

Activation of 11R-lipoxygenase is fully Ca²⁺-dependent and controlled by the phospholipid composition of the target membrane

Järving, Reet; Lõökene, Aivar; Kurg, Reet; Siimon, Liina; Järving, Ivar; Samel, Nigulas Biochemistry 2012 / p. 3310-3320 : ill <https://pubs.acs.org/doi/10.1021/bi201690z>

Association of BMI, lipid-lowering medication, and age with prevalence of type 2 diabetes in adults with heterozygous familial hypercholesterolaemia: a worldwide cross-sectional study

Elshorbagy, Amany; Lyons, Alexander R.M.; Vallejo-Vaz, Antonio J.; Stevens, Christophe A.T.; Dharmayat, Kanika Inamdar; Brandts, Julia; Catapano, Alberico L.; Freiburger, Tomas; Hovingh, Gerard Kees Cornelis; Viigimaa, Margus The Lancet Diabetes and Endocrinology 2024 / p. 811-823 [https://doi.org/10.1016/S2213-8587\(24\)00221-3](https://doi.org/10.1016/S2213-8587(24)00221-3) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Biokeemia õppematerjal. 4

2003 http://www.estee.ee/record=b1779200*est

C/N ratio and carbon source-dependent lipid production profiling in *Rhodotorula toruloides*

Lopes, Helberth Júnior Santos; Bonturi, Nemailla; Kerkhoven, Eduard Johannes; Miranda, Everson Alves; Lahtvee, Petri-Jaan Applied Microbiology and Biotechnology 2020 / p. 2639 - 2649 <https://doi.org/10.1007/s00253-020-10386-5> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Current development of lipid management in Baltic countries

Viigimaa, Margus 7th Baltic Atherosclerosis Society Congress : [abstracts] 2018 / p. 8-9 http://www.estee.ee/record=b4819912*est

The design-build-test-learn cycle for investigating lipid synthesis in oleaginous *Rhodotorula toruloides*

Rekena, Alina; Gavrilovic, Srdjan; Lahtvee, Petri-Jaan The 7th applied synthetic biology in Europe : programme and abstracts 2024 / p. 80 <https://bipeek-resources-on-site-prd.s3.amazonaws.com/54015/ASBE7-Programme-and-Abstract-Book.pdf?v=1730830392>

Effects of alirocumab on cardiovascular events after coronary bypass surgery

Goodman, Shaun G.; Aylward, Philip E.; Szarek, Michael; Viigimaa, Margus Journal of the American College of Cardiology 2019 / p. 1177-1186 : ill <https://doi.org/10.1016/j.jacc.2019.07.015>

Farmers hunt: multi-proxy analysis reveals complex subsistence systems at the dawn of early farming in the NE Baltic

Oras, Ester; Tõrv, Mari; Johanson, Kristiina; Rannamäe, Eve; Poska, Anneli; Varul, Liivi; Lucquin, Alexandre; Lundy, Jasmine; Visocka, Vanda; Legzdina, Dardega; Zariņa, Gunita; Lõugas, Lembi; Brown, Samantha ABSTRACT BOOK 10th Meeting of the International Society for Biomolecular Archaeology (ISBA). New Horizons in Biomolecular Archaeology. 13th-16th September 2023 Estonian National Museum, Tartu, Estonia. 2023 / p. 122 https://www.isbarch.org/assets/documents/ISBA10/ISBA10_Abstract_Book.pdf

Genome-scale metabolic modeling reveals metabolic trade-offs associated with lipid production in *Rhodotorula toruloides*

Rekena, Alina; Pinheiro, Marina J.; Bonturi, Nemailla; Belouah, Isma; Tammekivi, Eliise; Herodes, Koit; Kerkhoven, Eduard J.; Lahtvee, Petri-Jaan PLoS computational biology 2023 / art. e1011009 <https://doi.org/10.1371/journal.pcbi.1011009> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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. 9261-9272 <https://doi.org/10.1007/s00253-021-11687-z>

Lipidomic profile of *rhodotorula toruloides* by GC/MS and antioxidant capacity of the oil by DPPH and TLC-plate methods

Santos, Alberdan S.; Salgado, Hugo L. C.; Bonturi, Nemailla; de Mello, Ricardo F. A.; da Conceição, Laiza de K. M.; Miranda, Everson Alves South African journal of chemistry 2021 / p. 162-167 http://www.scielo.org.za/scielo.php?script=sci_arttext&pid=S0379-43502021000100021 <en

Lipoxygenase-catalyzed transformation of epoxy fatty acids to hydroxy-endoperoxides : a potential P450 and lipoxygenase interaction

Teder, Tarvi; Boeglin, William E.; Brash, Alan R. Journal of lipid research 2014 / p. 2587-2596 : ill <https://doi.org/10.1194/jlr.M054072> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Multifunctional catalysts in the asymmetric Mannich reaction of malononitrile with N-Phosphinoylimines : coactivation by halogen bonding versus hydrogen bonding

Kriis, Kadri; Martõnov, Harry; Miller, Annette; Erkman, Kristin; Järving, Ivar; Kaasik, Mikk; Kanger, Tõnis The journal of organic chemistry 2022 / p. 7422-7435 : ill <https://doi.org/10.1021/acs.joc.2c00674> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

4. osa. Süsivesikud ja lipiidid

Biokeemia : lühikursus : õpik kõrgkoolidele 2016 / lk. 129-164 : ill

PCSK9 deficiency alters brain lipid composition without affecting brain development and function

