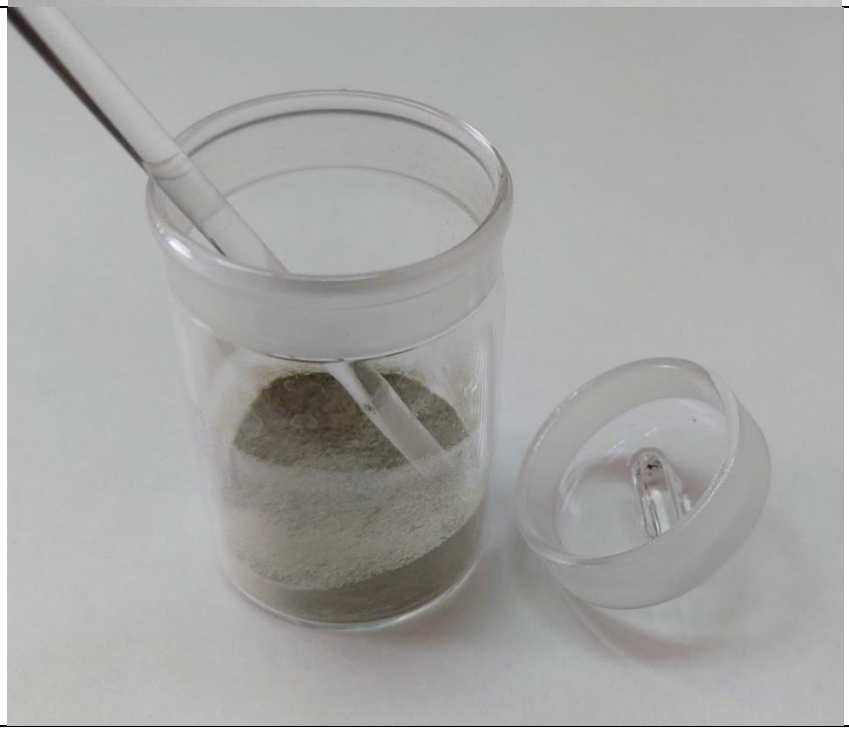
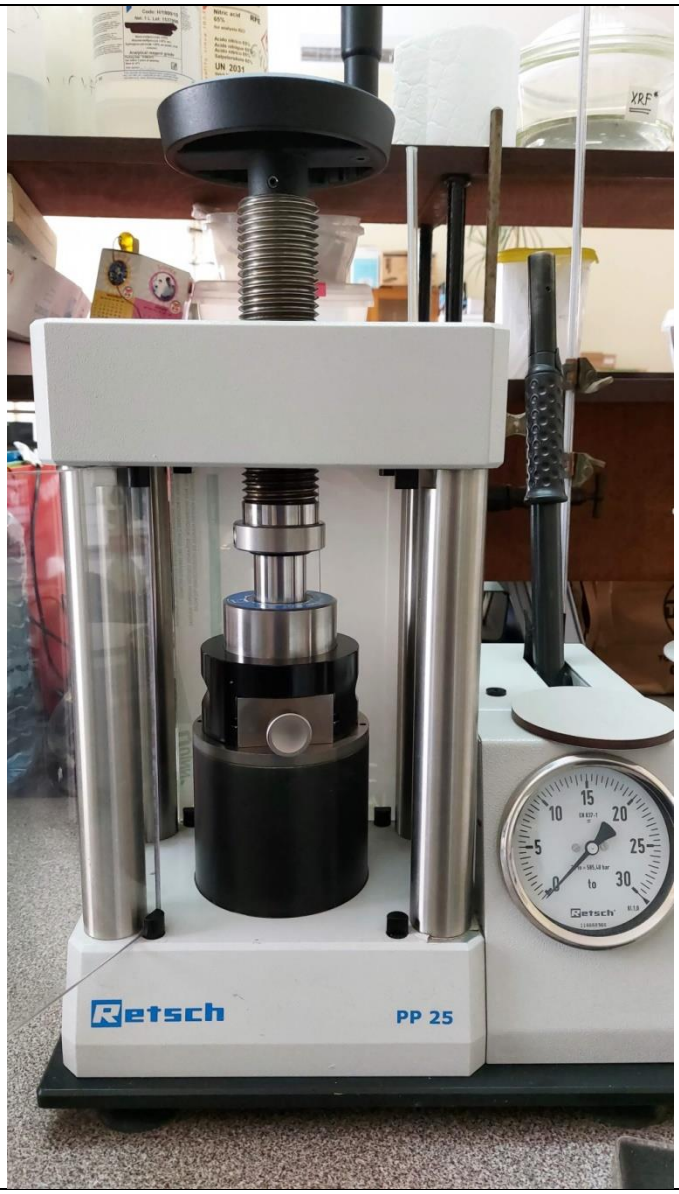
Supplementary data for the article:

