A new method of continuous cultivation with computer controlled change of dilution rate
Paalme, Toomas; **Vilu, Raivo** Proceedings of ICCAFT5/IFAC2-BIO2, Keystone, Colorado, April, 1992 1992
https://www.sciencedirect.com/science/article/pii/S1474667017503766

A study on growth characteristics and nutrient consumption of Lactobacillus plantarum in A-stat culture
Kask, Signe; Laht, Tiiu-Maie; **Paalme, Toomas** Antonie van Leeuwenhoek journal of microbiology 1999 / p. 309-320

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

Application of 13C and fluorescence labeling in metabolic studies of Saccharomyces spp
Nisamedtinov, Ildar 2006 https://digi.lib.ttu.ee/i/?91 https://www.ester.ee/record=b2195814*est

Application of 13C-[2]- and 13C-[1,2] acetate in metabolic labelling studies of yeast and insect cells
Paalme, Toomas; **Nisamedtinov, Ildar**; **Abner, Kristo**; **Laht, Tiiu-Maie**; **Drews, Monika**; **Pehk, Tõnis** Antonie van Leeuwenhoek 2006 / 3/4, p. 443-457 https://link.springer.com/article/10.1007/s10482-005-9053-7

Application of continuous cultivation at maximum growth rate for ethanol production
Kasemets, Kaja; **Laht, Tiiu-Maie**; **Paalme, Toomas** Food and nutrition = Toit ja toitumine 1998 / p. 98-111: ill

Application of gas chromatography-olfactometry (GC-O) and correlation with sensory analysis = Gaaskromatograaf-olfaktomeetri (GC-O) rakendusvõimalused ja korreleerimine sensoorse analüüsiga
Rosenvald, Sirli 2017 http://www.ester.ee/record=b4743675*est https://digi.lib.ttu.ee/i/?9006

Application of isothermic calorimetry and dynamic viscosimetry in studies of rye bread staling
Mihhalevski, Anna; **Paalme, Toomas**; Petrova, V.; Osheka, A. 4th International Congress Flour - Bread ’07 [and] 6th Croatian Congress of Cereal Technologists : Opatija, Croatia, Grand Hotel Adriatic, October 24-27, 2007 : abstract book 2007 / p. 101

Application of isothermic calorymetry and dynamic viscosimetry in studies of rye bread staling
Mihhalevski, Anna; **Paalme, Toomas** Proceedings of the 4th International Congress on Flour-Bread '07 : Opatija, Croatia, Oct. 24-27 2008 / p. 451-455

Application of quai-steady-state cultures
Drews, Monika; **Nisamedtinov, Ildar**; **Paalme, Toomas** 1st International Congress on Bioreactor Technology in Cell, Tissue Culture and Biomedical Applications : 14-18 July, 2003, Tampere : proceedings 2003 / p. 218-225

Application of quai-steady-state cultures in laboratory and industrial practice
Drews, Monika; **Nisamedtinov, Ildar**; **Paalme, Toomas** 1st International Congress on Bioreactor Technology in Cell, Tissue Culture and Biomedical Applications : 14-18 July, 2003, Tampere : abstracts 2003 / p. 42

Applications of 15N-labeled yeast hydrolysates in metabolic studies of Lactococcus lactis and Saccharomyces cerevisiae = 15N-märgistatud pärmihüdrolüsaatide rakendused Lactococcus lactis'e ja Saccharomyces cerevisiae ainevahetuse uurimisel
Kevvai, Kaspar 2016 https://digi.lib.ttu.ee/i/?5142 https://www.ester.ee/record=b4567660*est

Applications of biotechnology in food engineering
Paalme, Toomas; **Adamberg, Kaarel**; **Eha, Kairit**; **Friedenthal, Margus**; **Järvekülg, Lilian**; **Laos, Katrin**; **Kasemets, Kaja**; **Kann, Aino**; **Kask, Signe**; **Laht, Tiiu-Maie**; **Sirendi, Meelis**; **Tauts, Olev**; **Tedersoo, Erge**; **Täht, Riina**; **Vokk, Raivo** Food and nutrition = Toit ja toitumine 2002 / p. 16-30

Assessment of bioavailable B vitamin content in food using in vitro digestibility assay and LC-MS SIDA
Paalme, Toomas; **Vilbaste, Allan**; Kevvai, Kaspar; **Nisamedtinov, Ildar**; Hälvin, Kristel Analytical and bioanalytical chemistry 2017 / p. 6475-6484 : tab https://doi.org/10.1007/s00216-017-0592-3 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A-stat in optimization of cultivation processes
Paalme, Toomas; **Vilu, Raivo** 213th American Chemical Society National Meeting. Division of Biochemical Technology, April 13-17, 1997, San Francisco, California : abstracts 1997 / p. BIOT 246

Auxo-accelerostat - a new effective cultivation system for culture characterisation
Adamberg, Kaarel; **Kasemets, Kaja**; **Paalme, Toomas** 1st International Congress on Bioreactor Technology in Cell, Tissue Culture and Biomedical Applications : 14-18 July, 2003, Tampere : proceedings 2003 / p. 115-125

