

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>

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](#)

Nitrogen availability and utilisation of oligopeptides by yeast in industrial scotch grain whisky fermentation

Berg, Hidde Yael; Arju, Georg; **Nisamedtinov, Ildar** Journal of the American Society of Brewing Chemists 2025 / p. 88-100 : ill <https://doi.org/10.1080/03610470.2024.2389608>

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

Illarionov, Aleksandr; **Lahtvee, Petri-Jaan**; **Kumar, Rahul, 1978-** Applied and Environmental Microbiology 2021 / art. e03100-20 <https://doi.org/10.1128/AEM.03100-20> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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](#)

Unlocking the secrets of peptide transport in wine yeast: insights into oligopeptide transporter functions and nitrogen source preferences

Berg, Hidde Yael; **Arju, Georg**; Becerra-Rodriguez, Carmen; Galeote, Virginie; **Nisamedtinov, Ildar** Applied and environmental microbiology 2023 / art. e0114123 <https://doi.org/10.1128/aem.01141-23> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Uptake and accumulation of B-group vitamins in *Saccharomyces cerevisiae* in ethanol-stat fed-batch culture

Paalme, Toomas; Kevvai, Kaspar; Vilbaste, K.; Hälvin, Kristel; **Nisamedtinov, Ildar** World journal 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](#)

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](#)