairi; Min, Mart Proceedings of the Estonian Academy of Sciences 2020 / p. 27-34 : ill <https://doi.org/10.3176/proc.2020.1.02> http://www.kirj.ee/33001/?tpl=1061&c_tpl=1064 [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A comprehensive review on development of waste derived hydroxyapatite (HAp) for tissue engineering application

Kumar Yadav, Mayank; Shukla, Riddhi Hirenkumar; Prashanth, Konda Gokuldoss Materials today: proceedings 2023 / 7 p. : ill <https://doi.org/10.1016/j.matpr.2023.04.669>

Degradation and disintegration behavior of PHBV- and PLA-based films under composting conditions

Lyshtva, Pavlo; Kuusik, Argo; Voronova, Viktoria Sustainability 2025 / art. 8657 <https://doi.org/10.3390/su17198657>

Development of Ti-eggshell composite for bio-implants applications = Ti-munakoore komposiidi väljatöötamine bioimplantaatide rakenduste jaoks

Shukla, Riddhi Hirenkumar 2025 https://www.ester.ee/record=b5730420*est <https://digikogu.taltech.ee/et/Item/e2ae3e2f-5df1-47bb-ac63-a3f64e703685> <https://doi.org/10.23658/taltech.10/2025>

Differential susceptibility of catheter biomaterials to biofilm-associated infections and their remedy by drug-encapsulated eudragit RL100 nanoparticles

Pandey, Vivek Kumar; Srivastava, Kumar Rohit; Ajmal, Gufran; Thakur, Vijay Kumar; Gupta, Vijai Kumar; Upadhyay, Siddh Nath; Mishra, Pradeep Kumar International Journal of Molecular Sciences 2019 / Art. nr. 5110 <https://doi.org/10.3390/ijms20205110> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Doktoritöö: kastanist valmistatud materjal sobib toidupakendiks [Võrguväljaanne]

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

Dye-decolorizing peroxidases from Streptomyces coelicolor show organosolv lignin remodeling activity

Pupart, Hegne; Ojangu, Eve-Ly; Zovo, Kairit; Lukk, Tiit FEBS Open Bio 2021 / p. 63 <https://febs.onlinelibrary.wiley.com/doi/epdf/10.1002/2211-5463.13206> <https://doi.org/10.1002/2211-5463.13206>

Eesti insenerid arendavad haavaspooni, mis võib muuta vineeritööstust

geenius.ee 2025 <https://digi.geenius.ee/blogi/teadus-ja-tulevik/eesti-insenerid-arendavad-haavaspooni-mis-voib-muuta-vineeritoostust/>

Eesti teadlased hakkavad tootma puidust kilode kaupa bioplasti [Võrguväljaanne]

Männi, Marian novaator.err.ee 2022 ["Eesti teadlased hakkavad tootma puidust kilode kaupa bioplasti"](#)

Eesti teadlased sihivad plasti tootmises revolutsiooni [Võrguväljaanne]

aripaev.ee 2022 [Eesti teadlased sihivad plasti tootmises revolutsiooni](#)

Eestil on vaja materjalitehnolooge, kes rohepöörde päriselt ellu viiksid!

Kers, Jaan delfi.ee 2024 <https://arileht.delfi.ee/artikkel/120297193/eestil-on-vaja-materjalitehnolooge-kes-rohepoorde-pariselt-ellu-viiksid>

Effect of laser surface texturing and fabrication methods on tribological properties of Ti6Al4V/HAp biocomposites

Sadlik, Julia; Kosinska, Edyta; Tomala, Agnieszka; Bankosz, Magdalena; Polajnar, Marko; Kumar, Rahul; Kalin, Mitjan; Kravanja, Gaia; Hribar, Luka; Hussainova, Irina Materials 2025 / art.2468 <https://doi.org/10.3390/ma18112468>

Efficient barrier properties of mechanically enhanced agro-extracted cellulosic biocomposites

Qasim, Umair; Fatima, R.; Usman, M. Materials today chemistry 2020 / art. 100378, 8 p. : ill <https://doi.org/10.1016/j.mtchem.2020.100378>

