

Akvaariumi kolijatel tekkisid mürgistusnähud [Võrguväljaanne]

Nael, Merili err.ee 2021 ["Akvaariumi kolijatel tekkisid mürgistusnähud"](#)

Alleenoksiidi süntaas-lipoksügenaas liitvalgu rada on üldlevinud korallides

Lõhelaid, Helike; Järving, Reet; Järving, Ivar; Samel, Nigulas XXX Eesti keemiapäevad : teaduskonverentsi teesid = 30th Estonian Chemistry Days : abstracts of scientific conference 2007 / lk. 84-85

Alleenoksiidi süntees korallis lipoksügenaasi ja katalaastüüpi domeenidest koosneva bifunktsionaalse ensüümi abil

Koljak, Reet; Shieh, Bih-Hwa; Brash, Alan R. XXIII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid 1997 / lk. 52

Allene oxide synthase-lipoxygenase pathway in coral stress response = Alleenoksiidi süntaas-lipoksügenaasi rada korallide stressivastuses

Lõhelaid, Helike 2015 <https://digi.lib.ttu.ee/ii/?1870> https://www.ester.ee/record=b4446782*est

Allene oxide synthesis in coral by a novel bifunctional enzyme with lipoxygenase and catalase-like domains

Koljak, Reet; Shieh, Bih-Hwa; Brash, Alan R. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 58

Bacterial communities associated with healthy and diseased (skeletal growth anomaly) reef coral *Acropora cytherea* from Palk Bay, India

Rajasabapathy, Raju; **Ramasamy, Kesava Priyan;** Manikandan, Balakrishnan; Mohandass, Chellandi; James, Rathinam Arthur Frontiers in marine science 2020 / art. 92, 8 p. : ill <https://doi.org/10.3389/fmars.2020.00092> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A catalase-related hemoprotein in coral is specialized for synthesis of short-chain aldehydes : discovery of P450-type hydroperoxide lyase activity in a catalase

Teder, Tarvi; Lõhelaid, Helike; Boeglin, William E.; Calcutt, Wade M.; Brash, Alan R.; **Samel, Nigulas** Journal of biological chemistry 2015 / p. 19823-19832 : ill <https://doi.org/10.1074/jbc.M115.660282> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Characterization of two cyclooxygenase genes in the coral *Gersemia fruticosa*

Järving, Reet; Järving, Ivar; Kurg, Reet; **Varvas, Külliki; Valmsen, Karin;** Brash, Alan R.; **Samel, Nigulas** 2nd Joint Symposium on "Plant Oxylipins" : June 12-14, 2003, Göttingen, Germany (invited lecture) 2003 / ? p

Coral dioxygenases : comparison and contrast with other dioxygenases

Samel, Nigulas; **Varvas, Külliki; Koljak, Reet;** Valmsen, Karin; **Järving, Ivar** 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 138

Dioksügenaasid korallis *Gersemia fruticosa* : hapniku allikas, selektiivsete inhibiitorite toime

Varvas, Külliki; Järving, Ivar; Koljak, Reet; Valmsen, Karin; Müürisepp, Aleksander-Mati; **Liiv, Milana;** Samel, Nigulas XXIII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid 1997 / lk. 152

Distinct characteristics of the substrate binding between highly homologous catalase-related allene oxide synthase and hydroperoxide lyase

Teder, Tarvi; Samel, Nigulas; Lõhelaid, Helike Archives of biochemistry and biophysics 2019 / art. 108126, 10 p. : ill <https://doi.org/10.1016/j.abb.2019.108126> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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](#)

Endoperoxide pathway in prostaglandin biosynthesis in the soft coral *Gersemia fruticosa*

Varvas, Külliki; Koljak, Reet; Järving, Ivar; Pehk, Tõnis; Samel, Nigulas Tetrahedron letters 1994 / 44, p. 8267-8270