Auxo-accelerostat - a new effective system for culture characterisation
Adamberg, Kaarel; **Kasemets, Kaja**; **Paalme, Toomas** 1st International Congress on Bioreactor Technology in Cell, Tissue Culture and Biomedical Applications : 14-18 July, 2003, Tampere : abstracts 2003 / p. 23

Baculovirus expression using chemostat culture of insect cells
Drews, Monika; **Paalme, Toomas** 213th American Chemical Society National Meeting. Division of Biochemical Technology, April 13-17, 1997, San Francisco, California : abstracts 1997 / p. BIOT 154

Baculovirus expression using continuous culture of insect cells
Drews, Monika; **Paalme, Toomas** Baculovirus and Insect Cell Gene Expression Conference : Pinehurst, N.C., March 26-30, 1995 1995 / p. 24

Bidirectionality and compartmentation of metabolic fluxes are revealed in the dynamics of isotopomer networks
Schryer, David; **Peterson, Pearu**; **Paalme, Toomas**; **Vendelin, Marko** International journal of molecular sciences 2009 / 4, p. 1697-1718 https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2680642/

Caseins from bovine colostrum strongly bind piscidin-1
Kütt, Mary-Liis; **Paalme, Toomas**; Stagsted, Jan TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiad" : 04.-05. märts 2014, Tartu 2014 / [1] p. : ill

Characterisation of Lactobacillus paracasei and L. curvatus isolated from Estonia cheeses
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

Characterisation of yeast strains using the A-stat method
Kasemets, Kaja; **Paalme, Toomas** Food microbiology and food safety into the next millennium : proceedings of the Seventeenth International Conference of the International Committee on Food Microbiology and Hygiene (ICFMH) : Veldoven, The Netherlands, 13-17 September, 1999 1999 / p. 644-645

Chemostat culture of Spodoptera frugiperda Sf9 cells : nutrient requirement and baculovirus expression
Drews, Monika; **Paalme, Toomas**; **Vilu, Raivo** Invertebrate cell cultures : novel directions and biotechnology applications 1997 / p. 115-122

Comparison of different extraction methods for simultaneous determination of B complex vitamins in nutritional yeast using LC/MS-TOF and stable isotope dilution assay
Hälvin, Kristel; **Paalme, Toomas**; **Nisamedtinov, Ildar** Analytical and bioanalytical chemistry 2013 / p. 1213-1222 : ill https://pubmed.ncbi.nlm.nih.gov/23150051/ https://doi.org/10.1007/s00216-012-6538-x Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Comparison of different extraction methods to determine free and bound forms of B-group vitamins in quinoa
Hälvin, Kristel; **Nisamedtinov, Ildar**; **Paalme, Toomas** Analytical and bioanalytical chemistry 2014 / p. 7355-7366 : ill https://doi.org/10.1007/s00216-014-8122-z Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Continuous cultivation of insect and yeast cells at maximum specific growth rate
Drews, Monika; **Kasemets, Kaja**; Nisamedtinov, Ildar; **Paalme, Toomas** Proceedings of the Estonian Academy of Sciences. Chemistry 1998 / 4, p. 175-188: ill

Cryo-protective effect of ice-binding proteins produced by Pseudomonas fluorescens AQP671 on wholegrain wheat bread dough during freezing and frozen storage
Luhila, Õnnela; **Karro, Kadi**; **Zakrevskaja, Karina**; **Nisamedtinov, Ildar**; **Paalme, Toomas**; **Laos, Katrin** LWT - food science and technology 2024 / art. 117160, 13 p. : ill https://doi.org/10.1016/j.lwt.2024.117160 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Crystallization of sugar solutions
Kikkas, Anna; Kirs, Evelin; **Laos, Katrin**; **Paalme, Toomas** 7th International Conference of Food Physicist : Senta, [Serbia & Montenegro], 30th June - 1st July 2006 2006 / [1] p

Crystallization of supersaturated saccharose in presence of glucose and fructose
Laos, Katrin; **Kirs, Evelin**; **Annuste, Tiina**; **Kikkas, Anna**; **Menert, Anne**; **Paalme, Toomas** 2nd Baltic Conference on Food Science and Technology : FOODBALT-2007 : Kaunas, June 13-14 : conference program and abstracts 2007 / p. 26

Crystallization of the supersaturated sucrose solutions in the presence of fructose, glucose and corn syrup [Electronic resource]
Laos, Katrin; **Kirs, Evelin**; **Annuste, Tiina**; **Kikkas, Anna**; **Menert, Anne**; **Paalme, Toomas** ECCE-6 : European Congress of Chemical Engineering : Copenhagen (Denmark), 16-20 September 2007 2007 / ? p. [CD-ROM]

