

Advances in the structural biology, mechanism, and physiology of cyclopropane fatty acid modifications of bacterial membranes

Cronan, John E.; **Lukk, Tiit** Microbiology and Molecular Biology Reviews 2022 <https://doi.org/10.1128/mmbr.00013-22> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Analysis of fatty acids in plant extracts by CE-SALDI MS

Borissova, Maria; Vaher, Merike; Palk, Klairy NoSSS2009 : 5th Conference on Separation and Related Techniques by Nordic Separation Science Society : 26-29 August, 2009, Tallinn University of Technology, Estonia : abstract book and program 2009 / p. 125

Asendamatud rasvhapped ja nendega kaasnevad müüdid : kas oomega-3 võrdub kalaõli?

Salm, Eliis Vegan 2021 / lk. 20-22 : fot https://www.ester.ee/record=b4622387*est

Characterization of bitter off-taste stimuli in sunflower press cake using the sensomics approach

Huseynli, Lachinkhanim; Gigl, Michael; Müller, Jasmin; Walser, Christoph; Frank, Oliver; Vene, Kristel; Dawid, Corinna Journal of agricultural and food chemistry 2025 / p. 23548-23559 <https://doi.org/10.1021/acs.jafc.5c07283>

Differences in the substrate binding between highly identical catalase-related fatty acid hydroperoxide-metabolizing enzymes [Online resource]

Teder, Tarvi; Lõhelaid, Helike; Samel, Nigulas XVth International Conference of the Lithuanian Biochemical Society : the programme and abstract book : Dubingiai, June 26-29, 2018 2018 / p. 67-68 <https://www.docdroid.net/tVouRrC/abstract-book.pdf>

Eicosanoid diversity of stony corals

Lõhelaid, Helike; Samel, Nigulas Marine drugs 2018 / p. 1-14 : ill <https://doi.org/10.3390/md16010010> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Fatty acids bind tightly to the N-terminal domain of angiopoietin-like protein 4 and modulate its interaction with lipoprotein lipase

Robal, Terje; Larsson, Mikael; **Martin, Miina**; Olivecrona, Gunilla; **Lõokene, Aivar** The journal of biological chemistry 2012 / p. 29739-29752 : ill <https://pubmed.ncbi.nlm.nih.gov/22773878/>

Identification and characterization of a naturally occurring 11R-lipoxygenase

Järving, Reet; Mortimer, Monika; Brash, Alan R.; **Samel, Nigulas; Järving, Ivar** Prostaglandins & other lipid mediators 2006 / 1/2, p. 184 https://www.researchgate.net/publication/278279948_Identification_and_characterization_of_a_naturally_occurring_11R-lipoxygenase

Identification and characterization of an arachidonate 11R-lipoxygenase

Mortimer, Monika; Järving, Reet; Brash, Alan R.; **Samel, Nigulas; Järving, Ivar** Archives of biochemistry and biophysics 2006 / 1, p. 147-155 : ill <https://www.sciencedirect.com/science/article/pii/S0003986105004455>

Identification of bitter off-taste compounds in sunflower press cake using sensomics approach

Huseynli, Lachinkhanim; Hald, Christoph; Dawid, Corinna; Vene, Kristel 16th Baltic Conference on Food Science and Technology "Traditional meets non-traditional in future food" : FOODBALT 2023 : Book of abstracts 2023 / p. 128 https://conferences.llu.lv/sites/llucs/files/conferences/foodbalt_2023/menu_attachments/FoodBalt_2023_Abstract_book.pdf

Identification of bitter off-taste compounds in sunflower press cake using sensomics approach : [abstract]

Huseynli, Lachinkhanim; Hald, Christoph; Dawid, Corinna; Vene, Kristel FoodBalt 2023: 16th Baltic Conference on Food Science and Technology "Traditional Meets Non-Traditional in Future Food", Jelgava, [Latvia], May 11–12, 2023 : abstract book 2023 / p. 128 https://lbtufb.lbtu.lv/conference/foodbalt/2023/FoodBalt_2023_Abstract_book.pdf