Electrospun materials in triboelectric series

Savest, Natalja; Krasnou, Illia; Krumme, Andres; Dobryden, I.; Hakansson, K.; Edberg, J. Baltic Polymer Symposium, BPS2023 : programme and abstracts 2023 / p. 72 [Baltic Polymer Symposium, BPS2023 : programme and abstracts](#)

Enrichment of Plasticicumulans acidivorans at pilot-scale for PHA production on industrial wastewater

Tamis, Jelmer; Lužkov, Kätlin; Jiang, Yang; Loosdrecht, Mark C.M. van; Kleerebezem, Robbert Journal of biotechnology 2014 / p. 61-169 : ill <https://doi.org/10.1016/j.jbiotec.2014.10.022> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Estonian scientists to produce tons of bioplastic from wood [Võrguväljaanne]

Männi, Marian estonianworld.com 2022 ["Estonian scientists to produce tons of bioplastic from wood"](#)

Guidance Documents for Fire Design of Timber Structures produced in WG2 of COST ACTION FP 1404

Klippel, Michael; Just, Alar Book of abstracts of the final conference COST FP 1404 "Fire Safe Use of Bio-Based Building Products", Zürich, 1st and 2nd October 2018 2018 / p. 57-59 [Fire Safe Use of Bio-Based Building Product](#)

High pressure torsion induced lowering of Young's modulus in high strength TNZT alloy for bio-implant applications

Maity, Tapabrata; Balci, Özge; Gammer, C.; Ivanov, E.; Eckert, Jürgen; Prashanth, Konda Gokuldoss Journal of the mechanical behavior of biomedical materials 2020 / art. 103839, 10 p. : ill <https://doi.org/10.1016/j.jmbbm.2020.103839> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Hybrid metal-ceramic biomaterials fabricated through powder bed fusion and powder metallurgy for improved impact resistance of craniofacial implants

Rahmani Ahranjani, Ramin; Kamboj, Nikhil Kumar; Brojan, Miha; Antonov, Maksim; Prashanth, Konda Gokuldoss Materialia 2022 / art. 101465 <https://doi.org/10.1016/j.mtla.2022.101465> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Ida-Virumaale kerkib “roheline kulla” biotoodete tehas, mille toorainest saab teha nii peenekoelise kleidi kui ka joogitopsi
rohe.geenius.ee 2022 [Ida-Virumaale kerkib “roheline kulla” biotoodete tehas, mille toorainest saab teha nii peenekoelise kleidi kui ka joogitopsi](#)

Impact of alkali and silane treatment on hemp/PLA composites' performance : from micro to macro scale

Alao, Percy Festus; Marrot, Laetitia; Burnard, Michael David; Lavrič, Gregor; **Saarna, Mart**; **Kers, Jaan** Polymers 2021 / art. 851, 18 p. : ill <https://doi.org/10.3390/polym13060851> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Improved fire design models for timber frame assemblies - guidance document COST Action FP1404 : version 1

2018 [Improved fire design models...](#)

In situ production of low-modulus Ti-Nb alloys by selective laser melting and their functional assessment toward orthopedic applications

Singh, Neera; Srikanth, K. P.; Gopal, Vasanth; Rajput, Monika; Manivasagam, Geetha; **Prashanth, Konda Gokuldoss** Journal of Materials Chemistry B 2024 / p. 5982-5993 : ill <https://doi.org/10.1039/D4TB00379A> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Influence of gelation temperature on the properties of sol-gel-derived calcium hydroxyapatite ceramics

Bogdanoviciene, Irma; **Tõnsuaadu, Kaia**; Kareiva, Aivaras Polish journal of chemistry 2009 / p. 47-55 : ill https://www.researchgate.net/publication/287549393_Influence_of_Gelation_Temperature_on_the_Properties_of_Sol-Gel-Derived_Calcium_Hydroxyapatite_Ceramics

Influence of skin effect on current flow through electrodes of electro-surgical instruments and biological tissue