Crystallization on supersaturated sucrose in the presence of fructose, glucose, corn syrup and lactose
Kirs, Evelin; **Laos, Katrin**; **Kikkas, Anna**; **Paalme, Toomas** Food and nutrition = Toit ja toitumine 2007 / p. 40-50 : ill

Determining aroma compounds using GC/MS
Kaseleht, Kristel; **Paalme, Toomas** Food and nutrition = Toit ja toitumine 2007 / p. 80-83

Determining aroma-active compounds in Kama flour using SPME-GC/MS and GC–olfactometry
Kaseleht, Kristel; Leitner, Erich; **Paalme, Toomas** Flavour and fragrance journal 2011 / 2, p. 122-128 : ill

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

D-stat
Nisamedtinov, Ildar; **Adamberg, Kaarel**; **Paalme, Toomas** 1st International Congress on Bioreactor Technology in Cell, Tissue Culture and Biomedical Applications : 14-18 July, 2003, Tampere : proceedings 2003 / p. 231-242

D-stat
Nisamedtinov, Ildar; **Adamberg, Kaarel**; **Paalme, Toomas** 1st International Congress on Bioreactor Technology in Cell, Tissue Culture and Biomedical Applications : 14-18 July, 2003, Tampere : abstracts 2003 / p. 45

Dynamic single fermenter model for study of survival and growth of probiotics in human upper gastrointestinal tract
Sumeri, Ingrid; Arike, Liisa; **Adamberg, Signe**; **Adamberg, Kaarel**; Liidemann, G.; Stekolštšikova, Jelena; **Laht, Tiiu-Maie**; **Paalme, Toomas** Book of abstracts : Gut Microbiology : Research to Improve Health, Immune Response and Nutrition : Aberdeen, Scotland, 21-23 June 2006 2006 / ? p

A dynamic single fermenter model of human upper gastrointestinal tract for study of probiotics
Sumeri, Ingrid; Arike, Liisa; **Adamberg, Signe**; **Adamberg, Kaarel**; **Laht, Tiiu-Maie**; **Paalme, Toomas** Proceedings of European Conference on Probiotics and their Applications : EUPROBIO 2005 : October 6-8, Krakow 2005 / p. 32
https://pubmed.ncbi.nlm.nih.gov/15808363/

E-ained mugavustoidus : [kommentaar K.Viironi artiklile "Millest kõneleb meile toidupakendil olev keeruline märgistus?", Eesti Päevaleht, 2. dets, lk. 9]
Paalme, Toomas; Viiron, Kristiina Eesti Päevaleht 2008 / 2. dets., lk. 9

E-ainetest on pungil ka kõige tavalisem toit : [kommenteerib ka TTÜ toiduainete instituudi professori Toomas Paalme]
Viiron, Kristiina; **Paalme, Toomas** Eesti Päevaleht 2007 / 28. sept., lk. 11

Effect of changing environmental conditions on the fermentative growth of Saccharomyces cerevisiae S288C: auxo-accelerostat study
Kasemets, Kaja 2006 https://digikogu.taltech.ee/et/item/63101bc8-ead9-4ce0-a441-1bd6815b7cd9 https://www.ester.ee/record=b2158103*est

Effect of different stressful environmental conditions on the expression of HSP12P-GFP2 fusion protein in Saccharomyces cerevisiae
Orumets, Kerti; **Nisamedtinov, Ildar**; Koplimaa, Mariane; **Paalme, Toomas** 2nd Baltic Conference on Food Science and Technology : FOODBALT-2007 : Kaunas, June 13-14 : conference program and abstracts 2007 / p. 27

Effect of slowly increasing temperature and NaCl concentration on the expression of Hsp12-GFP2 fusion protein in Saccharomyces cerevisisae : an auxo-accelerostat study
Nisamedtinov, Ildar; Lindsley, G.; Karreman, R.; Orumets, Kerti; Koplimaa, Mariane; **Paalme, Toomas** FinMed 2006 : 2nd International Conference on Bioreactor Technology in Cell, Tissue Culture and Biomedical Applicatios 2006 / p. 102-112

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/

Elucidation of metabolism network of mammalian cell line K562 using 2-14 C glucose label and stoichiometric modelling
Drews, Monika; **Paalme, Toomas** Animal cell technology : from vaccines to genetic medicine 1997 / p. 697-702

Establishment of microbial consortia in semi-solid laboratory rye sourdoughs during continuous propagation at different

fermentation temperatures
Viiard, Ene; **Bessmeltseva, Marjanna**; **Paalme, Toomas**; **Sarand, Inga** FoodMicro 2012 - Global Issues in Food Microbiology : 3-7 September 2012, Istanbul : book of abstracts 2012

Evaluation of ecotoxicological effects related to oil shale industry
Põllumaa, Lee 2004 https://www.ester.ee/record=b1994276*est

Evaluation of nutritional composition of raw material and rye baking products
Mihhalevski, Anna; **Hälvin, Kristel**; Ošeka, Aleksandra; **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. 110-111
https://www.ester.ee/record=b1189751*est

