

Analysis of volatile compounds produced by different species of lactobacilli in rye sourdough using multiple headspace extraction

Kaseleht, Kristel; Paalme, Toomas; Mihhalevski, Anna; Sarand, Inga International journal of food science & technology 2011 / p. 1940-1946

Antagonistic activity of lactic acid bacteria against yeast isolated from flour

Maliarenko, Yana; Garmasheva, Inna; **Lipova, Inna**; Oleschenko, Liubov Conference materials "Youth and modern problems of microbiology and virology" : IV young scientists conference, Kyiv, Ukraine, 15-17 November 2022 : Abstracts book 2022 / p. 18 https://imv.org.ua/wp-content/uploads/2022/12/Conference-materials_2022.pdf

Assessment of spoilage microbial communities in modified atmosphere-packed ready-to-eat salad during cold storage : A comparative study using MALDI-TOF MS identification and PacBio full-length 16S rRNA and ITS sequencing

Asadi, Atefeh; Angerjas, Anna; Paalme, Viiv; Huseynli, Lachinkhanim; Sarand, Inga International Journal of Food Microbiology 2025 / art. 111268 <https://doi.org/10.1016/j.ijfoodmicro.2025.111268>

Carbohydrate fermentation by non-starter lactic acid bacteria isolated from Danish cheese

Adamberg, Kaarel; Antonsson, M.; Ardö, Ylva; Waagner Nielsen, E.; Vogensen, Finn K. Food and nutrition = Toit ja toitumine 2002 / p. 104-105

Carbohydrate fermentation by non-starter lactic acid bacteria isolated from Danish cheese

Adamberg, Kaarel; Antonsson, M.; Ardö, Ylva; Waagner Nielsen, E.; Vogensen, Finn K. Future food - ascientific perspective abstract collection. LMC kongress at DTU, January 16-17, 2002, Denmark 2002 / p. 27

Characterisation of the dynamics of the lactic acid bacterial population of finnish and estonian open texture cheeses

Stulova, Irina; Taivosalo, Anastassia; Blank, Liisi; Laht, Tiiu-Maie 22nd International ICFMH Symposium Food Micro2010 : Copenhagen, 30th August-3rd September : abstract book 2010 / p. 77

Characterization of growth of lactic acid bacteria in milk: microcalorimetric approach

Stulova, Irina; Kabanova, Natalja; Kriščiunaite, Tiina; Laht, Tiiu-Maie; Vilu, Raivo The 1st Congress of Baltic Microbiologists : Riga, Latvia, 31.10. - 4.11.2012 : book of abstracts 2012

Comparison of lactic acid bacteria population in the continously propagated industrial rye sourdough starter and the original lyophilised starter

Viiard, Ene; Morozozova, S.; Sarand, Inga Food and nutrition = Toit ja toitumine 2009 / p. 10-21 : ill

Development and applications of chemically defined media for lactic acid bacteria = Defineeritud koostisega söötmete arendamine ja kasutusalad piimhappebakteritele

Aller, Kadri 2016 http://www.ester.ee/record=b4567664*est

Development of a microcalorimetric method for the study of fermentation processes = Kalorimeetrilise meetodi väljatöötamine fermentatsiooniprotsesside uurimiseks

Kabanova, Natalja 2013 https://www.ester.ee/record=b2945255*est

Diversity and stability of lactic acid bacteria during rye sourdough propagation = Piimhappebakterite mitmekesisus ja stabiilsus rukkileivajuurelise uuendamisel

Viiard, Ene 2014 https://www.ester.ee/record=b4440228*est

Diversity and stability of lactic acid bacteria in rye sourdoughs of four bakeries with different propagation parameters

Viiard, Ene; Bessmeltseva, Marianna; Simm, Jaak; Talve, Tiina; Aaspõllu, Anu; Paalme, Toomas; Sarand, Inga PLoS ONE 2016 / art. e0148325 <https://doi.org/10.1371/journal.pone.0148325> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Diversity of lactic acid bacteria in rye sourdough

Sarand, Inga; Paalme, Toomas The 9th Symposium on Lactic Acid Bacteria : Egmond aan Zee, The Netherlands, August 31 - September 4, 2008 : abstract book 2008 / p. A058

Dynamics of lactic acid bacteria and flavour formation during ripening of hard cheese

Blank, Liisi; Panke, Marta; Stulova, Irina; Laht, Tiiu-Maie 6th IDF Cheese Ripening and Technology Symposium : May 21-24, 2012, Madison, Wisconsin, USA 2012

