

## Supplementary Materials

# The Release of Non-Extractable Ferulic Acid from Cereal By-Products by Enzyme-Assisted Hydrolysis for Possible Utilization in Green Synthesis of Silver Nanoparticles

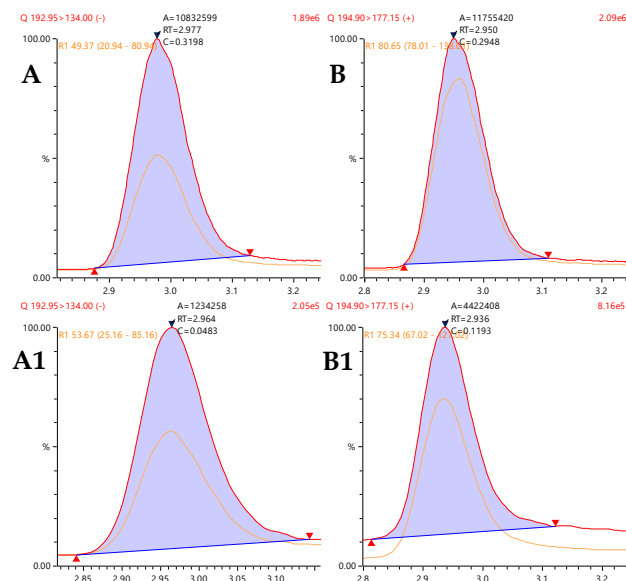
Vitalijs Radenkovs <sup>1,2,\*</sup>, Karina Juhnevica-Radenkova <sup>1</sup>, Dmitrijs Jakovlevs <sup>2</sup>, Peteris Zikmanis <sup>1</sup>, Daiga Galina <sup>2,3</sup> and Anda Valdovska <sup>2,3</sup>

<sup>1</sup> Processing and Biochemistry Department, Institute of Horticulture, LV-3701 Dobeles, Latvia

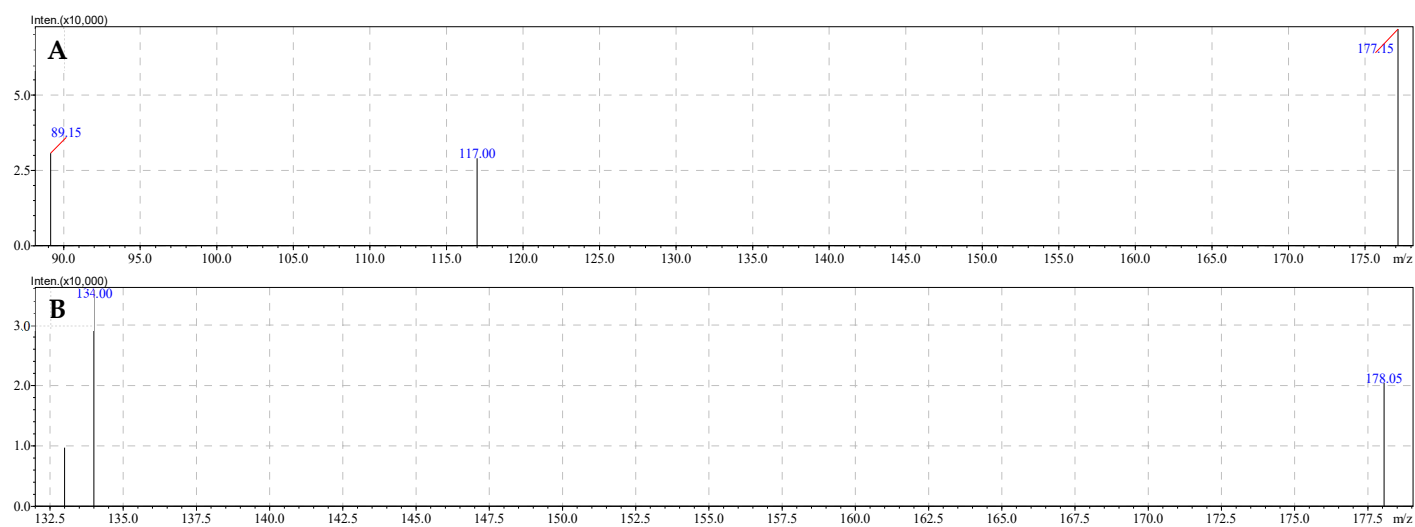
<sup>2</sup> Research Laboratory of Biotechnology, Division of Smart Technologies, Latvia University of Life Sciences and Technologies, LV-3004 Jelgava, Latvia

<sup>3</sup> Faculty of Veterinary Medicine, Latvia University of Life Sciences and Technologies, LV-3004 Jelgava, Latvia