Kapillaarelektroforees derivatiseerimata rasvhapete analüüs

Palk, Klairy; Borissova, Maria XXXII Eesti Keemiapäevad : teaduskonverentsi teesid 2011 / lk. 72

Kuidas tõmmata mälü halvenemisele õigete valikutega pidur peale

Liebert, Tiit Tervis 2023 / Lk. 2

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](#)

Novel fatty acid dioxygenases from the corals Plexaura homomalla and Gersemia fruticosa

Koljak, Reet 2001 https://www.ester.ee/record=b1551345*est

Oxidation of C18 hydroxylpolyunsaturated fatty acids to epoxide or ketone by catalase-related hemoproteins activated with iodosylbenzene

Teder, Tarvi; Boeglin, William E.; Brash, Alan R. *Lipids* 2017 / p. 587-597 : ill <https://doi.org/10.1007/s11745-017-4271-0> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Oxidation products of free polyunsaturated fatty acids in wheat varieties

Levandi, Tuuli; Püssa, Tõnu; **Vaher, Merike**; Toomik, Peeter; **Kaljurand, Mihkel** *European journal of lipid science and technology* 2009 / 7, p. 715-722 : ill https://www.researchgate.net/publication/230008245_Oxidation_products_of_free_polyunsaturated_fatty_acids_in_wheat_varieties

Oxylipins : role in stem cell biology

Lõhelaid, Helike; **Teder, Tarvi** *Advances in Aquatic Invertebrate Stem Cell Research : From Basic Research to Innovative Applications* 2022 / p. 173-200 <https://doi.org/10.3390/books978-3-0365-1635-6-4>

A PDZ-like domain mediates the dimerization of 11R-lipoxygenase

Eek, Priit; **Põldemaa, Kaspar**; Kasvandik, Sergo; **Järving, Ivar**; **Samel, Nigulas** *Biochimica et Biophysica Acta (BBA) - molecular and cell biology of lipids* 2017 / p. 1121-1128 : ill <https://doi.org/10.1016/j.bbalip.2017.07.012> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Photocatalytic antibacterial activity of nano-TiO₂ (anatase)-based thin films : effects on Escherichia coli cells and fatty acids

Joost, Urmas; **Juganson, Katre**; Visnapuu, Meeri; Mortimer, Monika; Kahru, Anne; Nõmmiste, Ergo; Joost, Urmeli; Kisand, Vambola; Ivask, Angela *Journal of photochemistry and photobiology B : biology* 2015 / p. 178-185 : ill <https://doi.org/10.1016/j.jphotobiol.2014.12.010> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Polüeenhapete gamma- ja delta-kaksiksidemete selektiivne taandamine = Selective reduction of gamma- and delta-double bonds in polyunsaturated fatty acids

Järving, Ivar; Valmsen, Karin; **Lille, Ülo**; Lopp, Margus; **Pehk, Tõnis**; Samel, Nigulas XVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 17th Estonian Chemistry Days : abstracts of scientific conference 1996 / lk. 61-62 https://www.ester.ee/record=b1070511*est

Prevotella enterotype associates with diets supporting acidic faecal pH and production of propionic acid by microbiota

Adamberg, Signe; **Adamberg, Kaarel** *Heliyon* 2024 / art. e31134 <https://doi.org/10.1016/j.heliyon.2024.e31134> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Rainbow trout composition and fatty acid content in Estonia

Timberg, Loreida; **Kuldjärv, Rain**; **Koppel, Kadri**; **Paalme, Toomas** *Agronomy research* 2011 / p. 495-500 : ill

Rapid analysis of free fatty acid composition in Brassica rapa L. and Brassica napus L. extracts by surface-assisted laser desorption/ionization time-of-flight mass spectrometry

Borissova, Maria; **Palk, Klairy**; **Vaher, Merike** *Procedia chemistry* 2010 / p. 174-179 : ill <https://www.sciencedirect.com/science/article/pii/S1876619609004215>

Rasv ja rasvhapped : [R.Vokk vastab ajakirja küsimustele]