Sydorets, Volodymyr; Dubko, Andrii; Bondarenko, Oleksandr; **Kosenko, Roman** BEC 2016 : 2016 15th Biennial Baltic Electronics Conference : proceedings of the 15th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 3-5, 2016, Tallinn, Estonia 2016 / p. 211-214 : ill http://www.estel.ee/record=b2150914*est

Innovaatiline peepoo köidab lihtsusega : [kommenteerib Rein Munter]

Munter, Rein Horisont 2011 / 1, lk. 3 https://artiklid.elnet.ee/record=b2248942*est

An insight on type I collagen from horse tendon for the manufacture of implantable devices

Salvatore, Luca; Gallo, Nunzia; Aiello, Antonella; Lunetti, Paola; Hasan, Mohammed; **Borovkov, Victor** International journal of biological macromolecules 2020 / p. 291-306 <https://doi.org/10.1016/j.ijbiomac.2020.03.082>

Investigation of efficient alkali treatment and the effect of flame retardant on the mechanical and fire performance of frost-retted hemp fiber reinforced PLA

Alao, Percy Festus; **Press, Raimond**; **Kallakas, Heikko**; Ruponen, Jussi; **Poltimäe, Triinu**; **Kers, Jaan** Polymers 2022 / art. 2280 <https://doi.org/10.3390/polym14112280> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Isolation of cellulose from wheat straw using Alkaline Hydrogen Peroxide and Acidified Sodium Chlorite treatments: comparison of yield and properties

Qasim, Umair; Ali, Zulfiqar; Nazir, Muhammad Shahid Advances in polymer technology 2020 / art. 9765950, 7 p. : ill <https://doi.org/10.1155/2020/9765950>

Joogikõrsi valmistav Sutu leidis pilliroole veelgi nutikama kasutuse – Põhjamaade bambusest tehakse ka sööginõusid ja kosmeetikapakendeid [Võrguväljaanne]

rohe.geenius.ee 2022 [Joogikõrsi valmistav Sutu leidis pilliroole veelgi nutikama kasutuse – Põhjamaade bambusest tehakse ka sööginõusid ja kosmeetikapakendeid](#)

Kas tulevikus võiks toidupakendeid valmistada kastanitest?

Maa Elu 2021 / Lk. 4 https://www.estel.ee/record=b4427409*est

Kas tulevikus võiks toidupakendeid valmistada kastanitest? [Võrguväljaanne]

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

Kasututest munakoortest saaks teha tehislীগeseid

Shukla, Riddhi Hirenkumar novaator.err.ee 2024 [Kasututest munakoortest saaks teha tehislীগeseid](#)

Kolm Eesti ülikooli ja rida ettevõtteid loovad täiesti uusi puidupõhiseid materjale

Kartau, Mari maaleht.delfi.ee 2023 [Kolm Eesti ülikooli ja rida ettevõtteid loovad täiesti uusi puidupõhiseid materjale](#) [Kolm Eesti ülikooli ja rida ettevõtteid loovad täiesti uusi puidupõhiseid materjale](#)

Ligniini – puidutööstuse prügist tulevikumaterjaliks

Vaaks, Eveliis Trialoog 2025 <https://trialoog.taltech.ee/ligniini-puidutööstuse-prugist-tulevikumaterjaliks/>

Lignin valorization via chloromethylation as a versatile approach towards sustainable materials

Mohan, Mahendra Kothottil; Karpichev, Yevgen Baltic Polymer Symposium 2025 : 23d International Scientific Conference BPS 2025 "Baltic Polymer Symposium 2025" : Book of abstracts 2025 / p. 38 <http://woodval.taltech.ee/wp-content/uploads/2025/07/BPS2025-Book-of-abstracts.pdf>

Looduslik alternatiiv mullikilele tuleb Eestist

Pärtel, Karl Eesti Tööstus 2023 / lk. 21-22 https://www.ester.ee/record=b5283062*est

Maaailma suurima prahisaare pindala on Eestist 34 korda suurem. Eestlased panevad Euroopa plastivõitlusele öla alla