Enzymatic oxidation of arachidonic acid in the coral *Gersemia fruticosa*

Varvas, Külliki 1999 http://www.ester.ee/record=b1273068*est

Ergosterooli muundamine 9,11-secosteroolide saamiseks

Jäälaid, Raissa; **Veressinina, Jelena;** Järving, Ivar; **Pehk, Tõnis; Lille, Ülo** XXIII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid 1997 / lk. 37

Evidence of a cyclooxygenase-related prostaglandin synthesis in coral

Varvas, Külliki; Järving, Ivar; Koljak, Reet; Valmsen, Karin; Brash, Alan R.; Samel, Nigulas Journal of biological chemistry 1999 / 15, p. 9923-9929

First symbiotic association between hederelloids and rugose corals (latest Silurian of Saaremaa, Estonia)

Vinn, Olev; Wilson, Mark A.; Madison, Anna; Kazantseva, Elizaveta; **Toom, Ursula** Palaios 2022 / p. 368–373 : ill., map
<https://doi.org/10.2110/palo.2022.005> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Growth characteristics of *Protoheliolites norvegicus* (Tabulata; Upper Ordovician; Estonia)

Liang, Kun; Lee, Dong-Jin; Elias, Robert J.; **Pärnaste, Helje; Mötus, Mari-Ann** Palaeontology 2013 / p. 867 - 891
<https://doi.org/10.1111/pala.12022> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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 a functional allene oxide synthase-lipoxygenase fusion protein in the soft coral *Gersemia fruticosa* suggests the generality of this pathway in octocorals

Löhela, Helike; Järving, Reet; Valmsen, Karin; Varvas, Külliki; Kreen, Malle; Järving, Ivar; Samel, Nigulas Biochimica et biophysica acta 2008 / 2, p. 315-321 <https://www.sciencedirect.com/science/article/abs/pii/S030441650700253X>

Imetaja ja koralli tsüklooksügenaasi struktuurerinevused

Valmsen, Karin; Koljak, Reet; Järving, Ivar; Varvas, Külliki; Samel, Nigulas XXV Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 25th Estonian Chemistry Days : abstracts of scientific conference 1999 / lk. 188

Kaitsealused kivistised Eestis - käsnad ja korallid

Nestor, Heldur Loodusesõber 2011 / 5, lk. 17-19 : ill

Kaks tsüklooksügenaasi kodeerivat geeni korallist *Gersemia fruticosa*

Järving, Reet; Järving, Ivar; Samel, Nigulas XXVIII Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 28th Estonian Chemistry Days : abstracts of scientific conference 2002 / lk. 35

Korallide dioksügenaasid : võrdlus teiste dioksügenaasidega

Samel, Nigulas; **Varvas, Külliki; Koljak, Reet; Valmsen, Karin; Järving, Ivar** XXIII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid 1997 / lk. 127

Korallide uurimine teenib ravimiarendust : [TTÜ keemiainstituudi bioorgaanilise keemia õppetoolis valminud artiklid ilmusid biokeemia tippajakirjades]

Aru, Erik Mente et Manu 2012 / lk. 9 https://www.ester.ee/record=b1242496*est

11R-lipoksügenaasi kristallstruktuuri mudel

Eek, Priit; Järving, Reet; Järving, Ivar; Newcomer, Marcia E.; **Samel, Nigulas** XXXII Eesti Keemiapäevad : teaduskonverentsi teesid 2011 / lk. 18

Lipoxygenase-allene oxide synthase pathway in octocoral thermal stress response

Löhela, Helike; Teder, Tarvi; Samel, Nigulas Coral reefs 2015 / p. 143-154 : ill <https://doi.org/10.1007/s00338-014-1238-y> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Morphological variation of the tabulate coral *Paleofavosites cf. collatatus* Klamann, 1961 from the Silurian of the Bagovichka River localities, Podolia (Ukraine)

Mötus, Mari-Ann; Grytsenko, Volodymyr Estonian journal of earth sciences 2007 / 3, p. 143-156 : ill

