

Abiotic factors controlling the cyanobacterial bloom occurrence in the Gulf of Finland

Lips, Inga 2005 <http://dspace.ut.ee/handle/10062/940>

Acidification by nitrogen metabolism triggers extracellular biopolymer production in an oleaginous yeast

Sepulveda Del Rio Hamacek, Henrique; Tingajeva, Oksana; Ostertag, Katharina; Rekena, Alina; Illarionov, Aleksandr; Jõul, Piia; Monteiro de Oliveira, Paola; de la Caridad Martin-Hernandez, Giselle; Müller, Bettina; Bonturi, Nemailla; Passoth, Volkmar; Lahtvee, Petri-Jaan; Kumar, R. Applied and environmental microbiology 2025 / rt. e00947-25, 23 p
<https://doi.org/10.1128/aem.00947-25> <https://journals.asm.org/doi/10.1128/aem.00947-25>

Advancement in valorization technologies to improve utilization of bio-based waste in bioeconomy context

Usmani, Zeba; Sharma, Minaxi; Karpichev, Yevgen Renewable and sustainable energy reviews 2020 / art. 109965, 16 p. : ill
<https://doi.org/10.1016/j.rser.2020.109965> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Advances in nanomaterials induced biohydrogen production using waste biomass

Srivastava, Neha; Srivastava, Manish; Mishra, Pradeep Kumar; Kausar, Mohd Adnan; Saeed, Mohd; Gupta, Vijai Kumar; Singh, Rajeev; Ramteke, Pramod Wasudeo Bioresource Technology 2020 / art. 123094 <https://doi.org/10.1016/j.biortech.2020.123094> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Ameliorating effect of nitrate on nitrite inhibition for denitrifying P-accumulating organisms

Zekker, Ivar; Mandel, Anni; Rikmann, Ergo; Jaagura, Madis; Salmar, Siim; Ghangrekar, Makarand Madhao; Tenno, Taavo Science of the total environment 2021 / art. 149133, 10 p. : ill <https://doi.org/10.1016/j.scitotenv.2021.149133> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Anammox enrichment from reject water on blank biofilm carriers and carriers containing nitrifying biomass : operation of two moving bed biofilm reactors (MBBR)

Zekker, Ivar; Rikmann, Ergo; Tenno, Toomas; Lemmiksoo, Vallo; Menert, Anne; Loorits, Liis; Vabamäe, Priit; Tomingas, Martin; Tenno, Taavo Biodegradation 2012 / p. 547-560 : ill
https://www.researchgate.net/publication/221811952_Anammox_enrichment_from_reject_water_on_blank_biofilm_carriers_and_carriers_containing_nitrifying_biomass_Operation_of_two_moving_bed_biofilm_reactors_MBBR

ANAMMOX-denitrification biomass in microbial fuel cell to enhance the electricity generation and nitrogen removal efficiency

Zekker, Ivar; Bhowmick, Gourav Dhar; Priks, Hans; Nath, Dibyojyoty; Rikmann, Ergo; Jaagura, Madis Biodegradation 2020 / p. 249 - 264 <https://doi.org/10.1007/s10532-020-09907-w> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Anthropogenic impact on a seacoast landscape during the last 1300 years in central Latvia, Northeastern Europe

Stivrinš, Normunds; Doniņa, Inga; Auns, Muntis; Blaus, Ansis; Liiv, Merlin; Steinberga, Dace; Jasiunas, Nauris; Grudzinska, Ieva Geoarchaeology 2023 / p. 466-481 : ill <https://doi.org/10.1002/gea.21961> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Antti Roose: väärimise vastuolud uues energeetikas [Võrguväljaanne]

Roose, Antti postimees.ee 2021 ["Antti Roose: väärimise vastuolud uues energeetikas"](https://postimees.ee/antti-roose-vaarindamise-vastuolud-uues-energeetikas)

Ash fusion characteristics of the blends of reed and wood ashes [Electronic resource]

Link, Siim; Kask, Ülo; Lausmaa, Toomas; Paist, Aadu; Kask, Livia; Arvelakis, Stelios Proceedings of the 20th European Biomass Conference and Exhibition 2012 / p. 1316-1319 [DVD]
https://www.researchgate.net/publication/318987145_Ash_Fusion_Characteristics_of_the_Blends_of_Reed_and_Wood_Ashes

Ash melting behaviour of reed and woody fuels blends

Link, Siim; Yrjäs, Patrik; Lindberg, Daniel; Trikkel, Andres; Mikli, Valdek Fuel 2022 / art. 123051
<https://doi.org/10.1016/j.fuel.2021.123051> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Ash melting behaviour of wheat straw blends with wood and reed

Link, Siim; Yrjäs, Patrik; Hupa, Leena Renewable Energy 2018 / p. 11-20 : ill <https://doi.org/10.1016/j.renene.2017.09.050> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Atmospheric fluidized bed gasification of untreated and leached olive residue, and co-gasification of olive residue, reed, pine pellets and Douglas fir wood chips

Link, Siim; Arvelakis, Stelios; Paist, Aadu; Martin, Andrew; Liliedahl, Truls; Sjöström, Krister Applied energy 2012 / p. 89-97 : ill

ATP-meetod mikroobse biomassi kiireks määramiseks ja selle kasutamine hügieeni testimisel toiduainetetööstuses

Kahru, Anne; Kurvet, Madis; Külm, I. EMS 96 teaduskonverents, 6.-7. juuni 1996, Tallinn = EMS 96 Scientific Conference, 6-7 June 1996, Tallinn 1996 / poster 17

Balmorel open source energy system model

Wiese, Frauke; Bramstoft, Rasmus; Koduver, Hardi; Pizarro Alonso, Amalia Energy strategy reviews 2018 / p. 26-34 : ill

Bioenergy yields from sequential bioethanol and biomethane production: An optimized process flow

Rocha-Meneses, Lisandra; **Otor, Oghenetejiri Frances; Bonturi, Nemailla**; Orupöld, Kaja; Kikas, Timo Sustainability 2020 / art. 272 <https://doi.org/10.3390/su12010272> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Biokütus ja jäätmed

Tiikma, Toomas Keskkonnatehnika 2003 / 5, lk. 36-39 https://artiklid.elnet.ee/record=b1014019*est

Biomass - biokütus - bioenergia - puitkütus

Muiste, Peeter; **Kask, Ülo** Taastuvate energiaallikate uurimine ja kasutamine : esimese konverentsi kogumik : [4. november 1999, Tartu] = Investigation and Usage of Renewable Energy Sources : first conference proceedings : [4 November 1999, Tartu] 2000 / lk. 60-65

Biomass derived fibers as a substitute to synthetic fibers in polymer composites

Qasim, Umair; Ali, Muzaffar; Ali, Touqeer; Iqbal, Rameez; Jamil, Farrukh ChemBioEng Reviews 2020 / p. 193-215 <https://doi.org/10.1002/cben.202000002>

Biomass kogub ja annab energiat : [selgitab Ülo Kask]

Kask, Ülo; Raudla, Heiki Maamajandus 2004 / 5, lk. 20-21 https://artiklid.elnet.ee/record=b1046020*est

Biomass-derived graphene-like catalyst material for oxygen reduction reaction

Kaare, Kätlin; Yu, Eric; Käämbre, Tanel; Volperts, Aleksandrs; Dobeles, Galina; Zhurinsk, Aivars; Niaura, Gediminas; Tamasauskaitė-Tamasiunaite, Loreta; Norkus, Eugenijus; Kruusenberg, Ivar ChemNanoMat 2021 <https://doi.org/10.1002/cnma.202000615>

Biomassi baasil koostootmine - probleemid ja võimalused

Soosaar, Sulev; Vares, Villu Taastuvate energiaallikate uurimine ja kasutamine : neljanda konverentsi kogumik = Investigation and usage of renewable energy sources : fourth conference proceedings : Tartu, Estonia, 2003 2003 / lk. 9-16

Biomassi energeetika. Biokütuste kasutamise mõjust

Eesti Turvas 1999 / lk. 20-21

Biomassi energeetilise kasutamise võimalused Eestis

Paist, Aadu; Poobus, Arvi; Reiska, Rein 1992 https://www.ester.ee/record=b1619299*est

Biomassi gaasistamine ja elektri tootmine generaatorigaasiga

Link, Siim Keskkonnatehnika 2006 / 6, lk. 17-21 : ill https://artiklid.elnet.ee/record=b1019553*est

Biomassi gaasistamine ja saadava gaasi kasutamine

Link, Siim; Kask, Ülo Ehituskaar 2004 / 2, lk. 16-18 : ill

Biomassi ja põlevkivide ekstraktsioon superkriitilise veaga

Palu, Vilja; Kruusement, Kristjan; Veski, Rein XXIX Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 29th Estonian Chemistry Days : abstracts of scientific conference 2005 / lk. 77

Biomassi kasutamisel põhinevad elektri ja soojuste koostootmise tehnoloogiad ja seadmed

Kask, Ülo Elektriala 2016 / lk. 18-20 : fot https://artiklid.elnet.ee/record=b2757975*est