Dynamics of lactic acid bacteria throughout the ripening of semi-hard open texture cheeses

Blank, Liisi; Panke, Marta; Stulova, Irina; Laht, Tiiu-Maie Abstract book : 10-th Symposium on Lactic Acid Bacteria : Egmond aan Zee, Holland, 28.august - 01.september 2011 2011

Eesti teadlased on suutnud tervislikuks muuta nii šokolaadi kui ka kröpsud

Raamets, Heli Maaleht 2021 / Lk. 12-13 : ill <https://dea.digar.ee/article/maaleht/2021/04/01/13.2>

Eestlaste loodud uus bakter tõi kõrge tunnustuse : [prof. Raivo Vilu`le]

Raamets, Heli; **Vilu, Raivo** Maaleht 2017 / lk. 9 <https://maaleht.delfi.ee/artikkel/79438988/eestlaste-loodud-uus-bakter-toi-korge-tunnustuse>

Effect of stress pretreatment on survival of probiotic bacteria in gastrointestinal tract simulator

Sumeri, Ingrid; Arike, Liisa; Stekolštšikova, Jelena; Uusna, Riin; **Adamberg, Signe; Adamberg, Kaarel; Paalme, Toomas**

Applied microbiology and biotechnology 2010 / 6, p. 1925-1931 : ill <https://pubmed.ncbi.nlm.nih.gov/20107984/>

Evaluation of microbial dynamics of kombucha consortia upon continuous backslopping in coffee and orange juice

Andreson, Maret; Kazantseva, Jekaterina; Malv, Esther; Kuldjäär, Rain; Priidik, Reimo; Kütt, Mary-Liis Foods 2023 / art. 3545

<https://doi.org/10.3390/foods12193545> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Evaluation of the microbial community in industrial rye sourdough upon continuous back-slopping propagation revealed Lactobacillus helveticus as the dominant species

Viard, Ene; Mihhalevski, Anna; Rühka, Tiina; **Paalme, Toomas; Sarand, Inga** Journal of applied microbiology 2013 / p. 404-412 :

ill <https://doi.org/10.1111/jam.12045> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Excess of threonine compared with serine promotes threonine aldolase activity in Lactococcus lactis IL1403

Aller, Kadri; Adamberg, Kaarel; Reile, Indrek; **Timarova, Veronica; Peebo, Karl; Vilu, Raivo** Microbiology 2015 / p. 1073-1080 :

ill <https://doi.org/10.1099/mic.0.000071> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Fermentation of carbohydrates from cheese sources by non-starter lactic acid bacteria isolated from semi-hard Danish cheese

Adamberg, Kaarel; Antonsson, M.; Vogensen, Finn K.; Nielsen, E.W.; **Kask, Signe;** Moller, Peter L.; Ardö, Ylva International dairy journal 2005 / 6/9, p. 873-882

Fermentation of carbohydrates from cheese sources by non-starter lactic acid bacteria isolated from semi-hard Danish cheese

Adamberg, Kaarel; Antonsson, M.; **Kask, Signe** IDF Symposium on Cheese: Ripening, Characterization and Technology : book of abstracts 2004 / p. 33

Growth of thermophilic starter bacteria in non-irradiated and irradiated reconstituted milk

Stulova, Irina; Kabanova, Natalja; Kriščiunaite, Tiina; Taivosalo, Anastassia; **Laht, Tiiu-Maie; Vilu, Raivo** 23rd International ICFMH Symposium FoodMicro 2012 : Istanbul, Turkey, 3-7 September 2012 : Global Issues In Food Microbiology : abstract book 2012 / p. 725

Hapendatud kõõgiviljad võivad aidata erinevate seedepeetavate korral

novaator.err.ee 2024 [Hapendatud kõõgiviljad võivad aidata erinevate seedepeetavate korral](#)

Isolation and identification of novel non-dairy starter culture candidates from plant matrix using backslopping propagation

Andreson, Maret; Kazantseva, Jekaterina; Kallastu, Aili; Jakobson, Taaniel; **Sarand, Inga;** Kütt, Mary-Liis Fermentation 2024 / art.