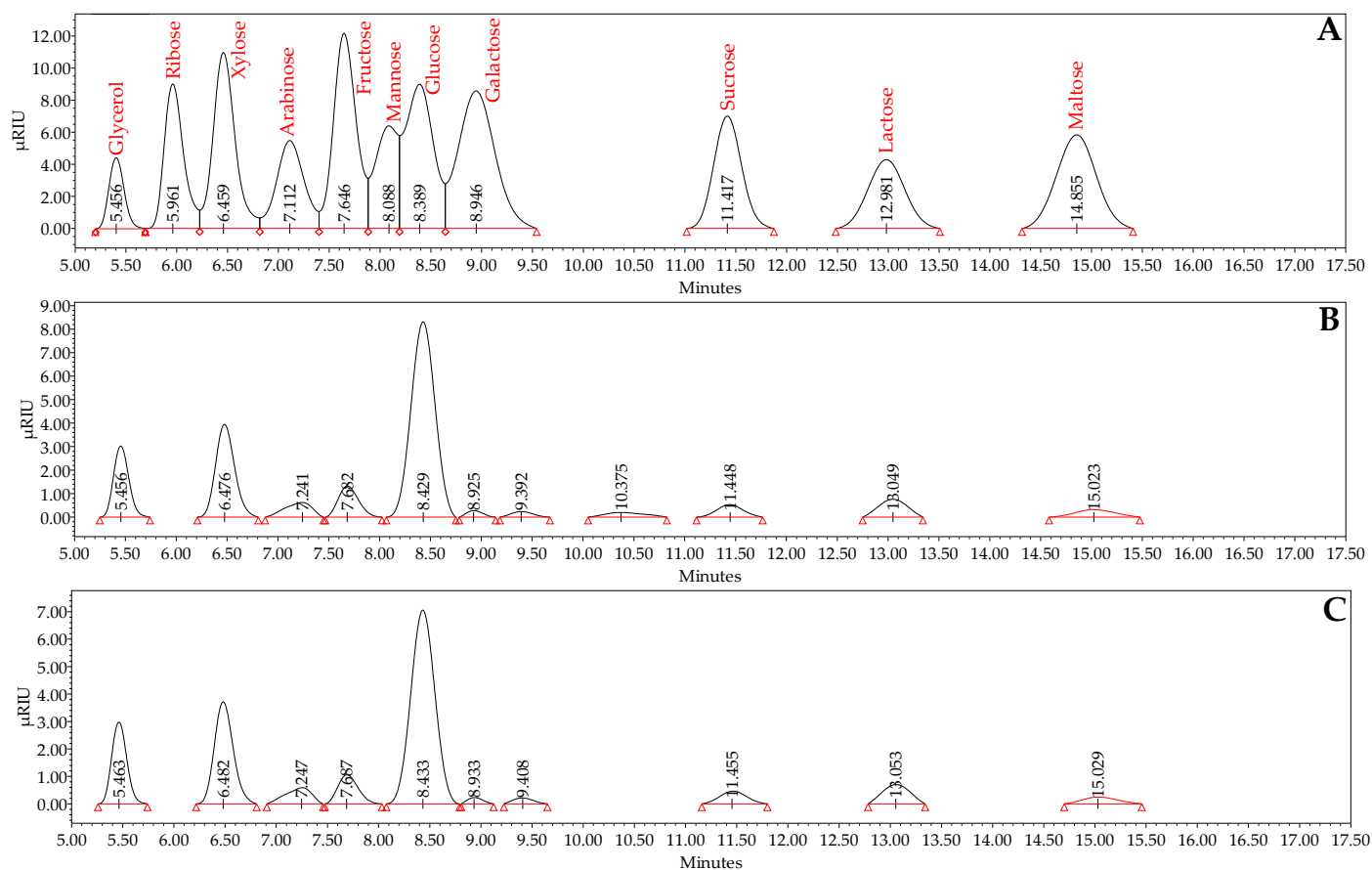
\* Correspondence: vitalijs.radenkovs@llu.lv; Tel.: +371-2865-0011



**Figure S1.** Extracted ion chromatograms (EICs) plotted for *trans*-ferulic acid (A) and *trans*-iso-ferulic acid (B) reference standards and for those recovered compounds from bran hydrolysates (A1,B1) following solid-phase extraction with Strata X column using acidified 50% EtOH solution.



**Figure S2.** The MRM transitions optimized for selective determination of *trans*-ferulic acid (A) and *trans*-iso-ferulic acid (B) using HPLC-ESI-TQ-MS/MS.



**Figure S3.** HPLC-RID chromatographic separation of mono- and disaccharides in a mixture of standards (A) rye bran hydrolysate obtained after EH with Viscozyme L and wash-through fraction following solid-phase extraction with Strata X column using acidified 50% EtOH.