Biomassi pürolüüsitorvade (õlide) lenduvus

Oja, Vahur; Hajaligol, Mohammad R. XXVI Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 26th Estonian Chemistry Days : abstracts of scientific conference 2000 / lk. 96

Biopower fluidizer for autonomous providing energy for agricultural enterprise

Lypnyskyy, Volodymyr 10th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology II : Pärnu, Estonia, January 10-15, 2011 2011 / p. 95-99 : ill

Bioprocessing of waste biomass for sustainable product development and minimizing environmental impact

Usmani, Zeba; Sharma, Minaxi; Awasthi, Abhishek Kumar; Sivakumar, Nallusamy; **Lukk, Tiit** Bioresource technology 2021 / art. 124548, 12 p. : ill <https://doi.org/10.1016/j.biortech.2020.124548> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Bioprospecting microalgae from natural algal bloom for sustainable biomass and biodiesel production

Pandey, Manish K.; Dasgupta, Chitralekha Nag; Mishra, Shashank; Srivastava, Manish; **Gupta, Vijai Kumar**; Suseela, M.R.; Ramteke, Pramod Wasudeo Applied Microbiology and Biotechnology 2019 / p. 5447 - 5458 <https://doi.org/10.1007/s00253-019-09856-2> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Bottom-up and top-down forces structuring consumer communities in an experimental grassland

Rzanny, Michael; **Kuu, Anneli**; Voigt, Winfried Oikos 2013 / p. 967 - 976 <https://doi.org/10.1111/j.1600-0706.2012.00114.x> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Capillary electrophoresis versus HPLC analysis method used for analyzing sugars and sugar derivatives in ionic liquid media obtained from lignocellulosic biomass

Hyvärinen, S.; Mikkola, J.-P.; Murzin, D. Yu.; **Vaher, Merike; Kaljurand, Mihkel; Koel, Mihkel** Book of abstracts : COST Action CM0903: Utilization of Biomass for Sustainable Fuels and Chemicals (UBIOCHEM) : Thessaloniki, Greece, 1-3 Nov 2012 2012 / p. 16

Capillary electrophoretic monitoring of hydrothermal pre-treatment and enzymatic hydrolysis of willow : comparison with HPLC and NMR

Vaher, Merike; Helmja, Kati; Käsper, Andres; Kurašin, Mihhail; Väljamäe, Priit; **Kudrjašova, Marina; Koel, Mihkel; Kaljurand, Mihkel** Catalysis today 2012 / p. 34-41 : ill

Carbon materials obtained from self-binding sugar cane bagasse and deciduous wood residues plastics

Zandersons, J.; Gravitis, J.; Zhurinsk, A.; Kokorevics, A.; **Kallavus, Urve**; Suzuki, C.K. Biomass and bioenergy 2004 / 4, p. 345-360 : ill https://www.fem.unicamp.br/~liqcojts/publications/paper_files/BiomBioe2004v26-4p345-360_Zandersons.pdf

Case study comparison of bubbling fluidised bed and grate-fired biomass combined heat and power plants

Rummel, Leo; Paist, Aadu Chemical engineering transactions 2016 / p. 1147-1152 : ill <https://doi.org/10.3303/CET1652192> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Catalytic conversion of recalcitrant glycopolymers : investigation of saccharification and isomerisation in ionic liquids = Tõrksate glükopolümeeride katalüütiline konversioon : sahharifikatsiooni ja isomerisatsiooni uurimine ioonsetes vedelikes

Kontson, Tiina 2021 https://www.ester.ee/record=b5473795*est <https://digikogu.taltech.ee/et/Item/afdb8f5d-41a6-4bfb-9a66-05653b60c076> <https://doi.org/10.23658/taltech.63/2021>

Catalytic effect of oil shale ash on CO2 gasification of leached wheat straw and reed chars

Link, Siim; Tran, Khanh-Quang; Bach, Quang-Vu; Yrjas, Patrik; **Rosin, Argo** Energy 2018 / p. 906-913 <https://doi.org/10.1016/j.energy.2018.04.013> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Cellulose in choline chloride-based deep eutectic solvents : dissolution, regeneration, and acetylation

Brus, Gretel; Tarasova, Elvira; Krumme, Andres Baltic Polymer Symposium 2025 : 23d International Scientific Conference BPS 2025 "Baltic Polymer Symposium 2025" : Book of abstracts 2025 / p. 61 <http://woodval.taltech.ee/wp-content/uploads/2025/07/BPS2025-Book-of-abstracts.pdf>

Challenges and strategies for bio-based and biodegradable plastic waste management in Europe

Stasiškienė, Žaneta; Barbir, Jelena; Draudvilienė, Lina; Chong, Zhi Kai; Kuchta, Kerstin; **Voronova, Viktoria**; Leal Filho, Walter Sustainability (Switzerland) 2022 / art. 16476 <https://doi.org/10.3390/su142416476> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Characteristics of flame at burning on grate

Veski, Ants; Paist, Aadu; Tiikma, Toomas; Borovikov, Vitali Proceedings of 2nd World Conference on Biomass for Energy, Industry and Climate Protection : 10-14 May 2004, Rome 2004 / p. 1326-1329

Characterization of ash melting of reed and wheat straw blend

Link, Siim; Yrjas, Patrik; Lindberg, Daniel; **Trikkell, Andres** ACS omega 2022 / p. 2137-2146 : ill <https://doi.org/10.1021/acsomega.1c05087> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Characterization of bacterial dye-decolorizing peroxidases = Bakteriaalsete värvi pleegitavate peroksüdaaside iseloomustamine

Pupart, Hegne 2024 https://www.ester.ee/record=b5713840*est <https://digikogu.taltech.ee/et/Item/d40055e9-2600-4e49-8aec-3f561267772e> <https://doi.org/10.23658/taltech.72/2024>

Characterization of different wood species as potential feedstocks for gasification

Sulg, Mari; Konist, Alar; Järvik, Oliver Agronomy research 2021 / p. 276-299 <https://doi.org/10.15159/AR.21.005> [Journal metrics at Scopus](#) [Article at Scopus](#)

Characterization of organosolv lignins and their application in the preparation of aerogels

Jõul, Piia; Ho, Thi Thuy Tran; Kallavus, Urve; Konist, Alar; Leiman, Kristiina; Salm, Olivia-Stella; Kulp, Maria; Koel, Mihkel; Lukk, Tiit Materials 2022 / art. 2861 <https://doi.org/10.3390/ma15082861> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Chloromethylation of lignin as a route to functional material with catalytic properties in cross-coupling and click reactions

Mohan, Mahendra Kothottil; Silenko, Oleg; Krasnou, Illia; Volobujeva, Olga; Kulp, Maria; Ošeka, Maksim; Lukk, Tiit; Karpichev, Yevgen ChemSusChem 2024 / art. e202301588 <https://doi.org/10.1002/cssc.202301588> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Chloromethylation of lignin as a route to functional material with catalytic properties in cross-coupling and click reactions : preprint

Mohan, Mahendra Kothottil; Silenko, Oleg; Krasnou, Illia; Volobujeva, Olga; Kulp, Maria; Ošeka, Maksim; Lukk, Tiit; Karpichev, Yevgen ChemRxiv 2023 / 20 p <https://doi.org/10.26434/chemrxiv-2023-w98xc>

Co-conversion of Salix biomass and oil shale in the medium of supercritical water

Luik, Hans; Palu, Vilja; Tamvelius, Hindrek; Luik, Lea; Sokolova, Julia 16th European Biomass Conference & Exhibition : from Research to Industry and Markets : proceedings of the International Conference held in Valencia, Spain, 2-6 June 2008 2008 / p. 2007-2009

Co-gasification of biomass and oil shale under CO₂ atmosphere : comparative analysis of fixed-bed reactor, gas chromatography and thermogravimetric analysis coupled with mass spectroscopy (TGA-MS)

Sinisalu, Mari; Järvik, Oliver; Mets, Birgit; Konist, Alar Bioresource technology 2024 / art. 130086

<https://doi.org/10.1016/j.biortech.2023.130086> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Co-hydrothermal liquefaction of lignocellulosic biomass with kukersite oil shale

Akalın, Ece; Kim, Young-Min; Alper, Koray; Oja, Vahur Energy & fuels 2019 / p. 7424-7435 : ill

<https://doi.org/10.1021/acs.energyfuels.9b01473> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A combined analysis of the drying and decomposition kinetics of wood pyrolysis using non-isothermal thermogravimetric methods

Ochieng, Richard; Ceron, Alejandro Lyons; Konist, Alar; Sarker, Shiplu Energy conversion and management : X 2023 / art.