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

Evolution of bacterial consortia in spontaneously started rye sourdoughs during two months of daily propagation
Bessmeltseva, Marjanna; **Viiard, Ene**; **Simm, Jaak**; **Paalme, Toomas**; **Sarand, Inga** PLoS ONE 2014 / p. 1-12 : ill
https://doi.org/10.1371/journal.pone.0095449 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

"FermExpert" - an expert system for studies and optimization of processes of microbial synthesis
Vinter, T.; **Paalme, Toomas**; **Vilu, Raivo** Proceedings : ICCAFT5/IFAC-BIO2, Keystone, Colorado, 1992 1992
https://www.sciencedirect.com/science/article/pii/S1474667017504188#abs0005

Food category appraisal using sensory methods = Toidukategooriate väärindamine, kasutades sensoorseid meetodeid
Koppel, Kadri 2011

Food deterioration and stability
Laos, Katrin; **Paalme, Toomas**; **Kann, Aino** Food and nutrition = Toit ja toitumine 2007 / p. 31-39 : ill

Fotosünteesiva bakteri Chlorobium thiosulfatophilum CO2 fikseerimisreaktsioonide kvantitatiivsed mustrid heterotroofsetes kasvutingimustes
Abner, Kristo; **Paalme, Toomas**; **Vilu, Raivo** XXVI Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 26th Estonian Chemistry Days : abstracts of scientific conference 2000 / lk. 12-13

Glutathione accumulation in ethanol-stat fed-batch culture of Saccharomyces cerevisiae with a switch to cysteine feeding
Nisamedtinov, Ildar; Kevvai, Kaspar; **Orumets, Kerti**; Rautio, Jari; **Paalme, Toomas** Applied microbiology and biotechnology 2010 / 1, p. 175-183 : ill https://www.researchgate.net/publication/41850043_Glutathione_accumulation_in_ethanol-stat_fed-batch_culture_of_Saccharomyces_cerevisiae_with_a_switch_to_cysteine_feeding

Growth characteristics of non-starter lactic acid bacteria from cheese
Adamberg, Kaarel 2004 http://www.ester.ee/record=b1989773*est

Growth characteristics of Saccharomyces cerevisiae S288C in changing environmental conditions : auxo-accelerostat study
Kasemets, Kaja; **Nisamedtinov, Ildar**; **Laht, Tiiu-Maie**; **Abner, Kristo**; **Paalme, Toomas** Antonie van Leeuwenhoek 2007 / p. 109-128 : ill https://pubmed.ncbi.nlm.nih.gov/17268890/

Growth characterization of individual rye sourdough bacteria by isothermal microcalorimetry
Mihhalevski, Anna; **Sarand, Inga**; **Viiard, Ene**; Salumets, Airika; **Paalme, Toomas** Journal of applied microbiology 2011 / 2, p. 529-540

Growth efficiency of Saccharomyces cerevisiae on glucose/ethanol media with a smooth change in the dilution rate (A-stat)
Paalme, Toomas; Elken, R.; **Vilu, Raivo**; Korhola, Matti Enzyme and microbial technology 1997 / p. 174-181
https://doi.org/10.1016/S0141-0229(96)00114-7

Growth optimization of SF-9 cells for baculovirus expression
Drews, Monika; **Paalme, Toomas** 8th European Congress on Biotechnology, August 17-21, 1997, Budapest : book of abstracts 1997 / p. 171, TU2123

Ice binding proteins from psychrophilic bacteria: characterization and applications in food
Luhila, Õnnela; **Laos, Katrin**; **Paalme, Toomas** 16th Baltic Conference on Food Science and Technology "Traditional meets non-traditional in future food" : FOODBALT 2023 : Book of abstracts 2023 / p. 15
https://conferences.llu.lv/sites/llucs/files/conferences/foodbalt_2023/menu_attachments/FoodBalt_2023_Abstract_book.pdf

Ice-binding proteins in psychrophilic bacteria – isolation, characterization, and applications in food
Luhila, Õnnela; **Paalme, Toomas**; **Laos, Katrin** IBP 2022 2022
https://docs.google.com/document/d/1XlsPAG9dVeX6IuVaBMAM08F7Q50ktrdh/edit

Identification and characterization of bioactive peptides with antimicrobial and immunoregulating properties derived from bovine colostrum and milk = Antimikroobsete ja immuunsüsteemi stimuleerivate omadustega bioaktiivsete peptiidide identifitseerimine ja karakteriseerimine lehma piimast ja kolostrumist
Kütt, Mary-Liis 2015 https://www.ester.ee/record=b4461995*est

Identification and characterization of dairy-related Lactobacillus
Kask, Signe 2003 https://www.ester.ee/record=b1782591*est

Identification of aroma compounds in food using SPME-GC/MS and GC-olfactometry = Aroomiühendite määramine toidus kasutades SPME-GC/MS ja GC-olfaktomeetriat
Kaseleht, Kristel 2012 https://digi.lib.ttu.ee/i/?720