663 <https://doi.org/10.3390/fermentation10120663> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Juustu juhusliku mikrofloora piimhappebakterite kasvu uurimine süsivesikutevaeses keskkonnas

Adamberg, Kaarel; Kask, Signe; Laht, Tiiu-Maie; Paalme, Toomas XXVIII Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 28th Estonian Chemistry Days : abstracts of scientific conference 2002 / lk. 17-18

Media development experiments for lactic acid bacteria : stressful, yet useful

Aller, Kadri; Adamberg, Kaarel; Timarova, Veronica; Vilu, Raivo TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiad" : 04.-05. märts 2014, Tartu 2014 / [1] p

Metabolic peculiarities of lactic acid bacteria enabling their growth in cheese

Adamberg, Kaarel; Kask, Signe; Laht, Tiiu-Maie; Paalme, Toomas Proceedings & abstracts of the 18th International ICFMH Symposium "Food Micro 2002", Lillehammer, Norway, 18-23 August, 2002 2002 / p. 178

Microcalorimetric study of growth of Lactococcus lactis IL 1403 at different glucose concentrations in broth

Kabanova, Natalja; Kazarjan, Aram; **Stulova, Irina; Vilu, Raivo** Termochimica Acta 2009 / 1/2, p. 87-92 : ill

<https://www.sciencedirect.com/science/article/pii/S0040603109002895>

Microcalorimetric study of growth of Lactococcus lactis IL1403 at low glucose concentration in liquids and solid agar gels

Kabanova, Natalja; Stulova, Irina; Vilu, Raivo Termochimica acta 2013 / p. 69-75 : ill <https://doi.org/10.1016/j.tca.2013.02.013>

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

Microcalorimetric study of the growth of bacterial colonies of *Lactococcus lactis* IL1403 in agar gels

Kabanova, Natalja; Stulova, Irina; Vilu, Raivo Food microbiology 2012 / p. 67-79 : ill

<https://www.sciencedirect.com/science/article/pii/S0740002011002036>

Microcalorimetric study of the growth of *Streptococcus thermophilus* in renneted milk

Stulova, Irina; Kabanova, Natalja; Kriščiunaite, Tiina; Adamberg, Kaarel; Laht, Tiiu-Maie; Vilu, Raivo Frontiers in microbiology

2015 / p. 1-13 : ill <https://doi.org/10.3389/fmicb.2015.00079> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Mixed culture fermentations of lactic acid bacteria and yeast

Kasemets, Kaja; Paalme, Toomas 8th European Congress on Biotechnology, August 17-21, 1997, Budapest : book of abstracts

1997 / p. 205, TU2413

Piimhappebakterid aitavad muuta hernevalgu maitse mahedamaks

novaator.err.ee 2025 <https://novaator.err.ee/1609767945/piimhappebakterid-aitavad-muuta-hernevalgu-maitse-mahedamaks>

Piimhappebakterid kui probiootikumid. Nende kasutamine tervislikes piimatoodetes

Laht, Tiiu-Maie; Kask, Signe EMS 96 teaduskonverents, 6.-7. juuni 1996, Tallinn = EMS 96 Scientific Conference, 6-7 June 1996, Tallinn 1996 / [1] p

Population dynamics of lactic acid bacteria in industrial rye sourdough and the characterization of dominating species

Viiard, Ene; Mihhalevski, Anna; Paalme, Toomas; Sarand, Inga Food and nutrition = Toit ja toitumine. XVII : book of abstracts : the 5th Baltic Conference on Food Science and Technology : Foodbalt-2010 2010 / p. 121-122

Potential energy sources for growth of mesophilic lactobacilli in cheese

Laht, Tiiu-Maie; Kask, Signe; Paalme, Toomas NIZO Dairy Conference on Food Microbes 2001 : from Knowledge to Application : 13-15 June 2001, The Netherlands, Ede 2001 / p. 22

Protein turnover forms one of the highest maintenance costs in *Lactococcus lactis*

Lahtvee, Petri-Jaan; Seiman, Andrus; Arike, Liisa; Adamberg, Kaarel; Vilu, Raivo Microbiology 2014 / p. 1501-1512 : ill

<https://doi.org/10.1099/mic.0.078089-0> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Quantitative omics-level analysis of growth rate dependent energy metabolism in *Lactococcus lactis* = Kvantitatiivsetel oomika-meetoditel põhinev kasvuerikiirusest sõltuv *Loctococcus lactis*'e energiametabolismi analüüs

Lahtvee, Petri-Jaan 2012 https://www.ester.ee/record=b2931362*est

Selection of functional starter bacteria for type I sourdough process = Funktsionaalsete starterbakterite selektsioon tüüp I rukkileivajuurelise tootmiseks

Surženko, Marianna 2017 <https://digi.lib.ttu.ee/ii/?7674> https://www.ester.ee/record=b4677260*est