Mölder, Henry arielt.delfi.ee 2023 [Maaailma suurima prahisaare pindala on Eestist 34 korda suurem. Eestlased panevad Euroopa plastivõitlusele öla alla](#)

Manufacturing of silicon – Bioactive glass scaffolds by selective laser melting for bone tissue engineering

Rodrigo-Vazquez, C. Sara; **Kamboj, Nikhil Kumar**; Aghayan, Marina; Saez, Ada; De Aza, Antonio de; Rodriguez, Miguel Angel; **Hussainova, Irina** Ceramics international 2020 / p. 26936-26944 : ill <https://doi.org/10.1016/j.ceramint.2020.07.171> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Mechanical behavior of Ti6Al4V scaffolds filled with CaSiO3 for implant applications

Rahmani Ahranjani, Ramin; Antonov, Maksim; Kollo, Lauri; Holovenko, Yaroslav; Prashanth, Konda Gokuldoss Applied sciences 2019 / art. 3844, 11 p. : ill <https://doi.org/10.3390/app9183844> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Miks puidu rafineerimise teine tulek võiks ja peaks õnnestuma?

Kers, Jaan Äripäev 2021 / Lk. 18 : ill https://www.ester.ee/record=b2952033*est

Mullikile asendamiseks "puidust vedrusid" tootev idufirma kaasas pea 9 miljonit eurot

Änilane, Eleen digipro.geenius.ee 2022 [Mullikile asendamiseks...](#)

Natural weathering of bio-based façade materials

Alao, Percy Festus; Visnapuu, Kevin; Kallakas, Heikko; Poltimäe, Triinu; Kers, Jaan Forests 2020 / art. 642, 12 p. : ill <https://doi.org/10.3390/f11060642> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

New carbon construction materials from self-binding biomass plastics

Zandersons, J.; **Kallavus, Urve** Proceedings of the 1st International Congress on Biomass for Metal Production Electricity Generation : Belo Horizonte, Brazil, 2001 2001 / p. 22-24

Nitriding of the CoCr alloy substrate as the method for improving of the performance of promising biocoatings for hip replacement

Ortega Saenz, Javier Alonso; **Antonov, Maksim**; Michalczewski, Remigiusz 18th International Baltic Conference : Engineering Materials & Tribology : BALTMATRIB-2009 : October 22-23, 2009, Tallinn, Estonia : abstracts 2009 / p. 44

Nonlinear comparative optimization for biomaterials wear in artificial implant technology

Casesnoves, Francisco Materials science and applied chemistry II : 59th International Scientific Conference of Riga Technical University (RTU), Section of Materials Science and Applied Chemistry - MSAC 2018 2019 / p. 52-59 <https://doi.org/10.4028/www.scientific.net/KEM.800.52> [Conference proceeding at Scopus](#) [Article at Scopus](#)

An assessment of attitudes towards plastics and bioplastics in Europe

Filho, Walter Leal; Salvia, Amanda Lange; Bonoli, Alessandra; Saari, Ulla A.; **Voronova, Viktoria; Klõga, Marija** The science of the total environment 2021 / art. 142732, 10 p. : ill <https://doi.org/10.1016/j.scitotenv.2020.142732> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Omapärasest materjalist sisustust tootev Eesti ettevõtte osaleb Berliini Disaininädalal [Võrguväljaanne]

Mets, Anna-Liisa geenius.ee 2022 [Omapärasest materjalist sisustust tootev Eesti ettevõtte osaleb Berliini Disaininädalal](#)

Optimization of wheat-straw-extracted cellulose via response surface methodology and mechanical properties of its poly(lactide)-based biocomposites

Qasim, Umair; Ali, Muzaffar; Usman, Muhammad Polymer composites 2020 / p. 5355–5364 <https://doi.org/10.1002/pc.25799>

OÜ Sutut asub tootma miljoneid joogikõrvi aastas [Võrguväljaanne]

Metsmaa, Monika postimees.ee 2021 ["OÜ Sutut asub tootma miljoneid joogikõrvi aastas"](#)

