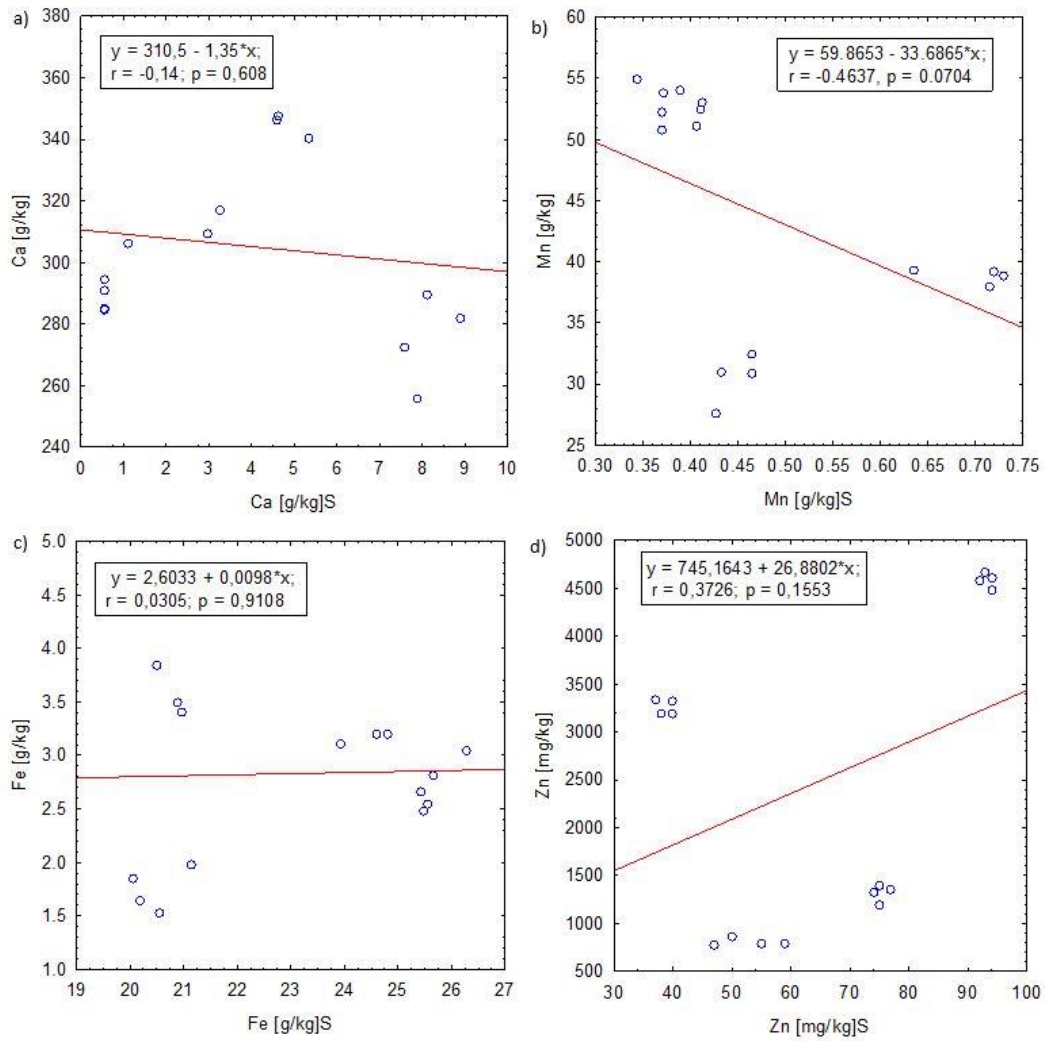
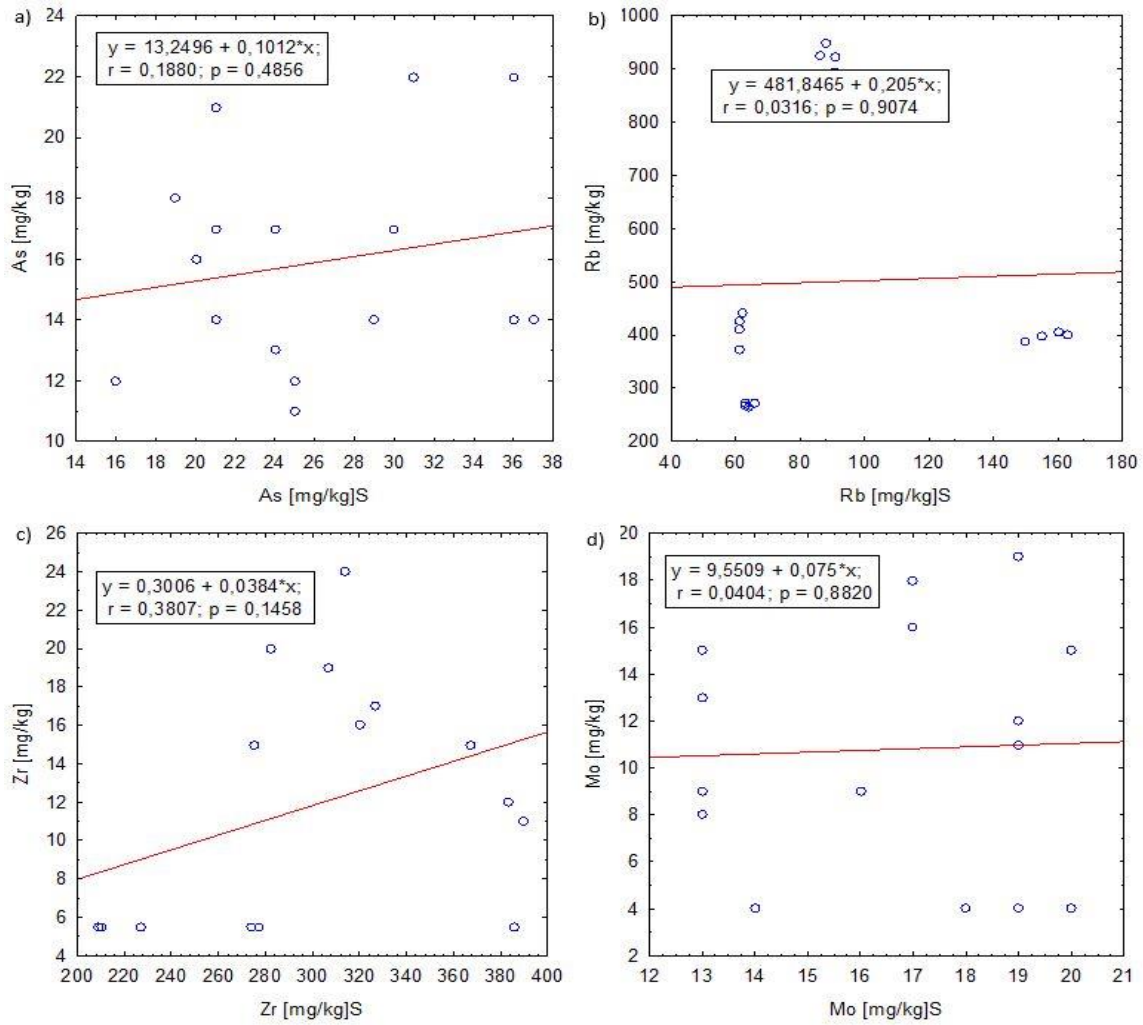