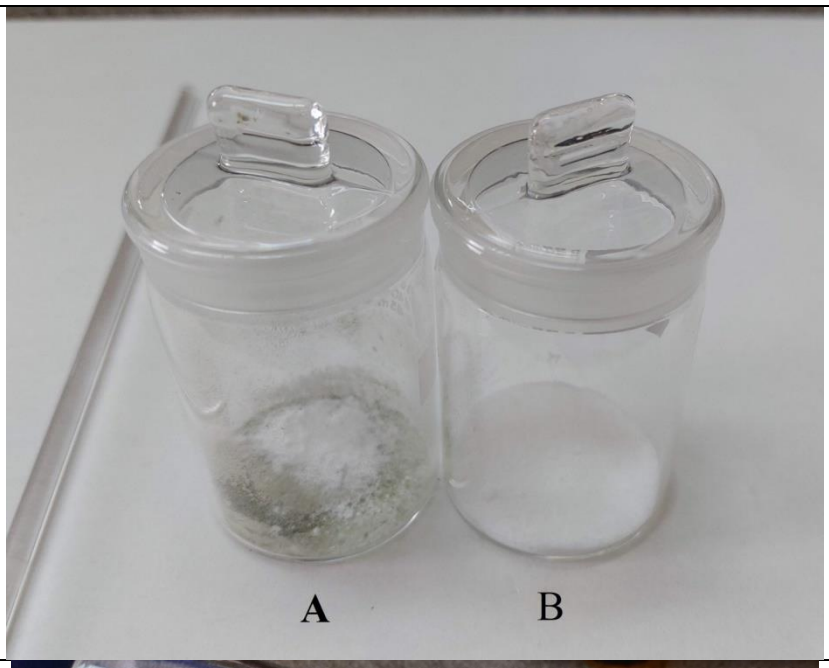
Orlić, J.; Gržetić, I.; Goessler, W.; Braeuer, S.; Čáslavský, J.; Pořízka, J.; Ilijević, K. Artificial Cellulose Standards as Calibration Standards for Wavelength-Dispersive X-Ray Fluorescence Analysis of Elements in Plant Samples. *Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms* **2021**, *502*, 106–117. https://doi.org/10.1016/j.nimb.2021.06.012.