100424, 12 p. : ill <https://doi.org/10.1016/j.ecmx.2023.100424> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Combustion behavior of solid waste fuels in the vertical tube reactor under different oxy-fuel environments

Mukhambet, Yerkebulan; Ybray, Sultan; Shah, Dhawal; Konist, Alar; Sarbassov, Yerbol Process Safety and Environmental Protection 2024 / p. 760-768 <https://doi.org/10.1016/j.psep.2024.10.062> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Comparative thermochemical conversion processing of biomass and fossil fuel [Electronic resource]

Luik, Hans; Luik, Lea; Veski, Rein 14th European Biomass Conference : proceedings 2006 / p. 727-730 [CD-ROM]

Conversion of willow biomass at varied thermochemical conditions [Electronic resource]

Luik, Hans; Luik, Lea; Tamvelius, Hindrek 14th European Biomass Conference : proceedings 2006 / p. 940-942 [CD-ROM]

Co-processing of biomass and heavy shale oil using catalytical hydrocracking method

Luik, Hans; Luik, Lea; Johannes, Ille; Tiikma, Laine; Sokolova, Julia 17th European Biomass Conference & Exhibition from Research to Industry and Markets : proceedings of the International Conference held in Hamburg, Germany, 29 June - 3 July 2009 2009 / p. 1082-1084

Co-pyrolysis of biomass and oil shale = Biomassi ja põlevkivi koospürolüüs

Lyons Ceron, Alejandro 2024 <https://doi.org/10.23658/taltech.27/2024> https://www.ester.ee/record=b5685170*est
<https://digikogu.taltech.ee/et/Item/086c2b08-a10f-4af2-aa9a-1bd3aa07693c>

Co-pyrolysis of woody biomass and oil shale — a kinetics and modelling study

Lyons Ceron, Alejandro; Ochieng, Richard; Sarker, Shiplu; Järvik, Oliver; Konist, Alar Energies 2024 / art. 1055

<https://doi.org/10.3390/en17051055> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Co-Pyrolysis of Woody Biomass and Oil Shale in a Batch Reactor in CO₂, CO₂-H₂O, and Ar Atmospheres

Lyons Ceron, Alejandro; Konist, Alar Energies 2023 / art. 3145 <https://doi.org/10.3390/en16073145> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Cultivation of Algae Polyculture in Municipal Wastewater with CO₂ Supply

Podkuiko, Lara; Kasemets, Mari-Liis; Kikas, Timo; Lips, Inga Environmental and Climate Technologies 2020 / p. 188-200
<https://doi.org/10.2478/rtuect-2020-0096>

Current status of co-pyrolysis of oil shale and biomass

Lyons Ceron, Alejandro; Konist, Alar; Lees, Heidi; Järvik, Oliver Oil shale 2021 / p. 228-263 : tab

<https://doi.org/10.3176/oil.2021.3.04> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Dark fermentation of biomass and organic waste for production of renewables

Vaalu, Tarmo; Michelis, Merje; Mets, Aita; Lepane, Viia; Kaljurand, Mihkel; Suurväli, Jaanus; Menert, Anne 12th Nordic-Baltic IHSS Symposium on Natural Organic Matter in Environment and Technology : Tallinn, Estonia, June 14-17, 2009 : program and abstracts 2009 / p. 43

Deammonification process start-up after enrichment of anammox microorganisms from reject water in a moving-bed biofilm reactor

Zekker, Ivar; Rikmann, Ergo; Tenno, Toomas; Kroon, Kristel; Vabamäe, Priit; Salo, Erik; Tenno, Taavo; **Loorits, Liis**; Dc Rubin, Sergio S. C.; Vlaeminck, Siegfried E. Environmental Technology (United Kingdom) 2013 / p. 3095 - 3101
<https://doi.org/10.1080/09593330.2013.803134> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Decarbonization strategies of Helsinki metropolitan area district heat companies

Su, Yijie; **Hiltunen, Pauli; Syri, Sanna**; Khatiwada, Dilip Renewable and Sustainable Energy Reviews 2022 / Art. 112274
<https://doi.org/10.1016/j.rser.2022.112274> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Defining of eligible capacity for biomass cogeneration plants in small towns in Estonia

Volkova, Anna; Hlebnikov, Aleksandr; Siirde, Andres Proceedings of International Conference on Renewable Energies and Power Quality (ICREPQ'10) : Granada (Spain), 23th to 25th March, 2010 2010 / [5] p.: ill. [CD-ROM]
<https://www.icrepq.com/icrepq'10/447-Volkova.pdf>

Defining the extent of coastal zone for ecosystem-based management

Lessin, Gennadi; Raudsepp, Urmas US/EU-Baltic International Symposium : Ocean observations, ecosystem-based management & forecasting : May 27-29, 2008, Tallinn, Estonia : book of abstracts 2008 / p. 84

Determination of metallic and non-metallic elements in coastal seawater and in algal biomass by atomic absorption spectrometry using colloidal palladium modifier

Viitak, Anu; Volynsky, Anatoly B.; Truus, Kalle; **Vaher, Merike; Levandi, Tuuli** 4th International Conference, Instrumental Methods of Analysis Modern Trends and Applications 2005 / p. 371

Development trends in Estonian biomass fuel market

Kask, Ülo; Muiste, Peeter; Paist, Aadu Scientific proceedings of Riga Technical University. 4. [series], Power and electrical engineering 2004 / p. 44-49 : ill

Dioxin concentrations and congener distribution in biomass ash from small to large scale biomass combustion plants

Ummik, Mari-Liis; Järvik, Oliver; Konist, Alar Environmental science and pollution research 2024 / p. 58946 - 58956
<https://doi.org/10.1007/s11356-024-35141-5> [Journal metrics at Scopus](#) [Article at Scopus](#)

Divesiniksulfiidi kõrvaldamiseks kasutatavate mikrovetikate tootmise tehnoloogia

Liiders, M.; Tiisma, K.; Aruoja, V.; Meriste, T. XVI Eesti keemiapäevad : teaduskonverentsi ettekannete refereaadid = 16th Estonian chemistry days : abstracts of scientific conference 1995 / lk. 64-65

Doktoritöö: põlevkivile biomassi lisades saab toota puhtamaid kütuseid

Ceron, Alejandro Lyons novaator.err.ee 2025 [Doktoritöö: põlevkivile biomassi lisades saab toota puhtamaid kütuseid](#)

Eesti teadlased arendavad jäätmevabu ehitusmaterjale

Ehitaja 2024 / lk. 34 : portr https://www.ester.ee/record=b1072123*est

Eesti teadlaste leiutis muudab jäätmed väärtuslikuks tooraineiks

Einama, Kaido Postimees 2024 / lk. 11 <https://dea.digar.ee/article/postimees/2024/10/24/8.1>

Effect of leaching pretreatment on the gasification of wine and vine (residue) biomass

Link, Siim; Arvelakis, Stelios; **Paist, Aadu**; Liliedahl, Truls; Rosen, Christer Venice 2016 - Sixth International Symposium on Energy from Biomass and Waste : proceedings 2016 / p. D1-489

Effect of leaching pretreatment on the gasification of wine and vine (residue) biomass

Link, Siim; Arvelakis, Stelios; **Paist, Aadu**; Liliedahl, Truls; Rosen, Christer Renewable energy 2018 / p. 1-5 : tab
<https://doi.org/10.1016/j.renene.2017.08.028> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The effect of rice husk biochar on soil nutrient status, microbial biomass and paddy productivity of nutrient poor agriculture soils

Singh, Chhatarpal; Tiwari, Shashank; **Gupta, Vijai Kumar**; Singh, Jay Shankar Catena 2018 / p. 485 - 493
<https://doi.org/10.1016/j.catena.2018.07.042> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effect of woody biomass gasification process conditions on the composition of the producer gas

Lyons Cerón, Alejandro; **Konist, Alar; Lees, Heidi; Järvik, Oliver** Sustainability 2021 / art. 11763, 17 p. : ill
<https://doi.org/10.3390/su132111763> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Efficient lignin fractionation from Scots pine (*Pinus sylvestris*) using ammonium-based protic ionic liquid : process optimization and characterization of recovered lignin

Khan, Sharib; Rauber, Daniel; Shanmugam, Sabarathinam; Kay, Christopher W. M.; **Konist, Alar**; Kikas, Timo Polymers 2022 / art. 4637, 13 p. : ill <https://doi.org/10.3390/polym14214637> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The electrochemical reduction of oxygen on noble metal free and biomass-based carbon nanomaterials = Hapniku elektrokeemiline redutseerumine väärismetalli-vabadel ja biomassil põhinevatel süsiniku nanomaterjalidel

Kaare, Kätlin 2022 <https://doi.org/10.23658/taltech.48/2022> <https://digikoju.taltech.ee/et/Item/0e17c0ff-8910-49a1-a7f3-8525b28b4b77> https://www.ester.ee/record=b5511685*est

Energeetika otsapidi biomassi küljes

Kask, Ülo Horisont 2012 / lk. 48-51 : ill https://artiklid.elnet.ee/record=b2528078*est

Energeetika otsapidi tuleviku biomajanduse küljes

Kask, Ülo Horisont 2012 / lk. 24-28 : ill https://artiklid.elnet.ee/record=b2489969*est

Energia tootmine ja kasutamine põllumajanduses : [posteritekanne konverentsil]

Hamburg, Arvi Kuhu lähed Eesti Põllumajandus 2014-2020? : konverents, Tallinn, 29. novembril 2013. a 2013 / 6 lk. : ill

Energy production from steam gasification processes and parameters that contemplate in biomass gasifier – a review

Singh Siwal, Samarjeet; Zhang, Qibo; Sun, Changbin; Thakur, Sourbh; **Gupta, Vijai Kumar**; Kumar Thakur, Vijay Bioresource Technology 2020 / Art. nr. 122481 <https://doi.org/10.1016/j.biortech.2019.122481> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Engineered microbes for pigment production using waste biomass

Usmani, Zeba; Sharma, Minaxi; Sudheer, Surya; Gupta, Vijai Kumar; Bhat, Rajeev Current genomics 2020 / p. 80-95 <https://doi.org/10.2174/1389202921999200330152007> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Enhancement of anoxic phosphorus uptake of denitrifying phosphorus removal process by biomass adaption

Mandel, Anni; Zekker, Ivar; **Jaagura, Madis**; Tenno, Taavo International journal of environmental science and technology 2019 / p. 5965–5978 : ill <https://doi.org/10.1007/s13762-018-02194-2> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Estonian wetlands biomass resources for energy production

Kask, Ülo; Pärnamäe, E.; Habicht, M. Bio-energy Enlarged Perspectives : Budapest, 16-17 October 2003 : sixth framework programme : book of abstract 2003 / [2] p. : ill

Estonian wetlands biomass resources for energy production

Kask, Ülo; **Kask, Livia**; Habicht, M. REPROMO Bioenergy Market Place : 13 May 2004, Rome, Italy : poster presentation 2004 / p. ?

