

Assessing the potential of furan polymer-based resin development in bonded veneer processing factors on adhesive bond strength

Matsi, Mikk; Rohumaa, Anti; Piirlaid, Marko; Hughes, Mark; **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. 193

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Matsi, Mikk; Piirlaid, Marko; Meier, Pille; Rohumaa, Anti; Hughes, Mark Baltic Polymer Symposium 2010 : Palanga, September 8-11, 2010 : programme and abstracts 2010 / p. 54 <https://wsenetwork.org/assessing-the-potential-of-furan-polymer-based-resin-development-in-bonded-veneer-processing-factors-on-adhesive-bond-strength/>

Color change of wood species under light radiation

Rohumaa, Anti; Süld, Tiia-Maaja; Kaps, Tiit Stambiamolekuliu junginiu chemija ir technologija = Polymer chemistry and technology : tarptautines konferencijos pranešimu medžiaga 1998 / p. 82-88: ill

Colorimetric study of colour stability of untreated and dyed wood

Süld, Tiia-Maaja; Rohumaa, Anti; Kaps, Tiit 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 147

Determination of the susceptibility to discoloration and inactivation of dried birch veneer

Rohumaa, Anti; Süld, Tiia-Maaja; Kaps, Tiit Proceedings of Baltic Polymer Symposium 2001 : Oct. 11-12 in Tallinn 2001 / p. 249-251

Effect of birch veneer processing factors on adhesive bond shear strength

Piirlaid, Marko; Matsi, M.; Kers, Jaan; Rohumaa, Anti; Meier, Pille Proceedings of the 8th International Conference of DAAAM Baltic Industrial Engineering, 19-21st April 2012, Tallinn, Estonia. 2 2012 / p. 705-710 : ill

Effect of birch veneer processing factors on adhesive bond strength development

Piirlaid, Marko; Meier, Pille; Rohumaa, Anti; Hughes, Mark; **Matsi, Mikk** Baltic Polymer Symposium 2010 : Palanga, September 8-11, 2010 : programme and abstracts 2010 / p. 54

Effect of birch veneer processing factors on adhesive bond strength development

Piirlaid, Marko; Rohumaa, Anti; Matsi, Mikk; Hughes, Mark; 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. 192

Effect of different hardwood species and lay-up schemes on the mechanical properties of plywood

Kallakas, Heikko; Rohumaa, Anti; Vahermets, Harti; Kers, Jaan Forests 2020 / art. 649, 13 p. : ill <https://doi.org/10.3390/f11060649> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The effect of hardwood veneer densification on plywood density, surface hardness, and screw withdrawal capacity

Kallakas, Heikko; Kallakas, Heikko; Akkurt, Tolgay; Akkurt, Tolgay; Scharf, Alexander; Scharf, Alexander; **Mühls, Fred; Mühls, Fred;** Rohumaa, Anti; Rohumaa, Anti; **Kers, Jaan; Kers, Jaan** Forests 2024 / art. 1275 <https://doi.org/10.3390/f15071275> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effect of lignin on veneer densification and set-recovery

Kilumets, Catherine; Kallakas, Heikko; Ralph, Sally; Zhu, J. Y.; Hunt, Christopher Glaab; **Rohumaa, Anti; Kers, Jaan** Construction and building materials 2024 / art. 138795 <https://doi.org/10.1016/j.conbuildmat.2024.138795> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The effect of surface properties on bond strength of birch, black alder, grey alder and aspen veneers

Rohumaa, Anti; Kallakas, Heikko; Mäetalu, Marja; Savest, Natalja; Kers, Jaan International Journal of Adhesion and Adhesives 2021 / art. 102945 <https://doi.org/10.1016/j.ijadhadh.2021.102945> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effective Wood Veneer Densification by Optimizing Key Parameters : Temperature, Equilibrium Moisture Content, and Pressure

Akkurt, Tolgay; Rohumaa, Anti; Kers, Jaan Forests 2025 / 14 p. : ill <https://doi.org/10.3390/f16060969>

Enhancing the bending strength, load-carrying capacity and material efficiency of aspen and black alder plywood through thermo-mechanical densification of face veneers

Akkurt, Tolgay; Rohumaa, Anti; Kallakas, Heikko; Scharf, Alexander; **Kers, Jaan** Construction and building materials 2024 / art. 138555 <https://doi.org/10.1016/j.conbuildmat.2024.138555> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Fiber-reinforced plywood: Increased performance with less raw material

Saal, Kristjan; Kallakas, Heikko; Tuhkanen, Eero; Just, Alar; Rohumaa, Anti; Kers, Jaan; Kalamees, Targo; Lõhmus, Rünno Materials 2024 / art. 3218 <https://doi.org/10.3390/ma17133218> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)

Impact of aspen and black alder substitution in birch plywood

Akkurt, Tolgay; Kallakas, Heikko; Rohumaa, Anti; Hunt, Christopher Glaab; **Kers, Jaan** Forests 2022 / art. 142

<https://doi.org/10.3390/f13020142>

Impact of laser fading on physico-mechanical properties and fibre morphology of multicomponent denim fabrics