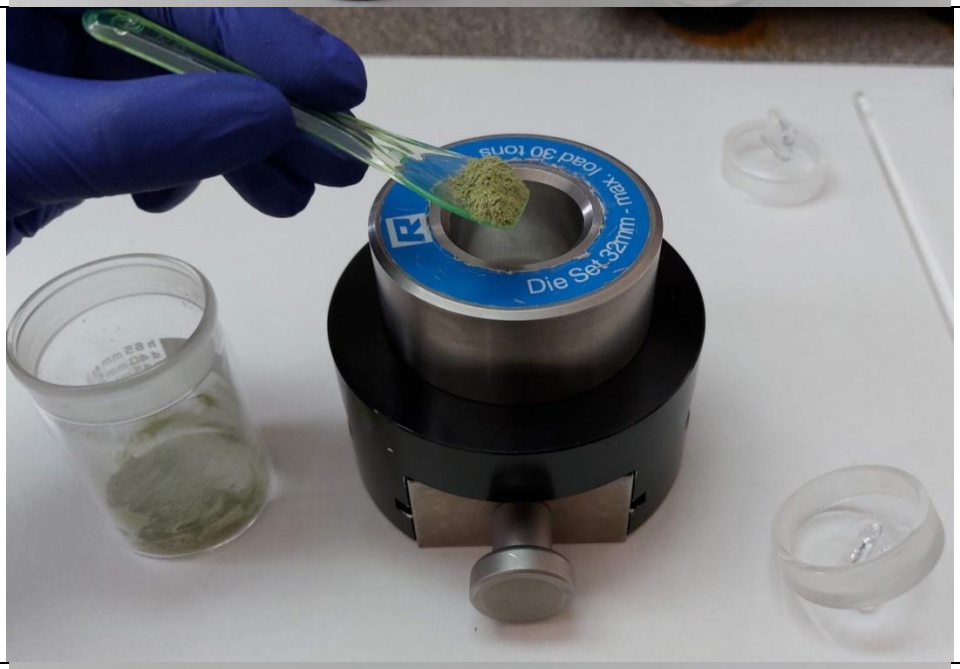
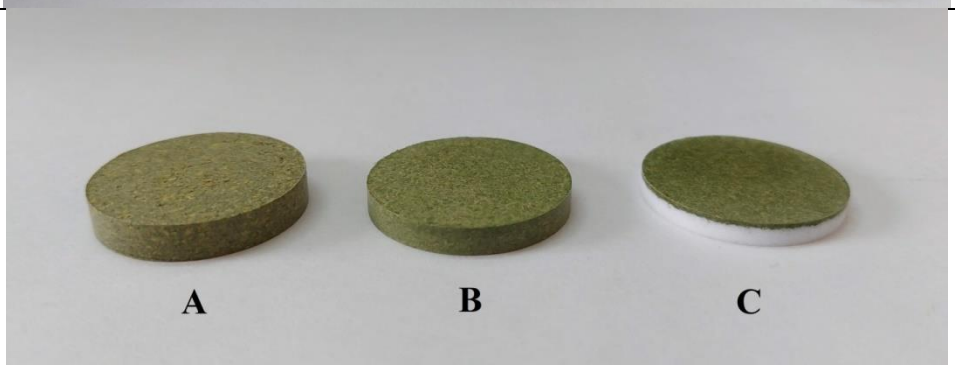
1.				Preparation of cellulose calibration standard, addition of liquid standard solution.

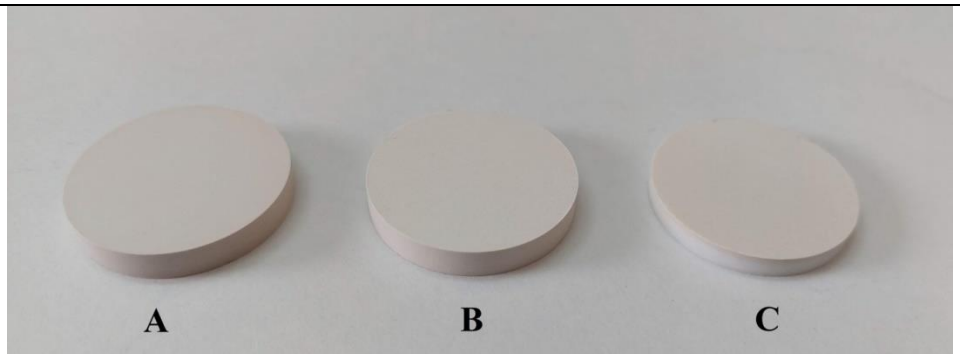
2.			Pine needles sample with binder (wax).
3.			Homogenized pine needles sample with binder (wax).

4.			Addition of homogenized pine needles sample with binder (wax) into press holder cup.
5.			Homogenized pine needles sample with binder (wax) in press holder cup.

6.			Hydraulic press.

7.			Pine needles sample with binder (A) and boric acid which served as an inert carrier.
8.			Addition of boric acid which served as an inert carrier into press holder cup.

9.		Boric acid which served as an inert carrier in press holder cup.
10.		Addition of homogenized mixture of pine needles sample and wax on top of boric inert carrier into press holder cup.
11.		Pine needles sample pellets: (A) pure pine needles, (B) Pine needles with 20% of wax binder, and (C) Pine needles sample with 20 % of wax applied on boric acid inert carrier on thin layer.

12.		Cellulose calibration standard pellets: (A) pure cellulose, (B) Cellulose with 20% of wax binder, and (C) Cellulose with 20 % of wax applied on boric acid inert carrier on thin layer.