Evaluating the impact of toxicities in hemicellulosic hydrolysates during biotechnological valorisation processes

Lipova, Inna; Axelrud Nunes, Andreia; Bonturi, Nemailla; **Lahtvee, Petri-Jaan** Conference materials "Youth and modern problems of microbiology and virology" : IV young scientists conference, Kyiv, Ukraine, 15-17 November 2022 : Abstracts book 2022 / p. 15 https://imv.org.ua/wp-content/uploads/2022/12/Conference-materials_2022.pdf

Evaluation of oil potential of Estonian shales and biomass samples using rock-eval analyzer

Johannes, Ille; **Kruusement, Kristjan**; **Palu, Vilja**; **Veski, Rein**; Bojesen-Koefoed, Jorgen Oil shale 2006 / 2, p. 110-118 : ill https://artiklid.elnet.ee/record=b2363543*est

Experimental and modeling studies of intermediate pyrolysis of wood in a laboratory-scale continuous feed retort reactor

Ochieng, Richard; **Ceron, Alejandro Lyons**; **Konist, Alar**; Sarker, Shilpu Bioresource technology reports 2023 / art. 101650 <https://doi.org/10.1016/j.biteb.2023.101650> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Exploring the potential of microbial biomass and microbial extracted oils in tribology: a sustainable frontier for environmentally acceptable lubricants

Bernat, Szymon; Di Bartolomeo, Francesca; Armada, Sergio; Valaker, Emil; **Bonturi, Nemailla**; Koseto, Deni; Haugen, Tone; Kvernbraten, Ann-Karin; Stavarek, Petr; Vecer, Marek; Zelenka, Ladislav Green chemistry letters and reviews 2024 / art. 2330644 <https://doi.org/10.1080/17518253.2024.2330644> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Extraction and quantification of hybrid carrageenans from the biomass of the red algae *Furcellaria lumbricalis* and *Coccotylus truncatus*

Tuvikene, Rando; Truus, Kalle; **Vaher, Merike**; **Kailas, Tiit**; Martin, Georg; Kersen, Priit Proceedings of the Estonian Academy of Sciences. Chemistry 2006 / 1, p. 40-53 : ill

Factors affecting the improvement of district heating. Case studies of Estonia and Serbia

Rušeljuk, Pavel; Volkova, Anna; Lukic, Nebojša; **Lepiksaar, Kertu;** Nikolic, Novak; Nešovic, Aleksandar; **Siirde, Andres**

Environmental and Climate Technologies 2021 / p. 521–533 <https://doi.org/10.2478/rtuct-2020-0121> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Feasibility of thermal energy storage integration into biomass CHP-based district heating system

Volkova, Anna; Latšov, Eduard; Andrijaškin, Maksim; Siirde, Andres Chemical engineering transactions 2018 / p. 499-504 : ill

<https://doi.org/10.3303/CET1870084> [Journal metrics at Scopus](#) [Article at Scopus](#)

Fire hazard modulation by long-term dynamics in land cover and dominant forest type in eastern and central Europe

Feurdean, Angelica; Vanniere, Boris; Finsinger, Walter; **Poska, Anneli; Vassiljev, Jüri; Veski, Siim** Biogeosciences 2020 / p.

1213–1230 <https://doi.org/10.5194/bg-17-1213-2020> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Gasification and liquefaction of solid fuels by hydrothermal conversion methods

Kruusement, Kristjan; Luik, Hans; Waldner, Maurice; Vogel, Frederic; **Luik, Lea** Journal of analytical and applied pyrolysis 2014 /

p. 265-273 : ill <https://doi.org/10.1016/j.jaap.2014.04.006> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

GIS based spatial planning for biomass resource management on county level

Kask, Ülo; Vares, Villu; Kask, Livia; Muiste, Peeter; Padari, Allar; Roostalu, H.; Mitt, R.; Pärn, L. The 15th European Biomass Conference & Exhibition : Berlin (Germany), 7-11.05.2007 2007 / ? p

Green oxidation for valorization of biomass

Shevchenko, Nadiia; Kananovich, Dzmitri; Karpichev, Yevgen ISySyCat 2025 : International Symposium on Synthesis and

Catalysis : Book of Abstracts 2025 / art. P19, p. 179 <https://isysycat2025.events.chemistry.pt/book-of-abstracts>

Herbage production and chemical characteristics for bioenergy production by plant functional groups from semi-natural grasslands

Melts, Indrek; Heinsoo, Katrin; **Ivask, Mari** Biomass and bioenergy 2014 / p. 160-166 : ill <https://doi.org/10.1016/j.biombioe.2014.04.037>

[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Heteroatom-doped nanocarbons derived from black liquor as the oxygen reduction reaction catalysts

Kaare, Kätlin; Kruusenberg, Ivar; Volperts, Aleksandrs; Zhurinsh, Aivars; Dobeles, Galina; **Walke, Peter; Mikli, Valdek** GSFMT

Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / P 53 https://fmdtk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf

Highly active wood-derived nitrogen-doped carbon catalyst for the oxygen reduction reaction

Kaare, Kätlin; Yu, Eric; Volperts, Aleksandrs; Dobeles, Galina; Zhurinsh, Aivars; Dyck, Alexaner; Niaura, Gediminas; Tamasauskaitė-Tamasiunaite, Loreta; Norkus, Eugenijus; Andrulevičius, Mindaugas; **Danilson, Mati;** Kruusenberg, Ivar ACS omega 2020 / p.

23578-23587 : ill <https://doi.org/10.1021/acsomega.0c01974> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Household solid waste combustion with wood increases particulate trace metal and lung deposited surface area emissions

Timonen, Hilka; Mylläri, Fanni; Simonen, Pauli; Aurela, Minna; Maasikmets, Marek; Bloss, Matthew; **Kupri, Hanna-Li;** Vainumäe,

Keio; Lepistö, T.; Salo, Laura Journal of environmental management 2021 / art. 112793, 10 p. : ill

<https://doi.org/10.1016/j.jenvman.2021.112793> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Hübrüidsed karraginaanid punavetikate *Furcellaria lumbricalis* ja *Coccotylus truncatus* koosluse biomassist

Tuvikene, Rando; Truus, Kalle; **Vaher, Merike;** Kersen, Priit XXIX Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 29th Estonian Chemistry Days : abstracts of scientific conference 2005 / lk. 123-124

Improvement of biomass production by *Lactobacillus reuteri* using double-carbon source cultivation strategy

Selvamani, Shanmugaprakasham; Malek, Roslinda Abd; Ramli, Solleh; Dailin, Daniel Joe; **Gupta, Vijai Kumar;** Sukmawati, Dalia; El-Adawi, Hala I.; Leng, Ong Mei; El Enshasy, Hesham Ali The 2nd Science and Mathematics International Conference (SMIC 2020) :

Transforming Research and Education of Science and Mathematics in the Digital Age 2021 / art. 168153

<https://doi.org/10.1063/5.0041975> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Increased biomass yield of *Lactococcus lactis* by reduced overconsumption of amino acids and increased catalytic activities of enzymes

Adamberg, Kaarel; Seiman, Andrus; Vilu, Raivo PLoS ONE 2012 / p. e48223 <https://pubmed.ncbi.nlm.nih.gov/23133574/>

Induction of resistance mechanisms in *Rhodotorula toruloides* for growth in sugarcane hydrolysate with high inhibitor content

Santos Lopes, Helberth Júnior; **Bonturi, Nemailla;** Miranda, Everson Alves Applied Microbial and Cell Physiology 2021 / p. 9261-

Influence of biomass fuel moisture to the operating parameters of small-scale boiler with stoker burner

Veski, Ants; Pihu, Tõnu; Ots, Arvo 10th European Conference and Technology Exhibition Biomass for Energy and Industry : proceedings of the International Conference, Würzburg, Germany, 8-11 June 1998 1998 / p. 1370-1373: ill

Investigation of biomasses and chars obtained from pyrolysis of different biomasses with solid-state ¹³C and ²³Na nuclear magnetic resonance spectroscopy

