Supplementary data for the article:

Barac, N.; Skrivanj, S.; Bukumiric, Z.; Zivojinovic, D.; Manojlovic, D.; Barac, M.; Petrovic, R.; Corac, A. Distribution and Mobility of Heavy Elements in Floodplain Agricultural Soils along the Ibar River (Southern Serbia and Northern Kosovo). Chemometric Investigation of Pollutant Sources and Ecological Risk Assessment. *Environ. Sci. Pollut. Res.* **2016**, *23* (9), 9000–9011. https://doi.org/10.1007/s11356-016-6142-2

Environmental Science and Pollution Research

Distribution and mobility of heavy elements in floodplain agricultural soils along the Ibar River (Southern Serbia and Northern Kosovo). Chemometric investigation of pollutant sources and ecological risk assessment

Nemanja Barać¹,*, Sandra Škrivanj², Zoran Bukumirić³, Dragana Živojinović⁴, Dragan Manojlović², Milan Barać⁵, Rada Petrović⁶, Aleksandar Ćorac⁷

¹Innovation Center, Faculty of Technology and Metallurgy, University of Belgrade, Karnegijeva 4, 11120 Belgrade, Serbia;

²Department of Analytical Chemistry, Faculty of Chemistry, University of Belgrade, Studentski Trg 12–16, 11000 Belgrade, Serbia;

³Institute of Medical Statistics and Informatics, Faculty of Medicine, University of Belgrade, dr Subotića 8 11000 Belgrade, Serbia;

⁴Department of Analytical Chemistry, Faculty of Technology and Metallurgy, University of Belgrade, Karnegijeva 4, 11120 Belgrade, Serbia;

⁵Department of Technology and Metallurgy, Faculty of Technical Sciences, University of Priština, Kneza Miloša 7, 38220 Kosovska Mitrovica, Serbia;

⁶Department of Inorganic Chemical Technology, Faculty of Technology and Metallurgy, University of Belgrade, Karnegijeva 4, 11120 Belgrade, Serbia;

⁷Department of Preventive Medicine, Faculty of Medicine, University of Priština, Anri Dinana n.n. 38220, Kosovska Mitrovica, Serbia.

*Corresponding author: E-mail: nbarac@tmf.bg.ac.rs; Tel.: +381 65 6790 033; Fax: +381 11 3370 400

Supplementary Material A

Content

Fig. A1 Near total heavy elements concentrations in agricultural soils along the Ibar River alluvium by sampling sites before and after the high-magnitude flood event in May 2014

Fig. A2 Fractionation of Pb, Zn, Cd, Ni, Cu, Cr, As and Sb in agricultural soils along the Ibar River alluvium by sampling sites before and after the high-magnitude flood event in May 2014

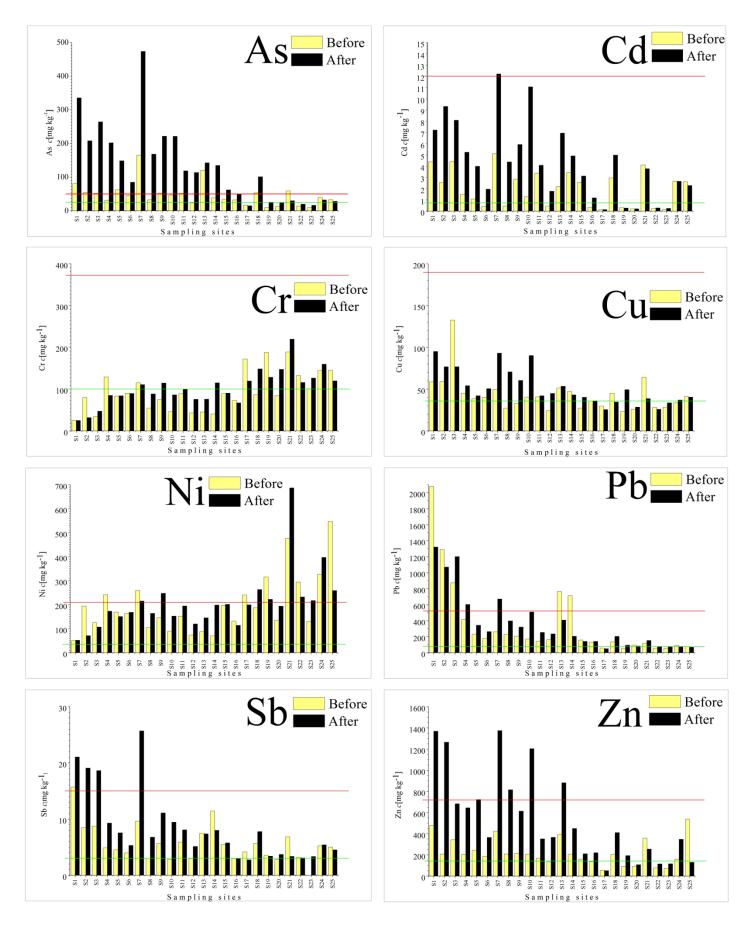


Fig. A1 Near total heavy elements concentrations in agricultural soils along the Ibar River alluvium by sampling sites before and after the high-magnitude flood event in May 2014 (green line indicate target values, red line indicate intervention values recommended by VROM (2009))