Impact of apple cultivar, ripening stage, fermentation type and yeaststrain on phenolic composition of apple ciders
Laaksonen, Oskar; **Kuldjärv, Rain**; **Paalme, Toomas**; Virkki, Mira; Yang, Baoru Food chemistry 2017 / p. 29-37 : ill
https://doi.org/10.1016/j.foodchem.2017.04.067 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Investigation on structural changes during storage of rye bread
Mihhalevski, Anna; **Paalme, Toomas** 13th ICC Cereal and Bread Congress Cerworld 21st : book of abstracts 2008 / p. 372

Isotopomeric 13C labeling of amino acids reveal compartmentation in Saccharomyces uvarum
Schryer, David; **Peterson, Pearu**; **Paalme, Toomas**; **Vendelin, Marko** Biophysical journal 2009 / 3, Supplement 1, p. 308a
https://www.researchgate.net/publication/247275298_Isotopomeric_13C_Labeling_of_Amino_Acids_Reveal_Compartmentation_in_Saccharomyces_uvarum

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

Kommid ja jogurtid mikroskoobi all : [teadusuuringutest TTÜs tegutsevas toidu- ja fermentatsioonitehnoloogia arenduskeskuses : juhataja Urmas Sanniku ja prof. Toomas Paalme kommentaaridega]
Sannik, Urmas; **Paalme, Toomas** Eesti Areng : Euroopa Liidu struktuurifondid Eestis - võimalustest tulemusteni 2007 / juuni, lk. 10-11 : ill

Large-scale preparation of fully deuterated cell components. Ribosomes from Escherichia coli with high biological activity
Vanatalu, K.; **Paalme, Toomas**; **Vilu, Raivo**; Burkhardt, N.; Jünemann, R.; May, R.; Rühl, M.; Wadzack, J.; Nierhaus, K.H. European journal of biochemistry 1993 / p. 315-321 https://febs.onlinelibrary.wiley.com/doi/10.1111/j.1432-1033.1993.tb18148.x

Metabolic changes underlying the higher accumulation of glutathione in Saccharomyces cerevisiae mutants
Nisamedtinov, Ildar; Kevvai, Kaspar; **Orumets, Kerti**; **Arike, Liisa**; **Sarand, Inga**; Korhola, Matti; **Paalme, Toomas** Applied microbiology and biotechnology 2011 / 4, p. 1029-1037 : ill https://pubmed.ncbi.nlm.nih.gov/21052993/

Metabolic changes underlying the higher accumulation of glutathione in saccharomyces cerevisiae mutants
Orumets, Kerti; **Nisamedtinov, Ildar**; **Kevvai, Kaspar**; **Arike, Liisa**; **Sarand, Inga**; Korhola, Matti; **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. 112 https://pubmed.ncbi.nlm.nih.gov/21052993/

Metabolic flux analysis of compartmentalized systems using dynamic isotopologue modeling = Isotopoloogilise modelleerimise rakendamine heterogeensete bioloogiliste süsteemide ainevahetusvoo analüüsis
Schryer, David 2012 https://www.ester.ee/record=b2776763*est

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

A method for GC-olfactometry panel training
Vene, Kristel; **Seisonen, Sirli**; **Koppel, Kadri**; Leitner, Erich; **Paalme, Toomas** Chemosensory perception 2013 / p. 179-189 : ill
https://doi.org/10.1007/s12078-013-9156-x 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

A model of swiss-type cheese ripening
Laht, Tiiu-Maie; **Kask, Signe**; **Adamberg, Kaarel**; **Tomson, Katrin**; **Paalme, Toomas**; **Vilu, Raivo** IDF Symposium on Cheese : Ripening, Characterization and Technology, Prague, Czech Republic, March 21–25, 2004 : book of abstracts 2004 / p. 75 https://www.ukidf.org/documents/absbookmar04.pdf

Modern cultivation methods in the research of culture physiology
Paalme, Toomas 8th European Congress on Biotechnology, August 17-21, 1997, Budapest : book of abstracts 1997 / p. 170

Modification of A-stat for the characterization of microorganisms
Kasemets, Kaja; **Drews, Monika**; **Nisamedtinov, Ildar**; **Adamberg, Kaarel**; **Paalme, Toomas** Journal of microbiological methods 2003 / p. 187-200 : ill https://www.sciencedirect.com/science/article/pii/S016770120300143X

Multilevel control of GSH accumulation in mutant and wild-type Strains of S. cerevisiae under conditions of smooth cysteine addition
Nisamedtinov, Ildar; **Orumets, Kerti**; Kevvai, Kaspar; Viiard, Ene; **Sarand, Inga**; **Paalme, Toomas** IBIC 2010 : 2nd International Conference on Industrial Biotechnology : April 11-14, 2010, Padua, Italy 2010 / p. 91-96 https://www.aidic.it/cet/10/20/016.pdf

Perspectives of kvass production
Kasemets, Kaja; **Paalme, Toomas** Food and nutrition = Toit ja toitumine 2000 / p. 72-80 : ill

