

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

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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, Tiit-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>

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

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 cerevisiae* : 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 Applications 2006 / p. 102-112

Glutathione accumulation in ethanol-stat fed-batch culture of *Saccharomyces cerevisiae* with a switch to cysteine feeding

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Growth characteristics of *Saccharomyces cerevisiae* S288C in changing environmental conditions : auxo-accelerostat study

Kasemets, Kaja; Nisamedtinov, Ildar; Laht, Tiit-Maie; Abner, Kristo; Paalme, Toomas Antonie van Leeuwenhoek 2007 / p. 109-128 : ill <https://pubmed.ncbi.nlm.nih.gov/17268890/>

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](https://doi.org/10.1016/S0141-0229(96)00114-7)

Metabolic changes underlying the higher accumulation of glutathione in *Saccharomyces cerevisiae* mutants

Nisamedtinov, Ildar; Kewai, 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/>

Molecular mechanisms controlling intracellular glutathione levels in baker's yeast *Saccharomyces cerevisiae* and a random mutagenized glutathione over-accumulating isolate = Rakusised glutatiooni taset kontrollivad molekulaarsed mehhanismid pagaripärmis *Saccharomyces cerevisiae* ja selle juhuslikul mutageneesil saadud glutatiooni üleakumuleerivas isolaadis

Orumets, Kerti 2012 https://www.ester.ee/record=b2931326*est

Progress toward improving ethanol production through decreased glycerol generation in *Saccharomyces cerevisiae* by metabolic and genetic engineering approaches

Naghshbandi, Mohammad Pooya; Tabatabaei, Meisam; Aghbashlo, Mortaza; Gupta, Vijai Kumar; Sulaiman, Alawi; Karimi, Keikhosro; Moghimi, Hamid; Maleki, Mina Renewable and Sustainable Energy Reviews 2019 / Art. 109353 <https://doi.org/10.1016/j.rser.2019.109353> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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, Tiit-Maie; Paalme, Toomas International journal of food microbiology 2006 / 3, p. 206-215 : ill <https://www.sciencedirect.com/science/article/abs/pii/S0168160506002960>

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

The growth parameters of *Saccharomyces cerevisiae* alko743 in continuous culture on the glucose/ethanol mixtures

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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>

Toxicological profiling of silver and copper oxide nanoparticles on *Saccharomyces cerevisiae* BY4741 wild-type and its single-gene deletion mutants = Hõbeda ja vaskoksiidi nanoosakeste toksilisuse iseloomustamine pärmis *Saccharomyces cerevisiae* BY4741 metsiktüvele ning geenikatkestus-mutantidele

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Volatile flavour compounds of mangosteen juice and wine fermented with *Saccharomyces cerevisiae*

Holm, Mariliis; Chen, Dai; Seow, Yi Xin; Ong, Peter K.C.; Liu, Shao Quan International Food Research Journal 2016 / p. 1812 - 1817 <https://www.semanticscholar.org/paper/Volatile-flavour-compounds-of-mangosteen-juice-and-Seow/5ebafba25136c9ee5f7fb1e6e73d66ddbf36e726> 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

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