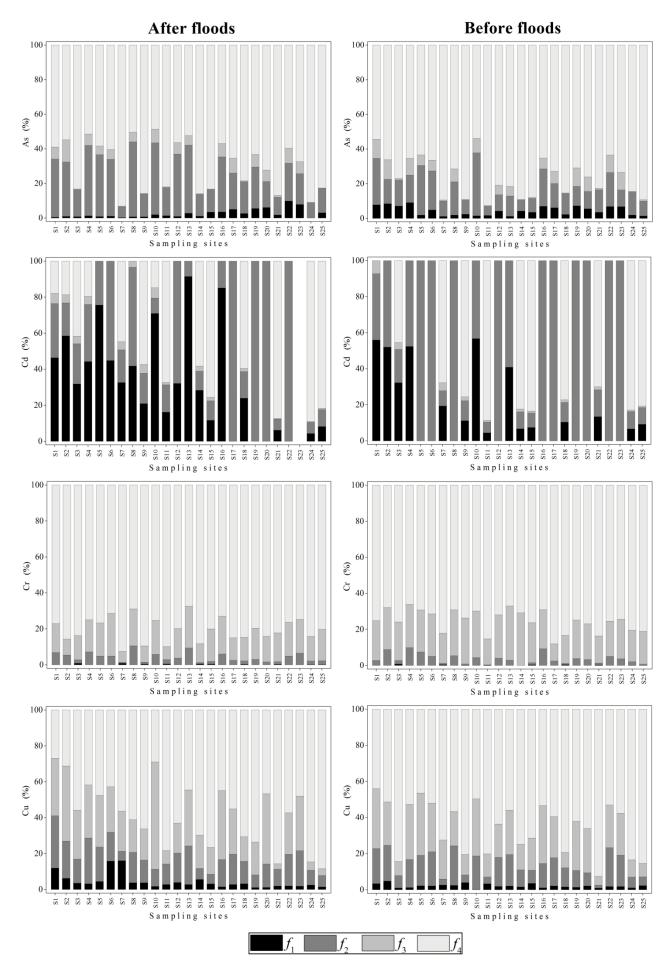


Fig. A2 Fractionation of Pb, Zn, Cd, Ni, Cu, Cr, As and Sb in agricultural soils along the Ibar River alluvium by sampling sites before and after the high-magnitude flood event in May 2014

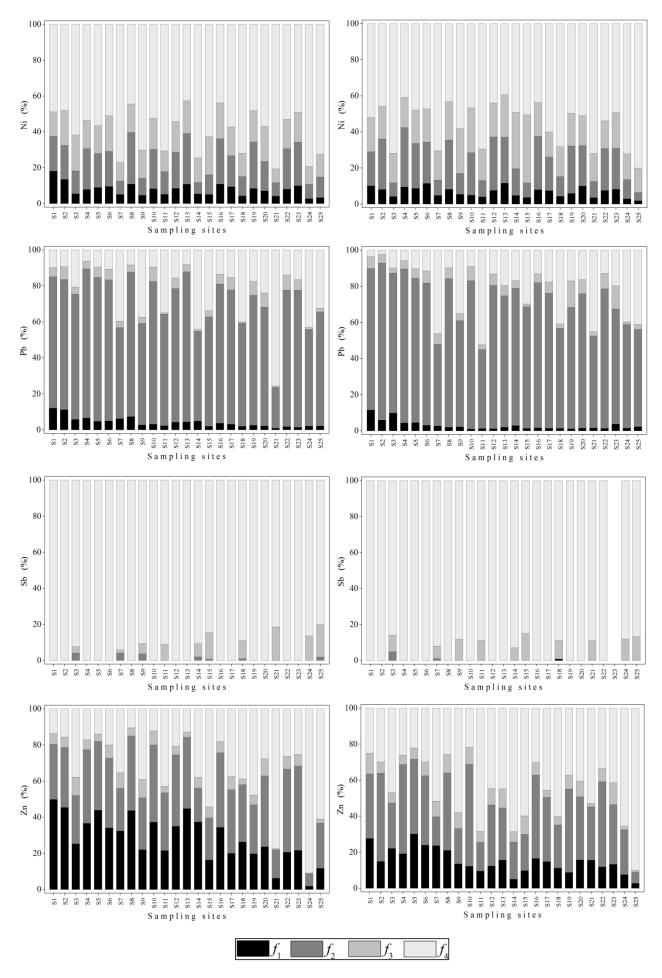


Fig. A2 Continued