Mandre, Nele; Plamus, Tiia; Linder, Angelika; Krumme, Andres; Rohumaa, Anti Proceedings of the Estonian Academy of Sciences 2023 / p. 145-153 <https://doi.org/10.3176/proc.2023.2.05> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Influence of UV-absorbers to color change of wood-coating systems

Rohumaa, Anti; Süld, Tiia-Maaja; Kaps, Tiit Stambiamolekuli junginiu chemija ir technologija = Polymer chemistry and technology : konferencijos pranešimu medžiaga 1999 / p. 67-72: ill

Kuivatusparameetrite mõju spooni valgustundlikkusele

Rohumaa, Anti; Süld, Tiia-Maaja; Kaps, Tiit XXVI Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 26th Estonian Chemistry Days : abstracts of scientific conference 2000 / lk. 126-127

Light sensibility of coated wood species

Rohumaa, Anti; Süld, Tiia-Maaja; Kaps, Tiit 24th Estonian Chemistry Days : abstracts of scientific conference 1998 / p. 63

Liimaosolosuhteiden vaikutus lamellihirren liimasauman ominaisuuksiin

Pelkonen, Terja; **Rohumaa, Anti;** Honkanen, Jukka; Pulkkinen, Petri; Kairi, Matti; Paajanen, Tero 2001

Multiple swelling of pinewood (Pinus Sylvestris) in binary and ternary mixtures of ethanol, acetone and water

Meier, Pille; Kallavus, Urve; Rohumaa, Anti; Kaps, Tiit Materials science = Medžiagotyra 2006 / 1, p. 25-30 : ill

<https://matssc.ktu.lt/index.php/MatSc/article/view/26397>

Naturaal- ja värvitud puidu valguskindluse uurimine kolorimeetrilisel meetodil

Süld, Tiia-Maaja; Rohumaa, Anti; Kaps, Tiit XXIII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid 1997 / lk. 135

Prefab light clay-timber elements for net zero whole-life carbon buildings

Päätaalo, Juha; **Alao, Percy Festus; Rohumaa, Anti; Kers, Jaan; Liblik, Johanna; Lylykangas, Kimmo Sakari** Journal of sustainable architecture and civil engineering 2024 / p. 89-100 <https://doi.org/10.5755/j01.sace.34.1.35561> [Journal metrics at Scopus](#) [Article at Scopus](#)

Prefab light clay-timber elements for net zero whole-life carbon buildings : [conference paper]

Päätaalo, Juha; **Kers, Jaan; Rohumaa, Anti; Alao, Percy Festus; Liblik, Johanna; Lylykangas, Kimmo Sakari** 5th International Conference Forum Wood Building Baltic : 26-28 February 2024, Tallinn, Estonia : proceedings 2024 / p. 124-125 : ill
<https://digikogu.taltech.ee/et/Item/22318c67-e0ef-42f1-88c7-34c9d9677b17> https://www.ester.ee/record=b5668645*est

Puhdas puupinta

Paajanen, Olli; **Rohumaa, Anti;** Harju, Anni; Takkunen, Juha; Seppä, Julia; Pasanen, Pertti; Vainio-Kaila, Tiina; Venäläinen, Martti Metsä, ympäristö ja energia : soveltavaa tutkimusta ja tuotekehitystä : vuosijulkaisu 2020 / p. 190-199
<https://www.theseus.fi/bitstream/handle/10024/355599/URNISBN9789523442955.pdf?sequence=2>

The effect of artificial solar light on wood and coatings on wood surface

Rohumaa, Anti; Koponen, Hannu; **Kaps, Tiit** 1999 https://www.ester.ee/record=b1247117*est

The effect of birch (Betula pendula Roth) face veneer thickness on the reaction to fire properties of fire-retardant treated plywood

Alao, Percy Festus; Dembovski, Karl Harold; Rohumaa, Anti; Ruponen, Jussi; **Kers, Jaan** Construction and building materials 2024 / art. 136242 <https://doi.org/10.1016/j.conbuildmat.2024.136242> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The effect of drying and artificial solar light on wood surface

Süld, Tiia-Maaja; Rohumaa, Anti Polimeru chemija, fizika ir technologija = Polymer chemistry, physics and technology : konferencijos pranešimu medžiaga 2000 / p. 17-22 : ill

The effect of surface treatment on the antibacterial properties of wood and the possibility to detect the antibacteriality with fluorescence method

Vainio-Kaila, Tiina; Harju, Anni; **Rohumaa, Anti;** Paajanen, Olli; Venäläinen, Martti; Seppä, Julia; Veijalainen Anna-Maria; Pasanen, Pertti Forests 2023 / art. 23, 13 p. : ill <https://doi.org/10.3390/f14010023>

Valorizing low-quality wood species into innovative multilayer engineered wood products = Madalakvaliteediliste

puiduliikide puidu väärimine innovatiivseteks kihilisteks inseneripuittoodeteks

Akkurt, Tolgay 2025 https://www.ester.ee/record=b5757106*est <https://digikogu.taltech.ee/et/Item/8f72385d-d8f0-40eb-b21f-f41170872c8e>
<https://doi.org/10.23658/taltech.58/2025>

Viimistlusmaterjali mõju puidu vanandamisele

Rohumaa, Anti; Süld, Tiia-Maaja; Kaps, Tiit XXV Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 25th Estonian Chemistry Days : abstracts of scientific conference 1999 / lk. 152-153