Physiological properties of Lactobacillus paracasei, L.danicus and L.curvatus strains isolated from Estonian semi-hard cheese
Kask, Signe; **Adamberg, Kaarel**; Orlowski, Andrzej; Vogensen, Finn K.; Moller, Peter L.; Ardö, Ylva; **Paalme, Toomas** Food research international 2003 / 9/10, p. 1037-1046 https://www.sciencedirect.com/science/article/pii/S0963996903001273

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

Possibility for a strawberry jam sensory standard
Koppel, Kadri; **Timberg, Loreida**; **Salumets, Airika**; **Paalme, Toomas** Journal of sensory studies 2011 / p. 71-80 : ill https://onlinelibrary.wiley.com/doi/full/10.1111/j.1745-459X.2010.00323.x

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 Netherland, Ede 2001 / p. 22

Production of labelled recombinant proteins in fed-batch system in Escherchia coli = Märgistatud rekombinantsete valkude tootmine Escherichia coli fed-batch süsteemides
Tomson, Katrin 2007 https://www.ester.ee/record=b2324657*est

Quantitative analysis of acetaldehyde in foods consumed by children using SPME/GC-MS(Tof), on-fiber derivatization and deuterated acetaldehyde as an internal standard
Kaseleht, Kristel; **Paalme, Toomas**; **Nisamedtinov, Ildar** Agronomy research 2011 / p. 395-401 : ill https://agronomy.emu.ee/vol09Spec2/p09s203.pdf

Rainbow trout composition and fatty acid content in Estonia
Timberg, Loreida; **Kuldjärv, Rain**; **Koppel, Kadri**; **Paalme, Toomas** Agronomy research 2011 / p. 495-500 : ill

Red fish quality and red fish consumer studies in Estonia
Timberg, Loreida; **Koppel, Kadri**; Kaljujärv, Rain; **Paalme, Toomas**; **Kirs, Evelin** Food and nutrition = Toit ja toitumine. XVII : book of abstracts : the 5th Baltic Conference on Food Science and Technology : Foodbalt-2010 2010 / p. 118

Ripening and sensory properties of spice-cured sprats and sensory properties development
Timberg, Loreida; Koppel, Kadri; **Kuldjärv, Rain**; **Paalme, Toomas** Journal of aquatic food product technology 2014 / p. 129-145 : ill https://doi.org/10.1080/10498850.2012.700003 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Role of arginine in the development of secondary microflora in Swiss-type cheese
Laht, Tiiu-Maie; **Kask, Signe**; Elias, P.; **Adamberg, Kaarel**; **Paalme, Toomas** International dairy journal 2002 / p. 831-840 : ill

Rye sourdough bread, fermentation and stability
Paalme, Toomas; **Sarand, Inga**; **Mihhalevski, Anna** First European Food Congress : 4-19 Nov.2008, Ljubljana, Slovenia : abstract book 2008 / p. Q026

Rye sourdough fermentation and bread stability = Rukkitaigna hapendamine ja leiva vananemine
Mihhalevski, Anna 2012 https://www.ester.ee/record=b2931197*est

Seasoned sprat products acceptance in Estonia and in Thailand
Timberg, Loreida; **Koppel, Kadri**; **Kuldjärv, Rain**; Chambers IV, Edgar; Soontrunnarudrungsri, Aussama; Suwonsichon, Suntaree; **Paalme, Toomas** Journal of aquatic food product technology 2014 / p. 552-566 : ill https://doi.org/10.1080/10498850.2012.735748 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Sensory and chemical properties of Baltic Sprat (Sprattus sprattus balticus) and Baltic Herring (Clupea harengus membras) in different catching seasons
Timberg, Loreida; **Koppel, Kadri**; **Paalme, Toomas**; **Kuldjärv, Rain** Agronomy research 2011 / p. 489-494 : ill https://agronomy.emu.ee/vol09Spec2/p09s218.pdf

Simultaneous quantification of the B-complex vitamins in dried yeast using UPLC/MS and isotope labeled internal standards
Hälvin, Kristel; **Paalme, Toomas**; **Nisamedtinov, Ildar** Food and nutrition = Toit ja toitumine. XVII : book of abstracts : the 5th Baltic Conference on Food Science and Technology : Foodbalt-2010 2010 / p. 93

Simultaneous utilization of ammonia, free amino acids and peptides during fermentative growth of Saccharomyces cerevisiae
Kevvai, Kaspar; **Kütt, Mary-Liis**; **Nisamedtinov, Ildar**; **Paalme, Toomas** Journal of the Institute of Brewing 2016 / p. 110-115 : ill https://doi.org/10.1002/jib.298 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Single bioreactor gastrointestinal tract simulator for study of survival of probiotic bacteria
Sumeri, Ingrid; **Arike, Liisa**; **Adamberg, Kaarel**; **Paalme, Toomas** Applied microbiology and biotechnology 2008 / 2, p. 317-324 https://pubmed.ncbi.nlm.nih.gov/18581109/

