



Projekta Izp-2020/2-0323 rezultāti

Augsti efektīva ferulskābes izdalīšana no lauksaimniecības industrijas blakusproduktiem ar celulozi degradējošiem enzīmiem (FerulCelluZyms)

Oriģināli zinātniskie raksti, kas publicēti zinātniskos žurnālos, rakstu krājumos vai konferenču rakstu krājumos, kuri ir indeksēti datu bāzēs Web of Science Core Collection, SCOPUS vai ERIH PLUS

1. Juhnevica-Radenkova, K.; Kviesis, J.; Moreno, D. A.; Seglina, D.; Vallejo, F.; Valdovska, A.; Radenkova, V. Highly-efficient release of ferulic acid from agro-industrial by-products via enzymatic hydrolysis with cellulose-degrading enzymes: Part i—the superiority of hydrolytic enzymes versus conventional hydrolysis. – Foods, 2021, 10 (4),
<https://doi.org/10.3390/foods10040782>
2. Radenkova, V.; Juhnevica-Radenkova, K.; Jakovlevs, D.; Zikmanis, P.; Galina, D.; Valdovska, A. The Release of Non-Extractable Ferulic Acid from Cereal By-Products by Enzyme-Assisted Hydrolysis for Possible Utilization in Green Synthesis of Silver Nanoparticles. – Nanomaterials, 2022, 12 (17), <https://doi.org/10.3390/nano12173053>
3. Radenkova, V.; Juhnevica-Radenkova, K.; Kviesis, J.; Lazdina, D.; Valdovska, A.; Vallejo, F.; Lacis, G. Lignocellulose-degrading enzymes: A biotechnology platform for ferulic acid production from agro-industrial side streams. – Foods, 2021, 10 (12),
<https://doi.org/10.3390/foods10123056>
4. Radenkova, V.; Juhnevica-Radenkova, K.; Kviesis, J.; Valdovska, A. An Environmentally Friendly Approach for the Release of Essential Fatty Acids from Cereal By-Products Using Cellulose-Degrading Enzymes. – Biology, 2022, 11 (5),
<https://doi.org/10.3390/biology11050721>