Link, Siim; Arvelakis, Stelios; Spliethoff, Hartmut; Waard, Pieter De; Samoson, Ago Energy & fuels 2008 / p. 3523-3530 : ill
<https://pubs.acs.org/doi/10.1021/ef800305g#>

Ionic liquid based pretreatment of lignocellulosic biomass for enhanced bioconversion

Usmani, Zeba; Sharma, Minaxi; Gupta, Pratishtha; **Karpichev, Yevgen;** Gathergood, Nicholas; Bhat, Rajeev; **Gupta, Vijai Kumar** Bioresource technology 2020 / art. 123003, 13 p <https://doi.org/10.1016/j.biortech.2020.123003> [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>

Jüri Rute: Eestis tärkab biotootmise uus ajastu

Rute, Jüri Trialoog 2025 [Jüri Rute: Eestis tärkab biotootmise uus ajastu](#)

Kas kanep aitab päästa rohepöörde ja kuidas on sellega seotud TalTech?

geenius.ee 2023 [Kas kanep aitab päästa rohepöörde ja kuidas on sellega seotud TalTech?](#)

Kassari lahe punavetika (Furcellaria lumbricalis) biomassi töötlusjääkide uudsed rakendused :

Keskkonnainvesteeringute Keskuse projekt nr. 11247 [Võrguväljanne]

Kallavus, Urve 2018 https://www.kik.ee/sites/default/files/uuringud/projekti_11247_lopparuanne.pdf

Kastaniesktraktist saab roheline toidupakendi

Imeline Teadus 2021 / lk. 19 https://www.ester.ee/record=b2747925*est <https://digikogu.taltech.ee/et/item/88d05471-4a1d-42b5-b822-cd7c38a1eb39>

Kohalik kütus - biomass

Paist, Aadu; Kask, Ülo Elektriala 2010 / 5, lk. 7-9 : ill

Kristjan Kruusement - PhD

Eesti Põlevloodusvarad ja -jätmed 2008 / lk. 15 : fot

Kui põllumees läheb merre, siis võidavad sellest kõik

Kõuts, Mariliis postimees.ee 2024 [Kui põllumees läheb merre, siis võidavad sellest kõik](#)

Land use change : a key ecological disturbance declines soil microbial biomass in dry tropical uplands

Tiwari, Shashank; Singh, Chhatrapal; Boudh, Siddharth; Rai, Pradeep Kumar; **Gupta, Vijai Kumar;** Singh, Jay Shankar Journal of environmental management 2019 / 10 p. : ill <https://doi.org/10.1016/j.jenvman.2019.04.052> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Lignocellulosic biomass (LCB) : a potential alternative biorefinery feedstock for polyhydroxyalkanoates production

Al-Battashi, Huda Sultan; Annamalai, Neelamegam; Sivakumar, Nallusamy; **Gupta, Vijai Kumar** Reviews in Environmental Science and Biotechnology 2019 / p. 183–205 : ill <https://doi.org/10.1007/s11157-018-09488-4> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Lignocellulosic biorefineries : the current state of challenges and strategies for efficient commercialization

Usmani, Zeba; Sharma, Minaxi; Awasthi, Abhishek Kumar; **Lukk, Tiit;** Tuohy, Maria G.; Gong, Liang; Nguyen-Tri, Phuong; Goddard, Alan D.; Bill, Roslyn M.; Nayak, S. Chandra; Gupta, Vijai Kumar Renewable and sustainable energy reviews 2021 / art. 111258, 14 p. : ill <https://doi.org/10.1016/j.rser.2021.111258> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Lignotselluloosse biomassi eeltöötlus ionsete vedelikega

Aid, Tiina; Koel, Mihkel; Vaher, Merike XXXIII Eesti Keemiapäevad : teaduskonverentsi teesid 2013 / lk. 11

Lisandväärtuse tõstmine ja toorme tõhusam kasutamine Eesti biomajanduses ja selle sektorites

Karo, Erkki TeadusEST 2021 : teaduse roll riigi juhtimisel 2021 / lk. 13 : ill https://www.ester.ee/record=b5482277*est

Low grade fuel - oil shale and biomass co-combustion in CFB boiler

Konist, Alar; Pihu, Tõnu; Nešumajev, Dmitri; Külaots, Indrek Oil shale 2013 / p. 294-304 : ill

https://artiklid.elnet.ee/record=b2631751*est <https://doi.org/10.3176/oil.2013.2S.09> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Maaailma energia ülevaade

Tanning, Lembo 2010 https://www.ester.ee/record=b2636232*est

Maaailmas suureneb huvi biomassist saadavate kütuste vastu

Kask, Ülo Eesti Turvas 1998 / 3/4, lk. 58

Main gas emission factors for biomass fired boilers in Estonia

Parve, Teet X Valtakunnalliset päästömittaajapäivät, 22.-23.03.2001, Lahti 2001 / [14] s

Matsalu rahvuspargi rohtsest biomassist toodetakse Lihulas energiat

Kask, Ülo; Kask, Livia; Källe, Margus Keskkonnatehnika 2009 / 8, lk. 23-25 : ill https://artiklid.elnet.ee/record=b1509666*est

Melting and sintering of biomass fuel ash

Parve, Teet 3rd International Symposium "Topical Problems of Education in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology : Kuressaare, Estonia, January 16-21, 2006 2006 / p. 174-176 : ill

Mesoscale physical processes and the related impact on the summer nutrient fields and phytoplankton blooms in the western Gulf of Finland

Pavelson, Juss 2005 https://www.ester.ee/record=b2073510*est

Metabolic regulation of acetyl-CoA and NADPH production pathways in Rhodotorula Toruloides

Rekena, Alina; Gavrilovic, Srdjan; Lahtvee, Petri-Jaan Metabolic Engineering 16 (ME16) : conference proceedings 2025 / art. 706872 <https://aiche.confex.com/aiche/me16/meetingapp.cgi/Paper/706872>

Methodology for defining of eligible capacity for wood fuel based cogeneration plants in small towns in Estonia

Volkova, Anna; Hlebnikov, Aleksandr; Siirde, Andres Journal of energy and power engineering 2011 / p. 481-489 : ill <https://ortus.rtu.lv/science/en/publications/11170>

Microbial beta glucosidase enzymes : recent advances in biomass conversation for biofuels application

Srivastava, Neha; Rathour, Rishabh; Jha, Sonam; Pandey, Karan; Srivastava, Manish; Thakur, Vijay Kumar; Sengar, Rakesh Singh; **Gupta, Vijai Kumar;** Mazumder, Pranab Behari; Khan, Ahamad Faiz; Mishra, Pradeep Kumar Biomolecules 2019 / art. 220 <https://doi.org/10.3390/biom9060220> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Microbial saccharification of wheat bran for bioethanol fermentation

Farkas, Csilla; Rezessy-Szabó, Judit M.; **Gupta, Vijai Kumar;** Truong, Duy H.; Friedrich, László; Felföldi, József; Nguyen, Quang D. Journal of Cleaner Production 2019 / Article nr. 118269 <https://doi.org/10.1016/j.jclepro.2019.118269> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Micronisation of low-salinity Baltic Sea blue mussels : enhancing whole-biomass utilization and nutritional viability

Adler, Indrek; Kotta, Jonne; Vene, Kristel Fishes 2025 / 15 p <https://doi.org/10.3390/fishes10050199>

Mikrovetikate kasutamine reovee käitlemiseks ja biomassi väärtustamine : BONUS Microalgae projekti tulemuste kokkuvõte

Ilital, Arvo; Klõga, Marija 2017 http://www.ester.ee/record=b4773031*est

Millised on tulevikukütused ja kust hakkame saama energiat?

Niidu, Allan Äripäev 2021 / Lk. 3 : fot ["Millised on tulevikukütused ja kust hakkame saama energiat? "](https://artiklid.elnet.ee/record=b2631751*est)

Märgalade taimestiku energeetiline potentsiaal Saare maakonnas

Kask, Ülo; Kask, Livia Taastuvate energiaallikate uurimine ja kasutamine : kolmanda konverentsi kogumik : [1. november 2001, Tartu] 2002 / lk. 118-123 : ill

Märgalataimede konverents Grefswaldis

Kask, Ülo Eesti põlevloodusvarad ja -jäätmed 2013 / lk. 47 : ill

A new research project aims to make industry more waste-free and up-grade the materials through chemical looping gasification (CLG)

Tamm, Kadriann; Baqain, Mais Hanna Suleiman researchinestonia.eu 2024 <https://researchinestonia.eu/2024/12/12/industry-waste-free-through-clg/>

Novel treatment method for black liquor and biomass hydrolysate with partial wet oxidation

Muddassar, Hassan Raja; Melin, Kristian; Kuppa, Sarada; Koskinen, Jukka; Hurme, Markku; De Kokkonen, Daniela; **Kallas, Juha** Cellulose chemistry and technology 2015 / p. 347-360 : ill [https://www.cellulosechemtechnol.ro/pdf/CCT3-4\(2015\)/p.347-360.pdf](https://www.cellulosechemtechnol.ro/pdf/CCT3-4(2015)/p.347-360.pdf) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Old dry mold growth seems to emit less bioactive metabolites and surfactants than actively growing microbes