APPENDIX 1



Relationship between the content of (a) Ca, (b) Mn, (c) Fe, and (d) Zn in the soil and ashes from Hlinsko.



Relationship between the content of (a) As, (b) Rb, (c) Zr, and (d) Mo in the soil and ashes from Hlinsko.

APPENDIX 2

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Figure 1. The effect of species on the total content of (macro elements) (a) P, (b) K, (c) Ca, and (d) S in the wood ashes from Hlinsko and Mšec in the Czech Republic. The F and p values were obtained from factorial ANOVA. Using Tukey *posthoc* HSD test, mean values with the same letters were significantly not different. The error bars indicate the standard error of the mean.

Figure 2. The effect of species on the total content of (microelements) (a) Mn, (b) Fe, (c) Zn, and (d) Cu in the wood ashes from Hlinsko and Mšec in the Czech Republic. The F and p values were obtained from factorial ANOVA. Using Tukey *posthoc* HSD test, mean values with the same letters were significantly not different. The error bars indicate the standard error of the mean.

Figure 3. The effect of species on the total content of (Trace elements) (a) Al, (b) Si, (c) Rb, and (d) Sr in the wood ashes from Hlinsko and Mšec in the Czech Republic. The F and p values were obtained from factorial ANOVA. Using Tukey *posthoc* HSD test, mean values with the same letters were significantly not different. The error bars indicate the standard error of the mean.

Figure 4. The effect of species on the total content of (Trace elements) (a) Mo, (b) Zr, (c) Th, and (d) Se in the ashes of selected tree species from Hlinsko and Mšec in the Czech Republic. The F and p values were obtained from factorial ANOVA. Using Tukey *posthoc* HSD test, mean values with the same letters were significantly not different. The error bars indicate the standard error of the mean.

Figure 5. The effect of species on the total content of (risk elements) (a) As and (b) Ni in the wood ashes of from Hlinsko and Mšec in the Czech Republic. The F and p values were obtained from factorial ANOVA. Using Tukey *posthoc* HSD test, mean values with the same letters were significantly not different. The error bars indicate the standard error of the mean.

Figure 6. Relationship between the content of (a) Cu, (b) Sr, (c) Pb in the soil and ashes.

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Table 1. The content (mg kg^{-1}) of elements in studied ashes at different temperatures according to Etitgni and Campbell (1991).

Table 2. The names of selected tree species.

Table 3. The relationship (Pearson's correlation) between data obtained by Aqua regia ICP-MS and pXRF.