

Supplementary data for the article:

Orlić, J.; Gržetić, I.; Ilijević, K. Effect of Sample Preparation Procedure on Standardless Wavelength Dispersive X-Ray Fluorescence Analysis of Plant Samples. *Spectrochimica Acta Part B: Atomic Spectroscopy* **2021**, *184*, 106258. <https://doi.org/10.1016/j.sab.2021.106258>.

# Effect of Sample Preparation Procedure on Standardless Wavelength Dispersive X-ray Fluorescence Analysis of Plant Samples

Jovana Orlić<sup>a</sup>, Ivan Gržetić<sup>a</sup>, Konstantin Ilijević<sup>a</sup>

<sup>a</sup>University of Belgrade - Faculty of Chemistry, Studentski trg 12-16, 11000 Belgrade, Serbia

Corresponding author - Konstantin Ilijević (kilijevic@chem.bg.ac.rs)

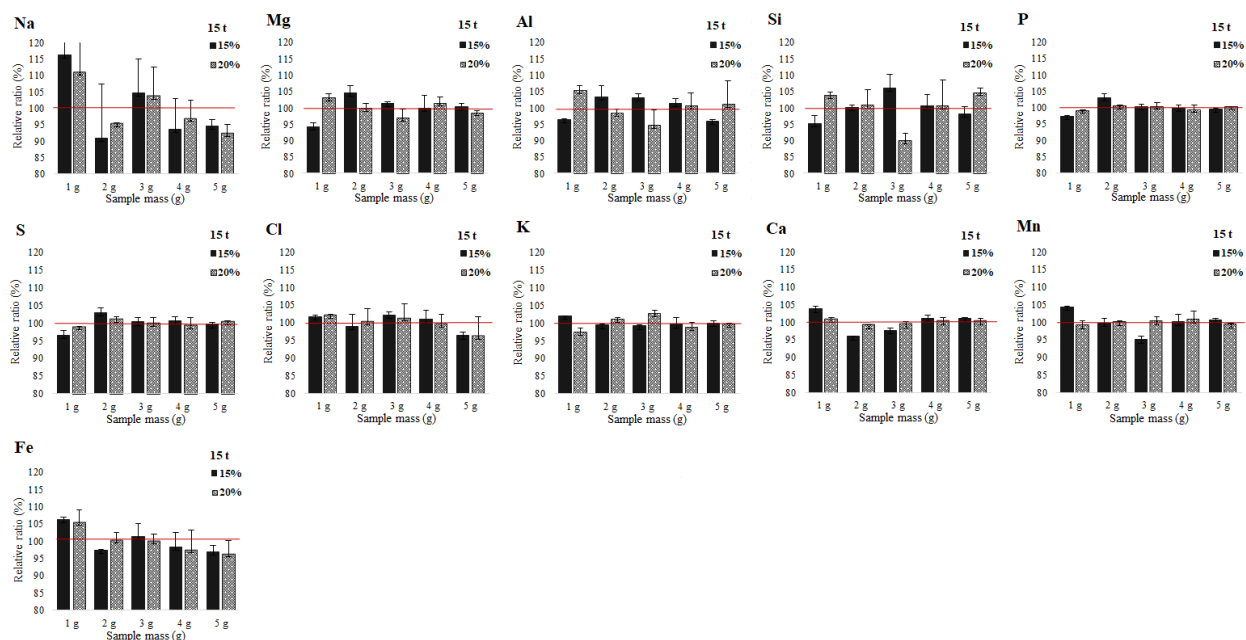


Fig. S1. Relative concentrations (concentration of element divided with the average value for all concentrations of the same element in the set) of elements in pine needles pellets obtained using the different mass of a sample, for two series of pellets with 15 and 20 % of the binder pressed with an applied pressure of 15 t. The error bar represents  $\pm$  relative standard deviation value (RSD %) of the repeated measurements.

