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Bioenergy yields from sequential bioethanol and biomethane production: An optimized process flow

Rocha-Meneses, Lisandra; **Otor, Oghenetejiri Frances; Bonturi, Nemailla**; Orupõld, Kaja; Kikas, Timo Sustainability 2020 / art. 272 <https://doi.org/10.3390/su12010272> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

C/N ratio and carbon source-dependent lipid production profiling in *Rhodotorula toruloides*

Lopes, Helberth Júnior Santos; Bonturi, Nemailla; Kerkhoven, Eduard Johannes; Miranda, Everson Alves; **Lahtvee, Petri-Jaan** Applied Microbiology and Biotechnology 2020 / p. 2639 - 2649 <https://doi.org/10.1007/s00253-020-10386-5> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Development of a dedicated Golden Gate Assembly Platform (RtGGA) for *Rhodotorula toruloides*

Bonturi, Nemailla; Pinheiro, Marina Julio; Oliveira, Paola Monteiro de; Rusadze, Eka; Eichinger, Tobias; **Liudžiute, Gintare; De Biaggi, Giuliano Sabedotti**; Brauer, Age; Remm, Maido; Miranda, Everson Alves; Ledesma-Amaro, Rodrigo; **Lahtvee, Petri-Jaan** Metabolic engineering communications 2022 / art. e00200 <https://doi.org/10.1016/j.mec.2022.e00200> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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Evaluating the impact of toxicities in hemicellulosic hydrolysates during biotechnological valorisation processes

Lipova, Inna; Axelrud Nunes, Andreia; Bonturi, Nemailla; **Lahtvee, Petri-Jaan** Conference materials "Youth and modern problems of microbiology and virology" : IV young scientists conference, Kyiv, Ukraine, 15-17 November 2022 : Abstracts book 2022 / p. 15 https://imv.org.ua/wp-content/uploads/2022/12/Conference-materials_2022.pdf

Exploring the potential of microbial biomass and microbial extracted oils in tribology: a sustainable frontier for environmentally acceptable lubricants

Bernat, Szymon; Di Bartolomeo, Francesca; Armada, Sergio; Valaker, Emil; **Bonturi, Nemailla**; Koseto, Deni; Haugen, Tone; Kvernbraten, Ann-Karin; Stavarek, Petr; Vecer, Marek; Zelenka, Ladislav Green chemistry letters and reviews 2024 / art. 2330644 <https://doi.org/10.1080/17518253.2024.2330644> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Fat-making microbes for greener and sustainable industry

Shapava, Volha; **Lahtvee, Petri-Jaan**; Blomqvist, Johanna; Passoth, Volkmar; **Bonturi, Nemailla**; Einarsson, Hjörleifur; Sigurðarson, Jens J.; Skugor, Stanko; Varland, Marit Fast track to vision 2030 2023 / p. 112-115 <https://www.nordforsk.org/2023/fast-track-vision-2030>

Genome-scale metabolic modeling reveals metabolic trade-offs associated with lipid production in *Rhodotorula toruloides*

Reķena, Alina; Pinheiro, Marina J.; **Bonturi, Nemailla; Belouah, Isma**; Tammekivi, Eliise; Herodes, Koit; Kerkhoven, Eduard J.; **Lahtvee, Petri-Jaan** PLoS computational biology 2023 / art. e1011009 <https://doi.org/10.1371/journal.pcbi.1011009> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Genome-scale modelling-based discovery of metabolic strategies in oleaginous yeast *Rhodotorula toruloides*

Reķena, Alina; Pinheiro, Marina J.; **Bonturi, Nemailla; Belouah, Isma**; Tammekivi, Eliise; Herodes, Koit; Kerkhoven, Eduard J.; **Lahtvee, Petri-Jaan** 8th conference on physiology of yeasts and filamentous fungi (PYFF8) : abstract book 2023 / p. 47-48 https://efbiotechnology.org/images/uploads/PYFF8_Abtract_book.pdf

Induction of resistance mechanisms in *Rhodotorula toruloides* for growth in sugarcane hydrolysate with high inhibitor content

Santos Lopes, Helberth Júnior; **Bonturi, Nemailla**; Miranda, Everson Alves Applied Microbial and Cell Physiology 2021 / p. 9261-9272 <https://doi.org/10.1007/s00253-021-11687-z>

„Järjekord on ukse taga.“ Suurte plaanidega idufirma on juba lõonud käed soomlaste Valio ja ameeriklaste Kraft Heinziga

Liiva, Siiri [„Järjekord on ukse taga.“ Suurte plaanidega idufirma on juba lõonud käed soomlaste Valio ja ameeriklaste Kraft Heinziga](#) 2023

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Lipidomic profile of rhodotorula toruloides by GC/MS and antioxidant capacity of the oil by DPPH and TLC-plate methods

Santos, Alberdan S.; Salgado, Hugo L. C.; **Bonturi, Nemailla**; de Mello, Ricardo F. A.; da Conceição, Laiza de K. M.; Miranda, Everson Alves South African journal of chemistry 2021 / p. 162-167 http://www.scielo.org.za/scielo.php?script=sci_arttext&pid=S0379-43502021000100021={en}

Metabolic engineering of Rhodotorula toruloides for astaxanthin production using Golden Gate Assembly Platform

Lipova, Inna; Gavrilovic, Srdjan; **Bonturi, Nemailla**; **Lahtvee, Petri-Jaan** Yeast 2023 : ICYGMB31 : 31st International Conference on Yeast Genetics and Molecular Biology, Florence, Italy, 20-25 august, 2023 : Book of abstracts 2023 / p. 257 <https://files.spazioweb.it/ed/08/ed0856fe-fa38-4015-93c9-561144f5b608.pdf>

Quantitative systems biology analysis of lipid-producing yeast Rhodotorula toruloides cultivation

Rekena, Alina; Pinheiro, Marina Julio; **Pals, Kristjan**; **Belouah, Isma**; **Bonturi, Nemailla**; **Gavrilovic, Srdjan**; Kerkhoven, Eduard Johannes; **Lahtvee, Petri-Jaan** FEBS3+ Baltics : Biochemistry at the Fore Line : Abstract Book 2025 / p. 69 [FEBS3+ Abstract Book \(PDF\)](#)

Screening and growth characterization of non-conventional yeasts in a hemicellulosic hydrolysate

Monteiro de Oliveira, Paola; Aborneva, Daria; **Bonturi, Nemailla**; **Lahtvee, Petri-Jaan** Frontiers in bioengineering and biotechnology 2021 / art. 659472 <https://doi.org/10.3389/fbioe.2021.659472>

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Mente et Manu 2023 / lk. 10 https://www.ester.ee/record=b1242496*est

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