Pärm, Angela; Olsen, Ditte; **Tuvikene, Jürgen**; Kaas, Mathias; Borisova, Ekaterina; Bilgin, Mesut; Elhauge, Mie; Vilstrup, Joachim; Madsen, Peder; Ambrozkiwicz, Mateusz C.; Goz, Roman U.; **Timmusk, Tõnis**; Tarabykin, Victor; Gustafsen, Camilla; Glerup, Simon *Frontiers in molecular neuroscience* 2023 / art. 1084633 <https://doi.org/10.3389/fnmol.2022.1084633> [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](#)

Protein- and lipid-rich solid slaughterhouse waste anaerobic co-digestion : resource analysis and process optimization = Proteiini- ja lipiidirikaste tahkete tapamajajäätmete anaeroobne kooskääritamine : ressursi analüüs ja protsessi optimeerimine

Pitk, Peep 2014 https://www.ester.ee/record=b3724112*est

PSPN/GFR[alpha]4 has a significantly weaker capacity than GDNF/GFR[alpha]1 to recruit RET to rafts, but promotes neuronal survival and neurite outgrowth

Yang, Jianmin; Lindahl, Maria; Lindholm, Päivi; Virtanen, Heidi; Coffey, Eleanor; Runeberg-Roos, Pia; **Saarma, Mart** *FEBS letters* 2004 / 1/3, p. 267-271 : ill <https://pubmed.ncbi.nlm.nih.gov/15225646/>

Põletikumarkerid ja lipoproteiine remodelleerivad valgud II tüüpi diabeedi (T2DM) haigetel

Aasvee, Katrin; Jauhiainen, Matti; **Viigimaa, Margus**; Tupits, Hiie; Sundvall, Jouko; Kurvinen, Elvira *Eesti Arst* 2008 / 9, lk. 668-669 https://artiklid.elnet.ee/record=b1065729*est

Quantitative systems biology analysis of lipid-producing yeast *Rhodotorula toruloides* cultivation

Rekena, Alina; Pinheiro, Marina Julio; **Pals, Kristjan**; **Belouah, Isma**; **Bonturi, Nemailla**; **Gavrilovic, Srdjan**; Kerkhoven, Eduard Johannes; **Lahtvee, Petri-Jaan** *FEBS3+ Baltics : Biochemistry at the Fore Line : Abstract Book 2025* / p. 69 [FEBS3+ Abstract Book \(PDF\)](#)

Rasvhapete ja lipiidide ainevahetus : 12. osa

Biokeemia : lühikursus : õpik kõrgkoolidele 2016 / lk. 429-483 : ill

Reduction of lipids in milk serum effluents

Friedenthal, Margus; Loomägi, Peeter 7th Forum for Applied Biotechnology, Pand, Gent, 30.Sept.-1.Oct. 1993 : abstracts 1993 / p. 113-114

Resorcinolic lipids as an essential source material of kukersite kerogen

Lille, Ülo; **Kaevand, Toomas** International Symposium "Oil shale 100 years" : Estonia, Sept. 20-23, 2016 : [abstracts] 2016 / p. 53-54

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>

The role of lipid peroxidation and protein degradation in the photodestruction of Ehrlich ascites carcinoma cells sensitized by hematoporphyrin derivative

Ševtšuk, Igor; **Tšekulajev, Vladimir**; **Tšekulajeva, Ludmilla** *Experimental oncology* 2002 / p. 216-224

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

Rekena, 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>

24-hour heart rate profile in assessment of target organs in women with arterial hypertension

Šipilova, Tatjana; **Pšeničnikov, Igor**; **Karai, Deniss**; **Ripulk, E.**; **Kaik, Jüri** *Kardiologiya* 2013 / p. 45-50 <https://pubmed.ncbi.nlm.nih.gov/23548350/> [Journal metrics at Scopus](#) [Article at Scopus](#)

2022: The year in cardiovascular disease - the year of upfront lipid lowering combination therapy

Banach, Maciej; **Reiner, Zeljko**; Cicero, Arrigo F.G.; Sabouret, Pierre; **Viigimaa, Margus**; Sahebkar, Amirhossein; Postadzhiyan, Arman; Gaita, Dan; Pella, Daniel; Penson, Peter E. *Archives of Medical Science* 2022 / p. 1429-1434 : ill <https://doi.org/10.5114/aoms/156147> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

2024 Recommendations on the Optimal Use of Lipid-Lowering Therapy in Established Atherosclerotic Cardiovascular Disease and Following Acute Coronary Syndromes: A Position Paper of the International Lipid Expert Panel (ILEP)

Banach, Maciej; Reiner, Željko; Surma, Stanisław; Bajraktari, Gani; Bielecka-Dabrowa, Agata; Bunc, Matjaz; Bytyçi, Ibadete; Ceska, Richard; Cicero, Arrigo F. G.; Dudek, Dariusz; **Viigimaa, Margus** *Drugs* 2024 / p. 1541 - 1577 <https://doi.org/10.1007/s40265-024-02105-5> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Vapor pressures of phenolic compounds found in pyrolysis oil

Mozaffari, Parsa; Järvik, Oliver; Baird, Zachariah Steven *Journal of chemical & engineering data* 2020 / p. 5559–5566
<https://doi.org/10.1021/acs.jced.0c00675> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Wet air oxidation of oil shales: kerogen dissolution and dicarboxylic acid formation

Kaldas, Kristiina; Preegel, Gert; Muldma, Kati; Lopp, Margus *ACS omega* 2020 / p. 22021–22030
<https://doi.org/10.1021/acsomega.0c01466> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)