Andersson, Maria A.; Marik, Tamas; Kredics, Laszlo; Salonen, Heidi; **Kurnitski, Jarek** Sisäilmastoseminaari 2019 : 14.3.2019 2019 / p. 215-220 : ill https://www.sisailmauutiset.fi/Sisailmastoseminaari_2019.pdf

On-line and in-situ monitoring of cell concentrations with twin probe device

Wang, Yijun; Christensen, Knud Smed; Olsson, Lisbeth; Nielsen, Jens BEC'98 : the 6th Biennial Conference on Electronics and Microsystems Technology, October 7-9, 1998, Tallinn, Estonia : proceedings 1998 / p. 335-338: ill

Parallels between slow pyrolysis of Estonian oil shale and forest biomass residues

Luik, Hans; Luik, Lea; Tiikma, Laine; Vink, Natalia 17th International Symposium on Analytical and Applied Pyrolysis : Budapest, Hungary, May 21-26, 2006 : book of abstracts 2006 / p. 158

Parallels between slow pyrolysis of Estonian oil shale and forest biomass residues

Luik, Hans; Luik, Lea; Tiikma, Laine; Vink, Natalia Journal of analytical and applied pyrolysis 2007 / 1/2, p. 205-209

Peat as a carbon source for non-platinum group metal oxygen electrocatalysts and AEMFC cathodes

Teppor, Patrick; Jäger, Rutha; Paalo, Maarja; Adamson, Anu; Härmas, Meelis; **Volobujeva, Olga**; Aruväli, Jaan; Palm, Rasmus; Lust, Enn International Journal of Hydrogen Energy 2022 / p. 16908 - 16920 <https://doi.org/10.1016/j.ijhydene.2022.03.199> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Pectin extraction and characterization from different biomasses

Taniel, Annabel; Vaher, Merike; Jõul, Piia EcoBalt2025 : Book of abstracts 2025 / p. 48 https://ecobalt.ftmc.lt/wp-content/uploads/2025/10/EcoBalt2025_Book_of_Abstracts_V1-cor1_2025-10-24.pdf

Petre-Jaan Lahtvee: pikem plaan on väähindada CO2 toiduks

Lahtvee, Petri-Jaan Mente et Manu 2023 / lk. 14-19 : fot https://www.ester.ee/record=b1242496*est

Phydades/BIODAT - building a database for biomass fuels and ashes using CEN standards and training of its users

Pels, J.R.; Alakangas, E.; Vivarelli, F.; **Parve, Teet** 16th European Biomass Conference & Exhibition : from Research to Industry and Markets : proceedings of the International Conference held in Valencia, Spain, 2-6 June 2008 2008 / p. 402-427

Platinum-free oxygen electrocatalysts and alkaline fuel cell cathodes fabricated from peat

Teppor, Patrick; Jäger, Rutha; Paalo, Maarja; Härmas, Meelis; Adamso, Anu; **Volobujeva, Olga**; Aruväli, Jaan; Palm, Rasmus; Lust, Enn Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference : abstracts 2022 / 61 I. [Graduate School of Functional Materials and Technology \(GSFMT\) Scientific Conference 2022](#)

Potential of biomass fuels to substitute for oil shale in energy balance in Estonian energy sector

Paist, Aadu; Kask, Ülo; Kask, Livia; Vrajer, Allan; Muiste, Peeter; Padari, Allar; Pärn, L. Oil shale 2005 / 4S, p. 369-379 : ill https://artiklid.elnet.ee/record=b2352606*est

Potential of biomass in Narva region regarding oil shale and biomass co-firing

Kask, Ülo; Loosaar, Jüri; Parve, Teet; Kask, Livia; Paist, Aadu; Muiste, Peeter; Padari, Allar; Astover, Alar Oil shale 2011 / 1S, p. 181-192 : ill https://artiklid.elnet.ee/record=b2286640*est

Potential utilization of renewable energy sources and the related problems

Roos, Inge; **Selg, Vello** Estonia in the system of global climate change 1996 / p. 178-189: ill

Prediction of total product composition from pyrolysis and gasification of lignocellulosic biomass : a model for reactor design and optimization

Ochieng, Richard; **Ceron, Alejandro Lyons; Konist, Alar**; Sarker, Shiplu European biomass conference and exhibition proceedings 2023 / p. 959-965 <http://www.etaflorence.it/proceedings/> <https://doi.org/10.5071/31stEUBCE2023-5BV.10.5> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Preliminary investigation of technological, physical and economic parameters of herbaceous biomass briquettes

Menind, Andres; Oper, Liis; **Kers, Jaan**; Melts, Indrek; Olt, Jüri Lecture notes in information technology 2012 / p. 134-140

Pretreatment of plant feedstocks and agrofood waste using ionic liquids

Usmani, Zeba; Sharma, Minaxi; **Karpichev, Yevgen; Gathergood, Nicholas**; Bhat, Rajeev; Gupta, Vijai Kumar Recent developments in bioenergy research 2020 / p. 393-413 <https://doi.org/10.1016/B978-0-12-819597-0.00021-0>

Production of a recombinant swollenin from Trichoderma harzianum in Escherichia coli and its potential synergistic role in biomass degradation

Santos, Clelton A.; Ferreira-Filho, Jaíre A.; O'Donovan, Anthonia; **Gupta, Vijai Kumar**; Tuohy, Maria G.; Souza, Anete P. Microbial cell factories 2017 / art. 83, 11 p. : ill <https://doi.org/10.1186/s12934-017-0697-6> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Production of microbial lipids from optimized waste office paper hydrolysate, lipid profiling and prediction of biodiesel properties

Nair, Anu Sadasivan; Al-Bahry, Saif; **Gathergood, Nicholas**; Tripathi, Bhumi Nath; Sivakumar, Nallusamy Renewable Energy 2020 / p. 124 - 134 <https://doi.org/10.1016/j.renene.2019.12.008> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Puidu- ja rohttaimede koksi reageerimisvõime. Reactivity of woody and herbaceous biomass chars : [Siim Link'i doktoritööst]

Eesti Põlevloodusvarad ja -jäätmed 2012 / lk. 19 : fot https://www.ester.ee/record=b2738371*est

Puidust tehtud elektri peidetud väärtus

Soomere, Tarmo Postimees 2022 / Lk. 8 <https://dea.digar.ee/article/postimees/2022/02/05/12.4>

Puidust tehtud elektri peidetud väärtus

Soomere, Tarmo Akadeemilisi arutlusi : ilmast ja inimestest 2022 / lk. 212-214 <https://dea.digar.ee/article/postimees/2022/02/05/12.4> https://www.ester.ee/record=b5521198*est

Pyridyl-3-boronic acids as catalysts for valorization of biomass

Shevchenko, Nadiia; **Kananovich, Dzmitry**; **Karpichev, Yevgen** EcoBalt2025 : Book of abstracts 2025 / p. 127 https://ecobalt.ftmc.lt/wp-content/uploads/2025/10/EcoBalt2025_Book_of_Abstracts_V1-cor1_2025-10-24.pdf

The quantitative measurement of peptidoglycan components obtained from acidic hydrolysis in gram-positive and gram-negative bacteria via hydrophilic interaction liquid chromatography coupled with mass spectrometry

Pismennõi, Dmitri; **Kattel, Anna**; Belouah, Isma; Nahku, Ranno; **Vilu, Raivo**; Kobrin, Eeva-Gerda Microorganisms 2023 / art. 2134, 13 p. : ill <https://doi.org/10.3390/microorganisms11092134> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Quasi steady state growth of Lactococcus lactis in glucose-limited acceleration stat (A-stat) cultures

Adamberg, Kaarel; **Lahtvee, Petri-Jaan**; **Valgepea, Kaspar**; **Abner, Kristo**; **Vilu, Raivo** Antonie van Leeuwenhoek 2009 / 3, p. 219-226 <https://pubmed.ncbi.nlm.nih.gov/19184516/>

Reactivity of the biomass chars originating from reed, douglas fir, and pine

Link, Siim; Arvelakis, Stelios; Hupa, Mikko; Yrjas, Patrik; **Külaots, Indrek**; **Paist, Aadu** Energy & fuels 2010 / 12, p. 6533-6539 <https://pubs.acs.org/doi/abs/10.1021/ef100926v>

Reactivity of woody and herbaceous biomass chars = Puit- ja rohtbiomassi koksides reageerimisvõime

Link, Siim 2011

Reed as a gasification fuel : a comparison with woody fuels

Link, Siim; **Kask, Ülo**; **Paist, Aadu**; **Siirde, Andres**; **Külaots, Indrek** Mires and peat 2013 / p. 1-12 : ill

Renewable cellulosic nanocomposites for food packaging to avoid fossil fuel plastic pollution: a review

Qasim, Umair; Osman, Ahmed I.; Al-Muhtaseb, A.; Farrell, C.; Al-Abri, M.; Ali, M.; Vo, D.-V. N.; Jamil, F.; Rooney, D. W. Environmental chemistry letters 2021 / p. 613-641 <https://doi.org/10.1007/s10311-020-01090-x>

Rohepööre vajab nii mõistust kui südant [Võrguväljaanne]

postimees.ee 2021 "[Rohepööre vajab nii mõistust kui südant](#)."