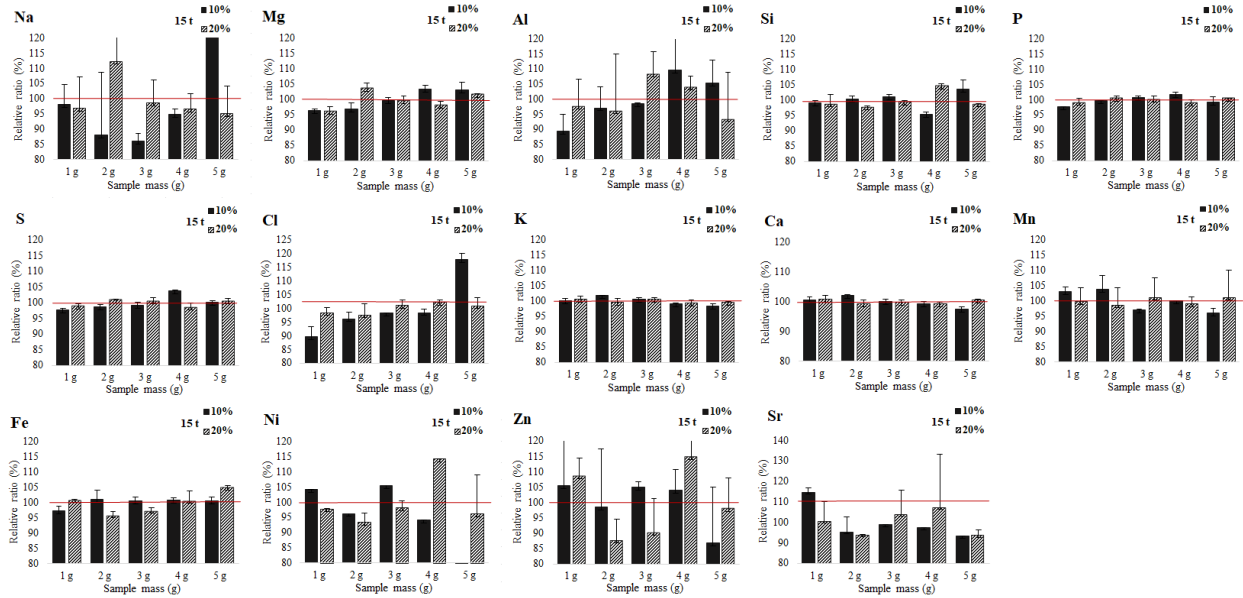


Fig. S2. Relative concentrations (concentration of element divided with the average value for all concentrations of the same element in the set) of elements in fir needles pellets obtained using the different mass of a sample, for two series of pellets with 10 and 20 % of the binder pressed with an applied pressure of 15 t. The error bar represents  $\pm$  relative standard deviation value (RSD %) of the repeated measurements.

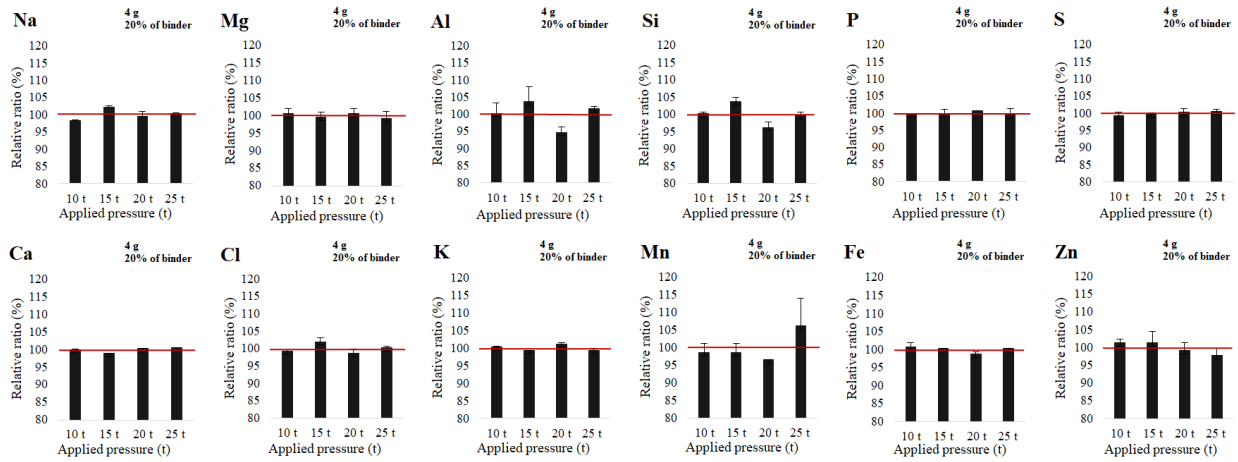


Fig. S3. Relative concentrations (concentration of element divided with the average value for all concentrations of the same element in the set) of elements in 4 g pine needles pellets with 20 % of binder obtained using different pressure in the sample preparation procedure. The error bar represents  $\pm$  relative standard deviation value (RSD %) of the repeated measurements.