Spice-cured sprats ripening, sensory parameters development, and quality indicators = Vürtsikilu valmimine, sensoorsete omaduste kujunemine ja kvaliteediindikaatorid
Timberg, Loreida 2012 https://www.ester.ee/record=b2931156*est

Stability of B-complex vitamins and dietary fibre during rye sourdough bread production
Mihhalevski, Anna; **Nisamedtinov, Ildar**; **Hälvin, Kristel**; **Ošeka, Aleksandra**; **Paalme, Toomas** Journal of cereal science 2013 / p. 30-38 : ill https://doi.org/10.1016/j.jcs.2012.09.007 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Stoichiometric model of metabolism in the mammalian cell line K562 using 2-14C glucose label
Drews, Monika; **Paalme, Toomas** 14th Meeting ESACT, European Society for Animal Cell Technology "Animal Cell Technology: From Vaccines to Genetic Medicine", Algarve, Portugal, May 20-24, 1996 : programme and abstract book 1996 / Abstr. No. NN-27

Structural changes of starch during baking and staling of rye bread
Mihhalevski, Anna; Heinmaa, Ivo; **Traksmaa, Rainer**; **Pehk, Tõnis**; **Mere, Arvo**; **Paalme, Toomas** Journal of agricultural and food chemistry 2012 / p. 8492-8500 : ill https://pubs.acs.org/doi/10.1021/jf3021877

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 of rye bread staling
Mihhalevski, Anna; **Paalme, Toomas** Proceedings of Bosphorus 2008 ICC International Conference : Istanbul, Turkey, Aprill 24-26, 2008 2008 / p. 195

Study of the toxic effect of the short- and medium-chain monocarboxylic acids on the growth of Saccharomyces cerevisiae using the CO2-auxo-accelerostat fermentation system
Kasemets, Kaja; **Kahru, Anne**; **Laht, Tiiu-Maie**; **Paalme, Toomas** International journal of food microbiology 2006 / 3, p. 206-215 : ill https://www.sciencedirect.com/science/article/abs/pii/S0168160506002960

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

Survival of probiotic bacteria in Human Gastrointestinal Tract Simulator (GITS) : [abstract]
Paalme, Toomas Ninth Annual ScanBalt Forum "Healthy future" : September 22-24, 2010 : Tallinn, Estonia 2010 / p. 67

Teadlased loodavad muuta õlleraba seeneburgeriks
novaator.err.ee 2023 Teadlased loodavad muuta õlleraba seeneburgeriks

Teaduspreemia põllumajandusteaduste alal tööde tsükli "Toidu kvaliteet, sensoorsed ja tervislikud omadused ning nende püsivus" eest : Toomas Paalme
Paalme, Toomas Eesti Vabariigi preemiad : teadus. F. J. Wiedemanni keeleauhind. Kultuur. Sport 2015 / lk. 120-138 : ill., portr

Technology and know-how for optimisation and control of microbiological processes
Vilu, Raivo; **Paalme, Toomas** Eesti teadlaste kongress, 11.-15. augustini 1996. a. Tallinnas : ettekannete kokkuvõtted 1996 / lk. 192
https://www.ester.ee/record=b1052731*est

Tehnikateadused. Biotehnoloogia ja toiduainete tehnoloogia
Paalme, Toomas Eesti entsüklopeedia. 11, Eesti üld 2002 / lk. 499

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 effect of oxygen, ethanol and biomass concentration on growth rate of distillers yeast : the PH-stat study
Kasemets, Kaja; **Laht, Tiiu-Maie**; Nisamedtinov, Ildar; **Paalme, Toomas** Yeast as a cell factory : EC Framework IV Symposium, The Niederlands, 30. Nov. - 2. Dec. 1998 : abstract book 1998 / p. 162-164

The effect of temperature and pH on the growth of lactic acid bacteria : a pH-auxostat study
Adamberg, Kaarel; **Kask, Signe**; **Laht, Tiiu-Maie**; **Paalme, Toomas** International journal of food microbiology 2003 / p. 171-183 : ill

The effect of weak organic acids on the growth rate of Saccharomyces cerevisiae. The CO2-stat study
Kasemets, Kaja; **Paalme, Toomas** Microbiological Safety of Food : joint conference organized by Society for Applied Microbiology (UK), World Health Organization and Estonian Society for Microbiology : 10-11 May 2000, Tartu, Estonia 2000 / l. 59 : ill

The effects of apple variety, ripening stage, and yeast strain on the volatile composition of apple cider
Rosend, Julia; Kuldjärv, Rain; Rosenvald, Sirli; **Paalme, Toomas** Heliyon 2019 / art. e01953, 7 p. : ill
https://doi.org/10.1016/j.heliyon.2019.e01953 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The growth and nutrient utilization of the insect cell line Spodoptera frugiperda Sf9 in batch and continuous culture
Drews, Monika; **Paalme, Toomas**; **Vilu, Raivo** Journal of biotechnology 1995 / p. 187-198