Pakendisaaste on tohutu probleem: Eesti ettevõtte RAIKU on leidnud mullikilele loodusliku alternatiivi

ari.geenius.ee 2023 [Pakendisaaste on tohutu probleem: Eesti ettevõtte RAIKU on leidnud mullikilele loodusliku alternatiivi](#)

Peep Pitk: läbipaistvus tootmises ja tarneahelates peab saama normiks

Pitk, Peep delfi.ee 2024 [Peep Pitk: läbipaistvus tootmises ja tarneahelates peab saama normiks](#)

Phase formation, microstructure and mechanical properties of Mg₆₇Ag₃₃ as potential biomaterial

Kosiba, Konrad; **Prashanth, Konda Gokuldoss**; Scudino, Sergio Metals 2021 / art. 461, 10 p. : ill

<https://doi.org/10.3390/met11030461> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Preparation of thermoplastic cellulose esters in [mTBNH][OAC] ionic liquid by transesterification reaction

Tarasova, Elvira; Savale, Nutan Bharat; Krasnou, Illia; Kudrjašova, Marina; Rjabovs, Vitalijs; Reile, Indrek; Vares, Lauri;

Kallakas, Heikko; Kers, Jaan; **Krumme, Andres** Polymers 2023 / art. 3979 <https://doi.org/10.3390/polym15193979> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Revolutsiooniline materjalitehnoloogia muudab maailma paremaks ja keskkonnasäästlikumaks

arileht.delfi.ee 2023 [Revolutsiooniline materjalitehnoloogia muudab maailma paremaks ja keskkonnasäästlikumaks](#)

Riik andis tudengitele toetuse moodulitest põhumajade ehitamise uurimiseks

Bioneer.ee 2023 [Riik andis tudengitele toetuse moodulitest põhumajade ehitamise uurimiseks](#)

Rohepööre eraisiku vaates – kust oodata häid uudiseid, et muuta oma tarbimine rohelisemaks?

rohe.geenius.ee 2023 [Rohepööre eraisiku vaates – kust oodata häid uudiseid, et muuta oma tarbimine rohelisemaks?](#)

Selective laser melting and spark plasma sintering: a perspective on functional biomaterials

Rahmani Ahranjani, Ramin; Lopes, Sergio Ivan; **Prashanth, Konda Gokuldoss** Journal of functional biomaterials 2023 / art. 521, 33

p. : ill <https://doi.org/10.3390/jfb14100521> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Selective laser melting of high-strength, low-modulus Ti–35Nb–7Zr–5Ta alloy

Ummethala, Raghunandan; Karamched, Phani S.; Rathinavelu, Sokkalingam; Singh, Neera; Aggarwal, Akash; Sun, Kang; Ivanov, Eugene; **Kollo, Lauri**; Okulov, Ilya; Eckert, Jürgen; **Prashanth, Konda Gokuldoss** Materialia 2020 / art. 100941

<https://doi.org/10.1016/j.mtla.2020.100941> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Selective laser sintered bio-inspired silicon-wollastonite scaffolds for bone tissue engineering

Kamboj, Nikhil Kumar; Kazantseva, Jekaterina; Rahmani Ahranjani, Ramin; Rodriguez, Miguel Angel; **Hussainova, Irina** Materials

Science and Engineering : C 2020 / art. 111223 <https://doi.org/10.1016/j.msec.2020.111223>

Separation and characterization of soluble and insoluble phases from cellulose laurate (cl) for bioplastic coating applications

Ebber, Laura Baltic Polymer Symposium 2025 : 23d International Scientific Conference BPS 2025“Baltic Polymer Symposium

2025” : Book of abstracts 2025 / p. 66 <http://woodval.taltech.ee/wp-content/uploads/2025/07/BPS2025-Book-of-abstracts.pdf>

Studies of the modified bagasse plastics carbonization and a feasibility to produce carbon construction materials

Zandersons, J.; Kokorevics, A.; Gravitis, J.; **Kallavus, Urve**; Suzuki, C.K. UNU/IAS Working paper 2000 / p. 54