New cytotoxic sterols from the soft coral *Gersemia fruticosa*

Koljak, Reet; Lopp, Annika; **Pehk, Tõnis; Varvas, Külliki**; Müürisepp, Aleksander-Mati; **Järving, Ivar**; Samel, Nigulas Tetrahedron 1998 / p. 179-186

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

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

Oxidative metabolism of arachidonic acid in coral: definition of different cyclooxygenase and lipoxygenase pathways

Varvas, Külliki; Järving, Ivar; Koljak, Reet; Valmsen, Karin; Samel, Nigulas 24th Estonian Chemistry Days : abstracts of scientific conference 1998 / p. 79

Pernova haridusmajas lõppesid bioloogilise mürgi neutraliseerimistööd [Võrguväljaanne]

Rallmann, Merle pamu.postimees.ee 2021 ["Pernova haridusmajas lõppesid bioloogilise mürgi neutraliseerimistööd"](#)

Pernova loodusmaja töötajad taastuvad mürgistusest [Võrguväljaanne]

Link, Eno-Gerrit postimees.ee 2021 ["Pernova loodusmaja töötajad taastuvad mürgistusest"](#)

PGG2 as a key intermediate in prostaglandin biosynthesis in the coral *Gersemia fruticosa*

Samel, Nigulas; **Varvas, Külliki**; Koljak, Reet; **Pehk, Tõnis**; **Järving, Ivar** 9th International Conference on Prostaglandins and Related Compounds, Florence, Italy, 1994 : abstract book 1994 / p. 135

Prostaglandiinide biosüntees korallides

Samel, Nigulas; **Järving, Ivar**; **Varvas, Külliki**; **Koljak, Reet**; **Pehk, Tõnis** Eesti Teaduste Akadeemia aastaruanne 1994 1995 / lk. 54-55

Prostaglandiinide biosüntees korallides : kommentaar Eesti Vabariigi teaduse aastapreemia pälvinud tööle

Samel, Nigulas Tallinna Tehnikaülikooli aastaraamat 2001 2003 / lk. 184-192 : ill

Prostaglandiinide biosüntees korallides

Samel, Nigulas; **Varvas, Külliki**; **Koljak, Reet**; **Järving, Ivar**; **Pehk, Tõnis** XVI Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 16th Estonian chemistry days : abstracts of scientific conference 1995 / lk. 125-127

[P]rostaglandiinide süntees korallis *Plexaura homomalla* : tsüklooksügenaaside stereospetsiifilisuse struktuurilised determinandid

Valmsen, Karin; **Samel, Nigulas** XXX Eesti keemiapäevad : teaduskonverentsi teesid = 30th Estonian Chemistry Days : abstracts of scientific conference 2007 / lk. 179-180

Prostaglandin synthesis in the coral *Plexaura homomalla* : control of prostaglandin stereochemistry at carbon 15 by cyclooxygenases

Valmsen, Karin; **Samel, Nigulas** 2007 https://www.ester.ee/record=b2315934*est

Rare rugosan-bryozoan intergrowth from the Upper Ordovician of Estonia

Vinn, Olev; Ernst, Andrej; **Toom, Ursula** Carnets de geologie 2017 / p. 145-151 : ill <https://doi.org/10.4267/2042/62664> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Silurian (Llandovery-Wenlock) tabulate corals of Baltoscandia: taxonomy, palaeoecology, distribution

Mõtus, Mari-Ann 2005

Stromatoporoid-coral/tubeworm intergrowths in the lowermost Silurian Varbola Formation of Estonia: first evidence of competitive interaction

Jeon, Juwan; Vinn, Olev; Liang, Kun; Zapalski, M. K.; **Toom, Ursula**; Kershaw, Stephen Lethaia 2022 / p. 1-13 : ill <https://doi.org/10.18261/let.55.2.4> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Structural and catalytic aspects of the catalase-related fatty acid hydroperoxide lyase = Katalaasilaadse hüdroperoksiidlüaasi struktuurid ja katalüütilised omadused

Teder, Tarvi 2019 <https://digikogu.taltech.ee/et/Item/8a4b253d-68e4-41e5-bcc4-273e9f2fa3d2>

