

Acidification by nitrogen metabolism triggers extracellular biopolymer production in an oleaginous yeast

Sepulveda Del Rio Hamacek, Henrique; Tingajeva, Oksana; Ostertag, Katharina; Rekena, Alina; Illarionov, Aleksandr; Jõul, Piia; Monteiro de Oliveira, Paola; de la Caridad Martin-Hernandez, Giselle; Müller, Bettina; Bonturi, Nemailla; Passoth, Volkmar; Lahtvee, Petri-Jaan; Kumar, R. Applied and environmental microbiology 2025 / rt. e00947-25, 23 p
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C/N ratio and carbon source-dependent lipid production profiling in *Rhodotorula toruloides*

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Characterization of potassium, sodium and their interactions effects in yeasts

Illarionov, Aleksandr; Lahtvee, Petri-Jaan; Kumar, Rahul, 1978- bioRxiv 2020 / 16 p. : ill <https://doi.org/10.1101/2020.10.22.350355>

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, Mairo; 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](#)

Ethylene glycol metabolism in the oleaginous yeast *Rhodotorula toruloides*

Senatore, Vittorio Giorgio; Rekena, Alina; Mapelli, Valeria; Lahtvee, Petri-Jaan; Branduardi, Paola Applied Microbiology and Biotechnology 2025 / art. 114 <https://doi.org/10.1007/s00253-025-13504-3>

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

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Potassium and sodium salt stress characterization in the yeasts *Saccharomyces cerevisiae*, *Kluyveromyces marxianus*, and *Rhodotorula toruloides*

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Production and characterization of an exopolysaccharide from an oleaginous yeast

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The role of ATP citrate lyase, phosphoketolase, and malic enzyme in oleaginous *Rhodotorula toruloides*

Rekena, Alina; Pals, Kristjan; Gavrilovic, Srdjan; Lahtvee, Petri-Jaan Applied microbiology and biotechnology 2025 / art. 77 <https://doi.org/10.1007/s00253-025-13454-w>

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

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