The growth kinetics of Pseudomonas Putida on benzoate utilizing ortho- or meta-pathways
Sarand, Inga; **Paalme, Toomas**; **Vilu, Raivo** Kinetics, dynamics and physiology of microbial growth : [... held at the Gottlieb-Duttweiler Institute in Rüschlikon (Zürich), Switzerland, from October 17-20, 1992] 1993 / p. 69

The growth rate control in Escherichia coli at near to maximum growth rates : the A-stat approach
Paalme, Toomas; Elken, R.; **Kahru, Anne**; **Vanatalu, Kalju**; **Vilu, Raivo** Antonie van Leeuwenhoek journal of microbiology 1997 / p. 217-230: ill

The influence of milk powders on the crystallization of sucrose-sugar alcohols solutions
Annuste, Tiina; **Laos, Katrin**; **Kikkas, Anna**; **Menert, Anne**; **Paalme, Toomas** Food and nutrition = Toit ja toitumine 2007 / p. 51-59 : ill

The study of probiotic bacteria in human gastrointestinal tract simulator = Probiootilised bakterid inimese seedetrakti simulaatoris
Sumeri, Ingrid 2011

The study of rye bread staling
Mihhalevski, Anna; **Paalme, Toomas**; Heinmaa, Ivo; **Traksmaa, Rainer** 7th European Young Cereal Scientists and Technologists

Workshop : Kaunas, Lithuania, May 19-21, 2008 : programme and abstract book 2008 / p. 22

The study of static and dynamic environmental stress of Saccharomyces cerevisiae using heat shock protein Hsp12p-Gfp2p construct
Nisamedtinov, Ildar; Lindsey, R.; Karreman, R.; **Orumets, Kerti**; Koplimaa, Mariane; Kevvai, Kaspar; **Paalme, Toomas** Physiology of Yeast and Filamentous Fungi PYFF3 : 3rd European Federation of Biotechnology Conference : Helsinki (Finland), June 13-16, 2007 2007 / p. 70

The study of the fermentative growth of Saccharomyces cerevisiae S288C using auxo-accelerostat technique
Kasemets, Kaja; **Nisamedtinov, Ildar**; **Abner, Kristo**; **Paalme, Toomas** Modern multidisciplinary applied microbiology : exploiting microbes and their interactions 2006 / p. 756-760 : ill https://doi.org/10.1002/9783527611904.ch135

Uptake and accumulation of B-group vitamers in Saccharomyces cerevisiae in ethanol-stat fed-batch culture
Paalme, Toomas; **Kevvai, Kaspar**; **Vilbaste, K.**; **Hälvin, Kristel**; **Nisamedtinov, Ildar** World jouornal of microbiology and biotechnology 2014 / p. 2351-2359 : ill https://doi.org/10.1007/s11274-014-1660-x Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Use of slow dilution rate changes in the study of bacterial growth characteristics
Vilu, Raivo; **Paalme, Toomas** International Symposium on Bioreactor Perfomance, 15-17 March, 1993, Helsingor, Denmark : proceedings 1993 / p. 121-129

Utilization of 15N-labelled yeast hydrolysate in Lactococcus lactis IL1403 culture indicates co-consumption of peptide-bound and free amino acids with simultaneous efflux of free amino acids
Kevvai, Kaspar; **Kütt, Mary-Liis**; **Nisamedtinov, Ildar**; **Paalme, Toomas** Antonie van Leeuwenhoek, International Journal of General and Molecular Microbiology 2014 / p. 511-522 : ill https://doi.org/10.1007/s10482-013-0103-2 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

YAP1 over-expression in Saccharomyces cerevisiae enhances glutathione accumulation at its biosynthesis and substrate availability levels
Orumets, Kerti; **Kevvai, Kaspar**; **Nisamedtinov, Ildar**; Tamm, Tiina; **Paalme, Toomas** Biotechnology journal 2012 https://pubmed.ncbi.nlm.nih.gov/22009669/

Методика определения гитрозгазов [т. е. нитрозгазов] в дымовых газах
Kalve, Raivo; **Paalme, Toomas** XX студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР : тезисы докладов. Часть 2 1974 / с. 344-345 https://www.ester.ee/record=b1306141*est

Определение нитрозгазов в дымовых газах
Kalve, Raivo; **Paalme, Toomas**; **Kann, Jüri**; **Tauts, Olev** Тезисы докладов : XXI студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР, 27-29 марта 1975 г. 1975 / с. 359-360 https://www.ester.ee/record=b1571620*est

Определение нитрозгазов в сигаретном дыме
Kann, Jüri; **Tauts, Olev**; **Kalve, Raivo**; **Paalme, Toomas** Технология пищевых производств. 4 1974 / с. 79-83 : илл https://www.ester.ee/record=b1475977*est https://digikogu.taltech.ee/et/Item/b0fe0497-582f-4507-9281-6ad4d1a574e3