Steady state growth space study of *Lactococcus lactis* in D-stat cultures

Lahtvee, Petri-Jaan; Valgepea, Kaspar; Nahku, Ranno; Abner, Kristo; Adamberg, Kaarel; Vilu, Raivo Antonie van

Leeuwenhoek 2009 / 4, p. 487-496 <https://pubmed.ncbi.nlm.nih.gov/19603284/>

Study of cheese associated lactic acid bacteria under carbohydrate-limited conditions using D-stat cultivation

Adamberg, Kaarel; Adamberg, Signe; Laht, Tiiu-Maie; Ardö, Ylva; Paalme, Toomas Food biotechnology 2006 / 2, p. 143-160 : ill

<https://www.tandfonline.com/doi/abs/10.1080/08905430600709412>

Study on volatile compound production by individual lactic acid bacteria in dough using multiple headspace extraction

Kaseleht, Kristel; Paalme, Toomas; Mihhalevski, Anna; Sarand, Inga Food and nutrition = Toit ja toitumine. XVII : book of abstracts : the 5th Baltic Conference on Food Science and Technology : Foodbalt-2010 2010 / p. 97

Survival of cheese bacteria in a gastrointestinal tract simulator

Sumeri, Ingrid; Adamberg, Signe; Uusna, Riin; Sarand, Inga; Paalme, Toomas International dairy journal 2012 / p. 36-41 : ill

<https://www.sciencedirect.com/science/article/pii/S095869461200026X>

Survival of lactic acid bacteria in Estonian and Finnish open texture cheeses during gastrointestinal tract simulator (GITS) transit

Sumeri, Ingrid; Uusna, Riin; Adamberg, Signe; Sarand, Inga; Paalme, Toomas Food and nutrition = Toit ja toitumine. XVII : book of abstracts : the 5th Baltic Conference on Food Science and Technology : Foodbalt-2010 2010 / p. 115

The effect of change of temperature and pH on the growth of lactic acid bacteria. pH auxostat. Study

Adamberg, Kaarel; Kask, Signe; Laht, Tiiu-Maie; Paalme, Toomas Proceedings & abstracts of the 18th International ICFMH Symposium "Food Micro 2002", Lillehammer, Norway, 18-23 August, 2002 2002 / p. 179

The effect of change of temperature and pH on the growth of lactic acid bacteria. pH auxostat. Study

Adamberg, Kaarel; Kask, Signe; Laht, Tiiu-Maie; Paalme, Toomas 7th Symposium on Lactic Acid Bacteria - Genetics, Metabolism and Applications, Egmond aan Zee, The Netherlands, 1-5 September, 2002 : book of abstracts 2002

The effects of milk composition and treatment on the growth of Lactic Acid Bacteria = Piima koostise ja töötlemise mõju piimhappebakterite kasvule

Stulova, Irina 2013 https://www.ester.ee/record=b3003913*est

The influence of germinated hull-less barley sordough fermentation conditions on the microbiota development

Klava, Dace; Poisa, Iveta; Reidzane, Sanita; Kince, Tatjana; Kazantseva, Jekaterina; **Traksmaa, Anna** Rural sustainability research 2021 / p. 105-115 : ill <https://doi.org/10.2478/plua-2021-0022> [Journal metrics at Scopus](#) [Article at Scopus](#)

Toiduteadlane : „Toortoit on küll hea, aga ideaalis võiks pool sellest olla hapendatud.”

Maasikamäe, Sirje ohtuleht.ee 2024 [Toiduteadlane: „Toortoit on küll hea, aga ideaalis võiks pool sellest olla hapendatud.”](#)

Traditional breads from the Baltic Countries (Estonia, Latvia, Lithuania)

Sarand, Inga; Traksmaa, Anna; Klava, Dace; Kunkulberga, Daiga; Straumite, Evita; Galoburda, Ruta; Murniece, Ruta; Juodeikiene, Grazina; Bartkevics, Vadims; Bartkiene, Elena Traditional European breads : An illustrative compendium of ancestral knowledge and cultural heritage 2023 / p. 41–59 https://doi.org/10.1007/978-3-031-23352-4_2

Выращивание термофильных молочнокислых бактерий в ферментере

Kallaste, L.; Kask, Signe; Laht, Tiiu-Maie 35 научная конференция студентов втузов Эстонии, Латвии, Литвы, Белоруссии и Молдовы : [Таллинн, 1991] : доклады. Секция химии и технологии пищевых продуктов. Секция биотехнологии 1991 / с. 21-24: ил