Rohepööre väikeses linnas [Võrguväljaanne]

Paluoja, Silvia paru.postimees.ee 2022 "[Rohepööre väikeses linnas](#)."

The role of ATP citrate lyase, phosphoketolase, and malic enzyme in oleaginous Rhodotorula toruloides

Rekena, Alina; **Pals, Kristjan**; **Gavrilovic, Srdjan**; **Lahtvee, Petri-Jaan** Applied microbiology and biotechnology 2025 / art. 77 <https://doi.org/10.1007/s00253-025-13454-w>

Saccharification of lignocellulosic biomasses via ionic liquid pretreatment

Aid, Tiina; Hyvärinen, S.; **Vaher, Merike**; **Koel, Mihkel**; Mikkola, J.-P. Industrial crops and products 2016 / p. 336-341 : ill <https://doi.org/10.1016/j.indcrop.2016.08.017> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Screening and growth characterization of non-conventional yeasts in a hemicellulosic hydrolysate

Monteiro de Oliveira, Paola; Aborneva, Daria; **Bonturi, Nemailla**; **Lahtvee, Petri-Jaan** Frontiers in bioengineering and biotechnology 2021 / art. 659472 <https://doi.org/10.3389/fbioe.2021.659472>

Seened liha asemel ehk kuidas vähem tootes võiks 11 miljardit inimest ära toita? [Võrguväljaanne]

postimees.ee 2022 "[Seened liha asemel ehk kuidas vähem tootes võiks 11 miljardit inimest ära toita?](#)"

Selective removal of selenium by phytoremediation from post mining coal wastes : practicality and implications : [abstrac]

Monei, Nthathi Lilian; Veetil, Sanoop Kumar Puthiya; Hitch, Michael William; Gao, Jeffrey Geophysical research abstracts 2020 / EGU2020-16117, 1 p <https://doi.org/10.5194/egusphere-egu2020-16117>

Selective removal of selenium by phytoremediation from post/mining coal wastes : practicality and implications

Monei, Nthathi Lilian; Veetil, Sanoop Kumar Puthiya; Gao, Jeffrey, **Hitch, Michael William** International journal of mining, reclamation and environment 2021 / p. 69-77 : ill <https://doi.org/10.1080/17480930.2020.1801118> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

SET-LRP of bio- and petroleum-sourced methacrylates in aqueous alcoholic mixtures

Moreno, Adrian; Bensabeh, Nabil; **Parve, Jaan;** Ronda, Juan C.; Cádiz, Virginia; Galià, Marina; Vares, Lauri; Lligadas, Gerard; Percec, Virgil Biomacromolecules 2019 / p. 1816 - 1827 <https://doi.org/10.1021/acs.biomac.9b00257> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Soil microbial biomass : a key soil driver in management of ecosystem functioning

Singh, Jay Shankar; **Gupta, Vijay Kumar** Science of the total environment 2018 / p. 497-500 : ill <https://doi.org/10.1016/j.scitotenv.2018.03.373> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Source apportionment and modelling study of particulate matter from the key sources in Tartu

Maasikmets, Marek; Teinemaa, Erik; Keernik, Hannes; **Kupri, Hanna-Lii** 20th International Scientific Conference EcoBalt 2016 : Tartu, Estonia, October 9-12 : book of abstracts 2016 / p. 25 http://akki.ut.ee/wp-content/uploads/2015/01/Abstracts_Book_EcoBalt_2016.pdf

Sugar and sugar derivatives in ionic liquid media obtained from lignocellulosic biomass

Hyvärinen, S.; Mikkola, J.-P.; Murzin, D. Yu.; **Vaher, Merike; Kaljurand, Mihkel; Koel, Mihkel** UBIOCHEM IV : 4th International Workshop of COST Action CM0903 : 14-16 October, 2013, Valencia, Spain : book of abstracts 2013 / p. 42

Sugars and sugar derivatives in ionic liquid media obtained from lignocellulosic biomass: Comparison of capillary electrophoresis and chromatographic analysis

Hyvärinen, S.; Mikkola, J.-P.; Murzin, D. Yu.; **Vaher, Merike; Kaljurand, Mihkel; Koel, Mihkel** Catalysis today 2014 / p. 18-24 : ill <https://doi.org/10.1016/j.cattod.2013.08.015> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Sugars and sugar derivatives in ionic liquids media obtained from lignocellulosic biomass : comparizon of capillary electrophoresis and chromatographic analysis

Hyvärinen, S.; Mikkola, J.-P.; Murzin, D. Yu.; **Vaher, Merike; Kaljurand, Mihkel; Koel, Mihkel** Catalysis today 2014 / p. 18-24 : ill

Sustainable formulations from biomass : making lignin processing greener

Karpichev, Yevgen Current chemical problems (CCP-2024) : book of abstracts 2024 / p. 80

Sügislehtede potentsiaal biokütusena

Kinnunen, Marta TTÜ üliõpilaste teadustööde konkursi kokkuvõtted : Tipika teaduskonverents, 24. november 2011, Tallinn 2011 / lk. 5

Taastuvenergeetika on maha jäänud : [kokkuvõte konverentsil kõneldust. TTÜst esinesid Enn Mellikov, Toomas Tiikma, Ülo Kask]

Annuk, Andres; **Mellikov, Enn; Tiikma, Toomas; Kask, Ülo** Maamajandus 2003 / dets., lk. 28-29 https://artiklid.elnet.ee/record=b1044418*est

Taastuvenergia uuel aastatuhandel

Valma, Arno Keskkonnatehnika 2002 / 5, lk. 13-16 https://artiklid.elnet.ee/record=b2053949*est

Taastuvenergia uuel aastatuhandel

Valma, Arno Keskkonnatehnika 2003 / 1, lk. 38-40 https://artiklid.elnet.ee/record=b2054090*est

TalTech alustas seminarisarja biomassi väärimisest [Võrguväljaanne]

metsamajandusuudised.ee 2021 "[TalTech alustas seminarisarja biomassi väärimisest](#)"

Tarmo Soomere: puidust tehtud elektri peidetud väärtus [Võrguväljaanne]

Soomere, Tarmo postimees.ee 2022 "[Tarmo Soomere: puidust tehtud elektri peidetud väärtus](#)"

Teadlane vastab, millest kõigest on võimalik kütust toota [Võrguväljaanne]

Niidu, Allan novaator.err.ee 2021 "[Teadlane vastab, millest kõigest on võimalik kütust toota](#)"

Teadlaste argumendid lammutavad puidu põletamist soosivat maksumüüri

Soomere, Tarmo Postimees 2020 / Lk. 6-7 : fot <https://dea.digar.ee/article/ak/2020/09/05/4.2>

Teadlaste argumendid lammutavad puidu põletamist soosivat maksumüüri

Soomere, Tarmo Akadeemilisi arutlusi : ilmast ja inimestest 2022 / lk. 266-268 https://www.ester.ee/record=b5521198*est
<https://dea.digar.ee/article/ak/2020/09/05/4.2>

Technology for the cultivation of microalgae for the environmental cleaning processes

Liiders, M.; Tiisma, K.; Aruoja, V.; Meriste, T. BIOBALT '96 : Biotechnology in Estonia, Latvia and Lithuania : International Workshop, 19-20 April, 1996, Tartu, Estonia : abstract book 1996 / p. 25

Tehnoloogilised võimalused biogaasi tootmiseks Eestis

Menert, Anne; Kallaste, Tiit; Laur, Anton; Vaalu, Tarmo Keskkonnatehnika 2011 / 6, lk. 28-32 : ill
https://artiklid.elnet.ee/record=b2431255*est

Thermochemical co-liquefaction of biomass wastes and Estonian oil shale [Electronic resource]

Luik, Lea; Luik, Hans; Bitjukov, Mihhail; Kruusement, Kristjan; Sokolova, Julia; Tamvelius, Hindrek Success & visions for bioenergy. Thermal processing of biomass for bioenergy, biofuels and bioproducts 2007 / [8] p. [CD-ROM]

Termokeemiline muundamine

Kask, Ülo; Vares, Villu Eesti põlevloodusvarad ja -jäätmed 2013 / lk. 22-26 : ill

TG-MS analysis and kinetic study of co-combustion of ca-rich oil shale with biomass in air and oxy-like conditions

Baqain, Mais Hanna Suleiman; Nešumajev, Dmitri; Konist, Alar Carbon capture science & technology 2024 / art. 100162
<https://doi.org/10.1016/j.ccst.2023.100162> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The effect of oil shale ash and mixtures of wood ash and oil shale ash on the biomass formation of Silver birch and Scots pine seedlings on a cutaway peatland

Sepp, Leno; Aguraijuja, Karin; Tilka, Mari; Ots, Katri; Orru, Mall International IX Oil Shale Conference 2017 "Oil Shale Industry in Circular Economy" : 15th-16th November 2017, [Jõhvi], Ida-Viru County, Estonia : summary 2017 / p. 34
http://www.ester.ee/record=b4751282*est

The effect of oxygen, ethanol and biomass concentration on growth rate of distillers yeast : the PH-stat study