Vokk, Raivo; Jänes, Harri *Maakodu* 1999 / 10, lk. 31-32

Rasvhapete ja lipiidide ainevahetus : 12. osa

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

Rasvhappe dioksügenaasid alamatest organismidest : [ettekanne 14. okt. 2011 Eesti TA korraldatud akadeemik Paul Kogermani 120. sünniaastapäevale ja akadeemik Ülo Lille 80. sünnipäevale pühendatud seminaril "Orgaaniline-bioorgaaniline süntees"]

Samel, Nigulas *Tallinna Tehnikaülikooli aastaraamat* 2011 2012 / lk. 237-240 : ill

Structural and functional insights into the reaction specificity of catalase-related hydroperoxide lyase : a shift from lyase activity to allene oxide synthase by site-directed mutagenesis

Teder, Tarvi; **Lõhelaid, Helike**; **Samel, Nigulas** *PLoS ONE* 2017 / art. e0185291, p. 1-18 : ill <https://doi.org/10.1371/journal.pone.0185291> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A study of primary oxidation products of free polyunsaturated fatty acids in wheat varieties

Vaher, Merike; **Levandi, Tuuli**; Püssa, Tõnu; Toomik, Peeter; **Kaljurand, Mihkel** *Proceedings of World Congress on Oils and Fats & 28th ISF Congress : Sydney, Australia, 27-30 September 2009 / ? p*

Study of VFAs formation during anaerobic digestion of thermally treated sludge by respirometric Oxitop method

Menert, Anne; Michelis, Merje; **Helmja, Kati**; **Tahkoniemi, Heli Anneli**; **Vaalu, Tarmo**; Malsub, Tõnu; **Vilu, Raivo**; **Kaljurand, Mihkel** *Proceedings of 5th Conference on the Establishment of Cooperation between Companies and Institutions in the Baltic Sea Region* 2005 / p. 563 <https://open.lnu.se/index.php/eco-tech/article/view/2186>

Tensile and surface wettability properties of the solvent cast cellulose fatty acid ester films

Kallakas, Heikko; Kattamanchi, Tanuj; Kilumets, Catherine; Tarasova, Elmira; Krasnou, Illia; Savest, Natalja; **Ahmadian, Iman; Kers, Jaan;** Krumme, Andres Polymers 2023 / art. 2677 <https://doi.org/10.3390/polym15122677> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The gut microbiota of healthy individuals remains resilient in response to the consumption of various dietary fibers

Pihelgas, Susan; Ehala-Aleksejev, Kristel; **Adamberg, Signe;** Kazantseva, Jekaterina; **Adamberg, Kaarel** Scientific reports 2024 / art. 22208, 13 p. : ill <https://doi.org/10.1038/s41598-024-72673-9> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The use of lipid oxidation indicators to assess the quality deterioration of potato chips during accelerated shelf-life tests

Leppik, Kärt; Lang, Hanna; Kuhtinskaja, Maria; Rosenvald, Sirli Journal of Food Stability 2022 / p. 1-20
<https://doi.org/10.36400/J.Food.Stab.5.2.2022-0015> <https://www.ajol.info/index.php/jfs/article/view/233766>

UPLC/MS based method for quantitative determination of fatty acid composition in Gram-negative and Gram-positive bacteria

Špitsmeister, Merli; **Adamberg, Kaarel; Vilu, Raivo** Journal of microbiological methods 2010 / p. 288-295
<https://www.sciencedirect.com/science/article/pii/S016770121000237X>

Valorization of Baltic Sea farmed blue mussels: Chemical profiling and prebiotic potential for nutraceutical and functional food development

Adler, Indrek; Kotta, Jonne; Robal, Marju; Humayun, Sanjida; **Vene, Kristel;** Tuvikene, Rando Food Chemistry: X 2024 / art. 101736, 14 p. <https://doi.org/10.1016/j.fochx.2024.101736> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Исследование жирнокислотного состава рыбьих жиров : сообщение 1

Siimer, Enn; Tauts, Olev; Meister, K. Технология пищевых производств. 2 1971 / с. 73-78 https://www.ester.ee/record=b1475923*est
<https://digikogu.taltech.ee/et/Item/63f3c26f-8104-4e33-a10e-83512b7e2b87/>