Synthesis of thermoplastic cellulose esters in novel ionic liquid

Savale, Nutan Bharat; Tarasova, Elvira; Krasnou, Illia; Kudrjašova, Marina; Reile, Indrek; **Krumme, Andres** Baltic Polymer

Symposium, BPS2023 : programme and abstracts 2023 / p. 14

TalTechi kaasprofessor: Eestil on plastimure lahendamiseks oma suur võimalus [Võrguväljaanne]

Krumme, Andres aripaev.ee 2022 [TalTechi kaasprofessor: Eestil on plastimure lahendamiseks oma suur võimalus](#)

TalTechi professor: Eesti puidukeemia areng takerdub

Kelt, Toomas aripaev.ee 2025 <https://www.aripaev.ee/saated/2025/07/02/taltech-i-professor-eesti-puidukeemia-areng-takerdub>

Teadlane soovitab: milliseid looduslikke viimistlusmaterjale võiks värvi ja tapeedi asemel kasutada?

Traks, Kristina postimees.ee 2023 <https://teadus.postimees.ee/7711547/teadlane-soovitab-milliseid-looduslikke-viimistlusmaterjale-voiks-varvi-ja-tapeedi-ase-mel-kasutada>

Teadlane vastab: mis saab prügikasti visatud kohvitopsist? [Võrguväljaanne]

Krumme, Andres novaator.err.ee 2021 ["Teadlane vastab: mis saab prügikasti visatud kohvitopsist?"](#)

Tehnikaülikooli laborisse saabus seade läbi akna

postimees.ee 2023 [TalTechi uus 1,5-tonnine seade tõsteti hoonesse läbi akna](#) [Tehnikaülikooli laborisse saabus seade läbi akna](#)

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Saluorg, Jane err.ee 2022 [TTÜ teadlased katsetavad puidust bioplasti tootmise tehnoloogiaid](#)

Tuning ester derivatives of organosolv vs technical lignin for improved thermoplastic materials

Mohan, Mahendra Kothottil; Ho, Thi Thuy Tran; Köster, Carmen; Järvik, Oliver; Kulp, Maria; Karpichev, Yevgen Faraday

Discussions 2025 <https://doi.org/10.1039/d5fd00068h>

Uuendusliku tehnoloogiaga jätkusuutlikuma toidu-ja kosmeetikatööstuse poole

Aunap, Sigrid Eesti Päevaleht 2023

Vahemere piirkonna kastanist tehtud kilest saab hea toidupakendi

Mente et Manu 2021 / lk. 10 : fot https://www.ester.ee/record=b1242496*est

Valmis mõne minutiga : Eesti teadlased hakkavad puidust plastmassi tootma [Võrguväljaanne]

rohe.geenius.ee 2022 [Valmis mõne minutiga: Eesti teadlased hakkavad puidust plastmassi tootma](#)

Ülemiste keskuse roheasfalt: esimene eksperiment õnnestus, nüüd tuleb isegi tähtsam katse = «Зеленый асфальт» центра Ülemiste: первый эксперимент удался

goodnews.ee 2023 [Ülemiste keskuse roheasfalt: esimene eksperiment õnnestus, nüüd tuleb isegi tähtsam katse «Зеленый асфальт» центра Ülemiste: первый эксперимент удался](#)

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Männi, Marian rus.err.ee 2022 ["В ТТУ активно совершенствуют технологию производства биопластика из целлюлозы"](#)

Определение ртути в биологических материалах

Ott, Roman; Kask, Karl; Vellend, Endla Технология пищевых производств. 4 1974 / с. 115-118

https://www.ester.ee/record=b1475977*est <https://digikogu.taltech.ee/et/Item/b0fe0497-582f-4507-9281-6ad4d1a574e3>

Ученые ТТУ совместно с VKG экспериментируют с технологией производства биопластика из древесины

Saluorg, Jane rus.err.ee 2022 [Ученые ТТУ совместно с VKG экспериментируют с технологией производства биопластика из древесины](#)