Kasemets, Kaja; Laht, Tiit-Maie; Nisamedtinov, Ildar; **Paalme, Toomas** Yeast as a cell factory : EC Framework IV Symposium, The Netherlands, 30. Nov. - 2. Dec. 1998 : abstract book 1998 / p. 162-164

The impact of subsidy mechanisms on biomass and oil shale based electricity cost prices

Latõšov, Eduard; Volkova, Anna; Siirde, Andres Oil shale 2011 / 1S, p. 140-151 : ill https://artiklid.elnet.ee/record=b2286561*est

The pretreatment of lignocellulosic biomass with ionic liquids

Aid, Tiina; Hyvärinen, S.; **Koel, Mihkel; Vaher, Merike** UBIOCHEM IV : 4th International Workshop of COST Action CM0903 : 14-16 October, 2013, Valencia, Spain : book of abstracts 2013 / p. 43

The review of the results of performed EU projects on reed and meadow grasses in Estonia and Finland

Kask, Ülo; Link, Siim; Iital, Arvo; Ikonen, Iiro; Mander, Ülo; Miljan, Jaan RRR2017 : Renewable Resources from Wet and Rewetted Peatlands : September 26th - 28th 2017, Greifswald, Germany : proceedings 2017 / 185 p. : ill
<https://www.moorwissen.de/doc/aktuelles/veranstaltungen/rrr2017/downloads/RRR2017%20-%20proceedings%20-%20web.pdf>

The vaporization of semi-volatile compounds during tobacco pyrolysis

Oja, Vahur; Hajaligol, Mohammad; Waymack, Bruce Journal of analytical and applied pyrolysis 2006 / 1/2, p. 117-123 : ill
<https://www.sciencedirect.com/science/article/pii/S0165237005001646>

Thermochemical Co-liquefaction of Estonian kukersite oil shale with peat and pine bark

Krasulina, Julia; Luik, Hans; Palu, Vilja; Tamvelius, Hindrek Oil shale 2012 / p. 222-236 : ill
https://artiklid.elnet.ee/record=b2527827*est

Thermochemical co-liquefaction of woody biomass and fossil fuel in supercritical water [Electronic resource]

Luik, Lea; Luik, Hans; Vink, Natalia; Kruusement, Kristjan; Veski, Rein 15th European Biomass Conference & Exhibition : from Research to Market Deployment : Florence, Italy 2007 / p. 1955-1959 [CD-ROM]

Thermochemical conversion of woody biomass by using slow pyrolysis and direct hydrogenation methods

Luik, Hans; Luik, Lea; Gregor, Andre WasteEng 2014 : 5th International Conference on Engineering for Waste and Biomass Valorisation, Rio de Janeiro, Brazil, August 25-28, 2014 : proceedings 2014 / p. 1532-1541

Thermochemical conversion of woody biomass by using slow pyrolysis and direct hydrogenation methods

Luik, Hans; Luik, Lea; Gregor, Andre WasteEng 2014 : 5th International Conference on Engineering for Waste and Biomass Valorisation, Rio de Janeiro, Brazil, August 25-28, 2014 : abstracts 2014 / p. 217

Thermochemical liquefaction of reed [Electronic resource]

Veski, Rein; Palu, Vilja; Luik, Hans; Kruusement, Kristjan 14th European Biomass Conference : proceedings 2006 / p. 947-949 [CD-ROM] <https://go.gale.com/ps/i.do?id=GALE%7CA198705954&sid=googleScholar&v=2.1&it=r&linkaccess=abs&issn=14060124&p=AONE&sw=w&userGroupName=anon%7Eec7ac821&aty=open-web-entry>

Thermodynamics-based model-driven discovery of metabolic strategies in oleaginous yeast *Rhodotorula toruloides*

Rejēna, Alina; Smith, Edward N.; Heinemann, Matthias; **Lahtvee, Petri-Jaan** Metabolic Engineering 15 (ME15) : conference proceedings 2023 / Art. 52 <https://aiche.confex.com/aiche/me15/meetingapp.cgi/Paper/659438>

Thermoelectric applications for energy harvesting in domestic applications and micro-production units. Part I : thermoelectric concepts, domestic boilers and biomass stoves

Kütt, Lauri; Millar, John; Karttunen, Antti; Karppinen, Maarit Renewable and Sustainable Energy Reviews 2018 / p. 519-544 <https://doi.org/10.1016/j.rser.2017.03.051> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Thermogravimetric analysis and process simulation of oxyfuel combustion of blended fuels including oil shale, semicoke, and biomass

Yörük, Can Rüstü; Meriste, Tõnis; **Sener, Sener;** Kuusik, Rein, keemik; **Trikkel, Andres** International journal of energy research 2018 / p. 2213-2224 : ill <https://doi.org/10.1002/er.4011> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Transformations of biomass internal oxygen at varied pyrolysis conditions

Luik, Hans; Johannes, Ille; Palu, Vilja; Luik, Lea; Kruusement, Kristjan 17th International Symposium on Analytical and Applied Pyrolysis : Budapest, Hungary, May 21-26, 2006 : book of abstracts 2006 / p. 139

Transformations of biomass internal oxygen at varied pyrolysis conditions

Luik, Hans; Johannes, Ille; Palu, Vilja; Luik, Lea; Kruusement, Kristjan Journal of analytical and applied pyrolysis 2007 / 1/2, p. 121-127

Trends in biomass thermochemical liquefaction : global experience and recent studies in Estonia

Luik, Hans; Palu, Vilja; Luik, Lea; Kruusement, Kristjan; Tamvelius, Hindrek; Veski, Rein; Vetkov, Nikolai; Vink, Natalia; Bitjukov, Mihhail Proceedings of the Estonian Academy of Sciences. Chemistry 2005 / 4, p. 194-229 : ill

Tropical biomass conversion into value added products using steam explosion

Kokorevics, A.; Gravitis, J.; Bikovens, O.; **Kallavus, Urve;** Teeäär, R. Proceedings [of the] 13th International Congress of Chemical and Process Engineering CHISA'98, Praha, 23-28 August, 1998 1998 / CD-ROM record no. 1127, [20] p

Upgrading shale oil heavy fractions with biomass via catalytical hydroprocessing [Electronic resource]

Luik, Hans; Luik, Lea; Tiikma, Laine; Vink, Natalia; Kozõreva, Jekaterina Success & visions for bioenergy. Thermal processing of biomass for bioenergy, biofuels and bioproducts 2007 / [7] p. [CD-ROM]

Utilization of phenolic lignin dimer models for the quantification of monolignols in biomass and in its derived organosolv lignins via thioacidolysis and GC-MS analysis

Ho, Thi Thuy Tran; Salm, Olivia-Stella; Lukk, Tiit; Kulp, Maria Analytical methods 2025 / p. 3283-3289 <https://doi.org/10.1039/D5AY00073D>

Uuring: Eestil on võimalik biomajandusse investeerides jõuda maailma rikkamate riikide hulka

Mente et Manu 2021 / lk. 12 https://www.ester.ee/record=b1242496*est

Uus katseseade aitab testida materjalide lagunemist kõrgetel temperatuuridel [Võrguväljaanne]

toostusuudised.ee 2021 ["Uus katseseade aitab testida materjalide lagunemist kõrgetel temperatuuridel"](https://www.ester.ee/record=b1242496*est)

Valorization of Blue Mussels in the Baltic Sea = Läänemere söödava rannakarbi väärimine

Adler, Indrek 2025 https://www.ester.ee/record=b5766509*est <https://digikogu.taltech.ee/et/Item/2531336f-b7e4-4396-b7fa-03ff842ef28c> <https://doi.org/10.23658/taltech.77/2025>

Water conversion of oil shales and biomass : Kristjan Kruusement defence of the doctoral thesis

Oil shale 2009 / p. 96

Water conversion of oil shales and biomass = Põlevkivi ja biomassi vesikonversioon

Kruusement, Kristjan 2007

Бизнес процветает: продавцы запрещенного каннабидиола штрафов не боятся

Kukk, Mari; Mägi, Maiken rus.delfi.ee 2023 [Бизнес процветает: продавцы запрещенного каннабидиола штрафов не боятся](#)

И про «золотой дождь» тоже [Online resource]

Klotškov, N. Sillamjaeski Vestnik 2021 / с. 4-5 ["И про «золотой дождь» тоже" про «золотой дождь» тоже"](#)

Иммобилизация микробных клеток включением в модифицированный агар

Mikšite, G.; Dikciuvėnė, A.; Pauliukonis, A.; Kazlauskas, D.; Köstner, Ado Физико-химические характеристики биокатализаторов 1986 / с. 67-78

Метод получения биомассы *Bacillus macerans*

Peipman, Elsa; Palm, Toivo Прикладные биокаталитические процессы 1989 / с. 43-52

Получение и модификация биомассы *Citrobacter intermedius* с тирозин-фенол-лиазной активностью

Jõelet, L.; Laidsaar, Reine; Kalda, Astrid Характеристика действия нативных и модифицированных ферментов 1983 / с. 89-99 : ил https://www.ester.ee/record=b1271714*est <https://digikogu.taltech.ee/et/Item/12bae568-2fd1-4c41-888f-7192241e718c>