

SUPPLEMENTARY MATERIAL TO

Properties of humic acids from copper tailings 20 years after reclamation

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Fig. S-1. Study area: Aerial view of Bor Copper Mine (PFT: post-flotation tailings) and Bor town with soil sampling locations: TCs-Technosols (lines - direction of taking TC soil samples), CBs-control arable soils.

Table S-I. General properties of Technosols (TC1-6) and control natural soils: arable soil near Bor town (CB7-9) and Chernozem (CCH)

Soil	Depth, cm	Sand, %	Silt, %	Clay, %	MWD ^a	pH in H ₂ O	TOC ^b / %
TC1	0-25	65.15	16.39	18.46	0.82	4.71	1.01
TC2	0-25	56.28	19.69	24.03	0.67	4.64	0.74
TC3	0-25	61.59	15.92	22.49	0.98	5.43	0.74
TC4	0-25	49.90	22.76	27.34	1.32	6.48	1.14
TC5	0-25	51.28	24.11	25.61	1.37	7.24	1.24
TC6	15-50	40.00	34.60	25.40	0.82	4.17	0.39
CB7	0-25	51.60	28.20	20.20	2.74	4.96	3.46
CB8	0-25	31.12	30.32	38.55	3.65	7.46	2.12
CB9	0-25	44.00	25.56	30.44	1.99	5.00	3.44
CCH	0-25	33.76	34.24	32.00	ND ^c	7.83	1.89

^aMWD - mean weight diameter of soil aggregates; ^bTOC - total organic carbon; ^cND - not detected

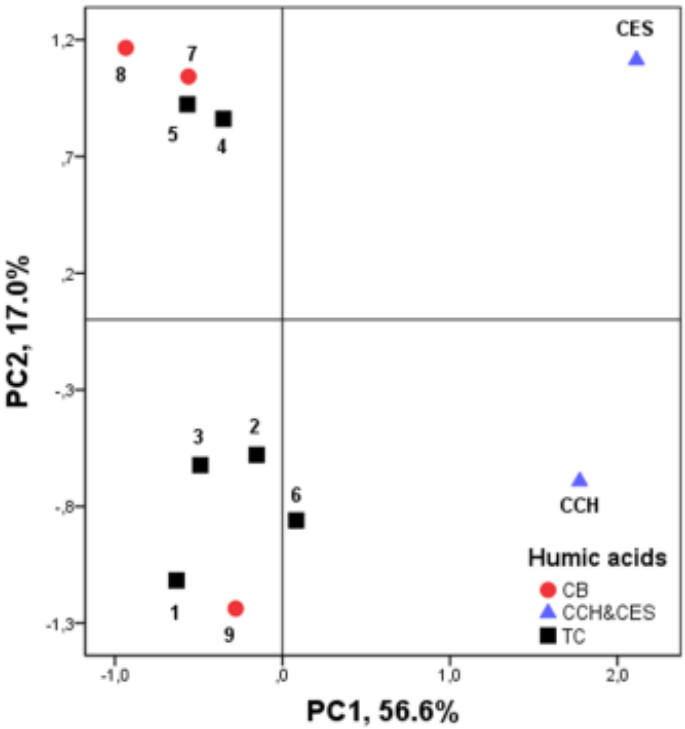


Fig. S-2. PCA score plots of HAs from Technosols (TC1-6) and control natural soils: arable soils near Bor town (CB7-9), Chernozem (CCH) and standard Elliot Soil (CES).

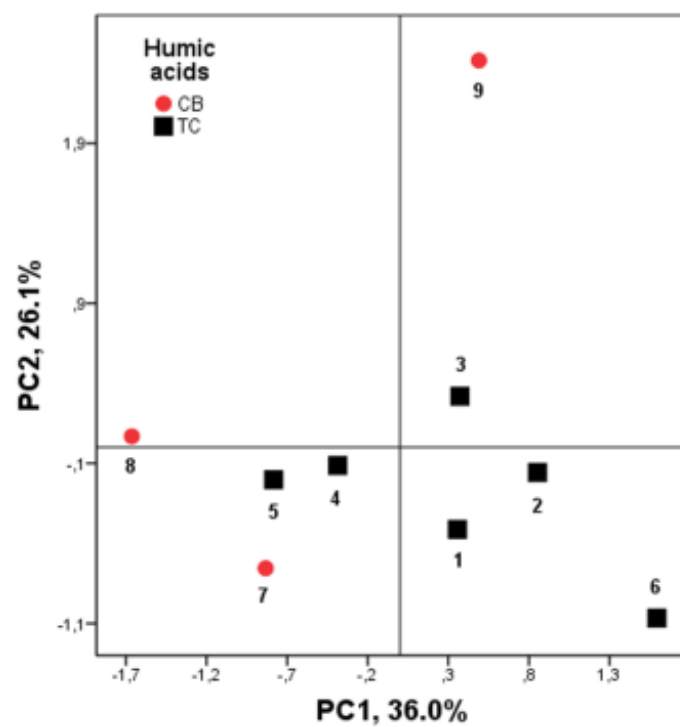


Fig. S-3. PCA score plots of HAs from Technosols (TC1-6) and control arable soils near Bor town (CB7-9).

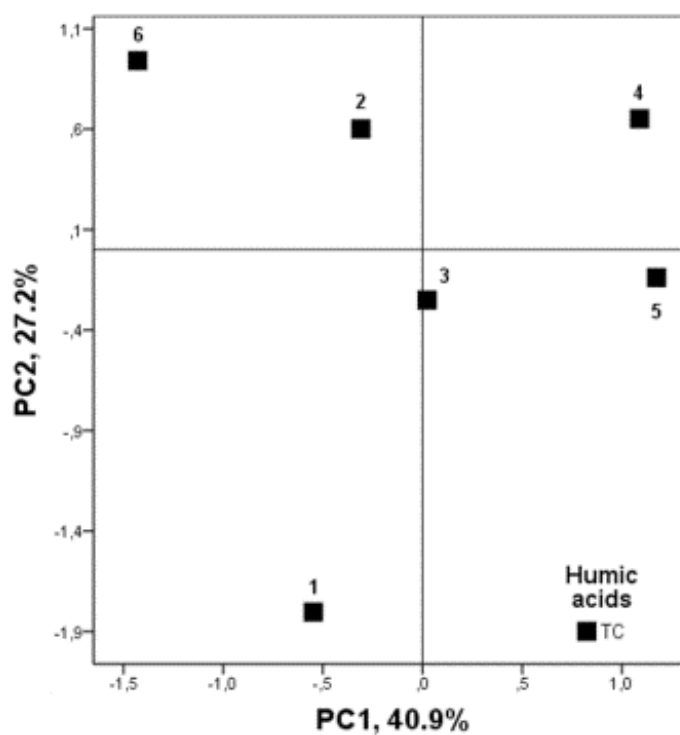


Fig. S-4. PCA score plots of HAs from Technosols (TC1-6).