Structural and functional comparison of 15S- and 15R-specific cyclooxygenases from the coral *Plexaura homomalla*

Valmsen, Karin; Boeglin, William E.; **Järving, Ivar**; Schneider, Claus; **Varvas, Külliki**; Brash, Alan R.; **Samel, Nigulas** Eur. J. Biochem. 2004 / p. 3533-3538 : ill <https://febs.onlinelibrary.wiley.com/doi/full/10.1111/j.0014-2956.2004.04289.x>

Symbiosis of rugose corals with the cystoporate bryozoan *fistulipora przhidolensis* in the pridoli (Latest Silurian) of Saaremaa, Estonia

Vinn, Olev; Ernst, Andrej; Wilson, Mark A.; **Toom, Ursula** Palaios 2020 / p. 237 - 244 <https://doi.org/10.2110/PAL0.2020.019> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The basis of prostaglandin synthesis in coral : molecular cloning and expression of a cyclooxygenase from the arctic soft coral *Gersemia fruticosa*

Koljak, Reet; **Järving, Ivar**; Kurg, Reet; Boeglin, William E.; **Varvas, Külliki**; **Valmsen, Karin**; Ustav, Mart; Brash, Alan R.; **Samel, Nigulas** Journal of biological chemistry 2001 / 10, p. 7033-7040 : ill

The dioxygenases in the soft coral *Gersemia fruticosa* : origin of the oxygen, the eff[e]ct of selective inhibitors

Varvas, Külliki; **Järving, Ivar**; **Koljak, Reet**; **Valmsen, Karin**; Müürisepp, Aleksander-Mati; **Liiv, Milana**; **Samel, Nigulas** 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 160

The origin of 15R-prostaglandins in the Caribbean coral *Plexaura homomalla* : molecular cloning and expression of a novel cyclooxygenase

Valmsen, Karin; **Järving, Ivar**; Boeglin, William E.; **Varvas, Külliki**; **Koljak, Reet**; **Pehk, Tõnis**; Brash, Alan R.; **Samel, Nigulas** Proceedings of the National Academy of Sciences of the United States of America 2001 / 14, p. 7700-7705 <https://www.pnas.org/doi/full/10.1073/pnas.131022398>

Transformation of ergosterol towards 9,11-secosterols

Jäälaid, Raissa; Veressinina, Jelena; Järving, Ivar; Pehk, Tõnis; Lille, Ülo 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 42

Up-regulated expression of AOS-LOXa and increased eicosanoid synthesis in response to coral wounding

Lõhelaid, Helike; Teder, Tarvi; Tõldsepp, Kadri; Ekins, Merrick; Samel, Nigulas PLoS ONE 2014 / p. 1-9 : ill

<https://doi.org/10.1371/journal.pone.0089215> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Uued tsütotoksilised steroidid korallist *Gersemia fruticosa* = New cytotoxic sterols from the soft coral *Gersemia fruticosa*

Koljak, Reet; Lopp, Annika; Pehk, Tõnis; Varvas, Külliki; Järving, Ivar; Samel, Nigulas XVII Eesti keemiapäevad :

teaduskonverentsi ettekannete referaadid = 17th Estonian Chemistry Days : abstracts of scientific conference 1996 / lk. 81-82

https://www.eester.ee/record=b1070511*est

Uus 8-lipoksügenaas korallist *Gersemia fruticosa*

Lõhelaid, Helike; Mortimer, Monika; Järving, Reet; Varvas, Külliki; Samel, Nigulas; Järving, Ivar XXVIII Eesti keemiapäevad :

teaduskonverentsi ettekannete teesid = 28th Estonian Chemistry Days : abstracts of scientific conference 2002 / lk. 81-82

9,11-sekosterooli D-ringi vaheühendi süntees ja suhtelise konfiguratsiooni määramine

Kõllo, Marek; Aav, Riina; Lopp, Margus XXXII Eesti Keemiapäevad : teaduskonverentsi teesid 2011 / lk. 52 : ill