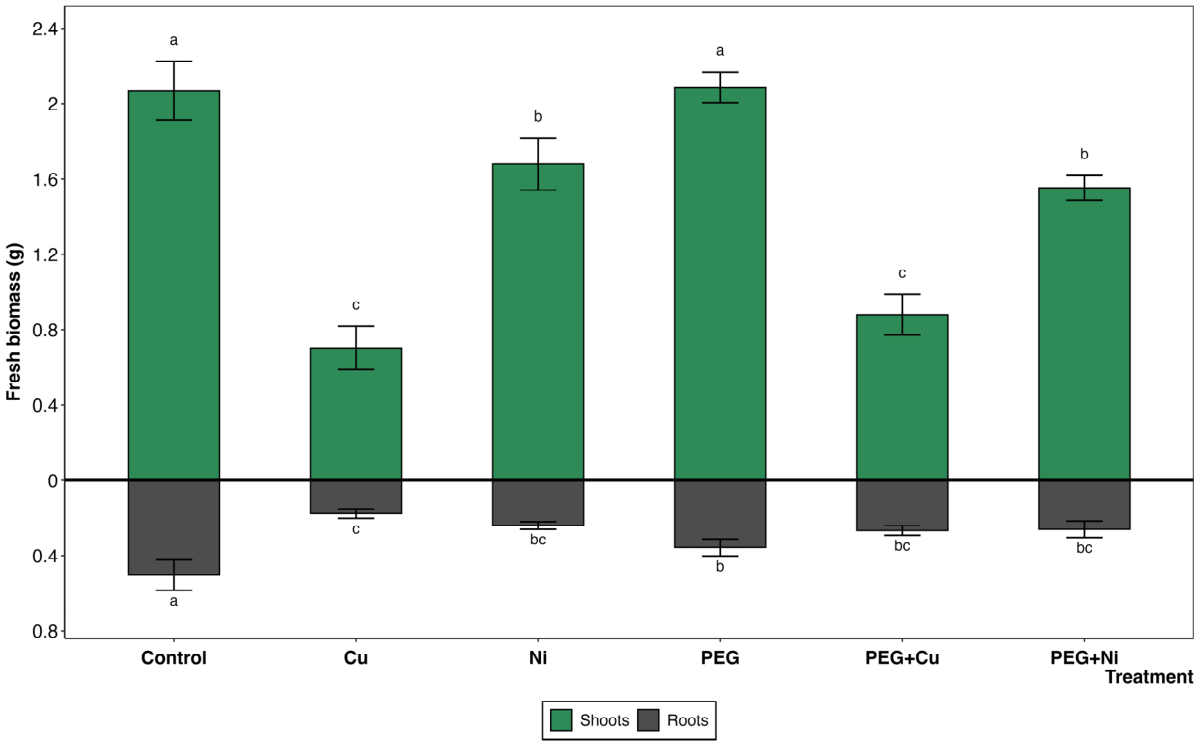


Figure S1. Biomass of shoots and roots of *S. viminalis* L. 'Tordis' in experimental variants (data presented as mean ±SD). Bars show means ± SD, and groups sharing a letter do not differ significantly (Tukey's HSD following one-way ANOVA, $\alpha = 0.05$).

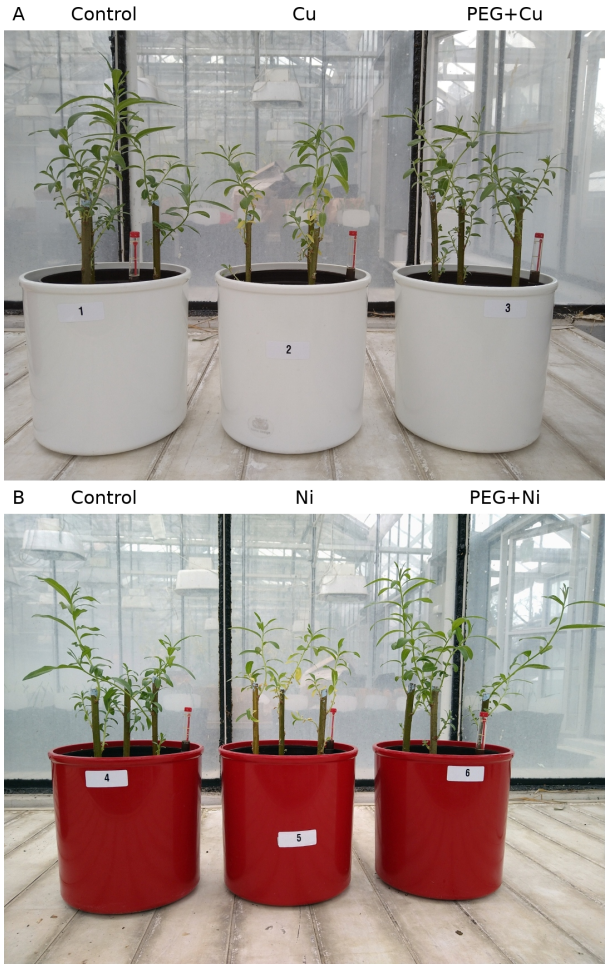


Figure S2. Selected example plants of *S. viminalis* L. 'Tordis' cultivated in hydroponic system under greenhouse conditions. Treatments shown from left to right are: (A) Control, Cu, and PEG+Cu; (B) Control, Ni, and PEG+Ni. Cu and Ni were supplied separately as $Cu(NO_3)_2$ and $Ni(NO_3)_2$, respectively, at a concentration of 1 mM. PEG-6000 was applied at 5% (w/v). Control plants were grown in nutrient solution without added metals or PEG. The photographs show selected examples and provide a qualitative illustration of plant appearance under different treatments.

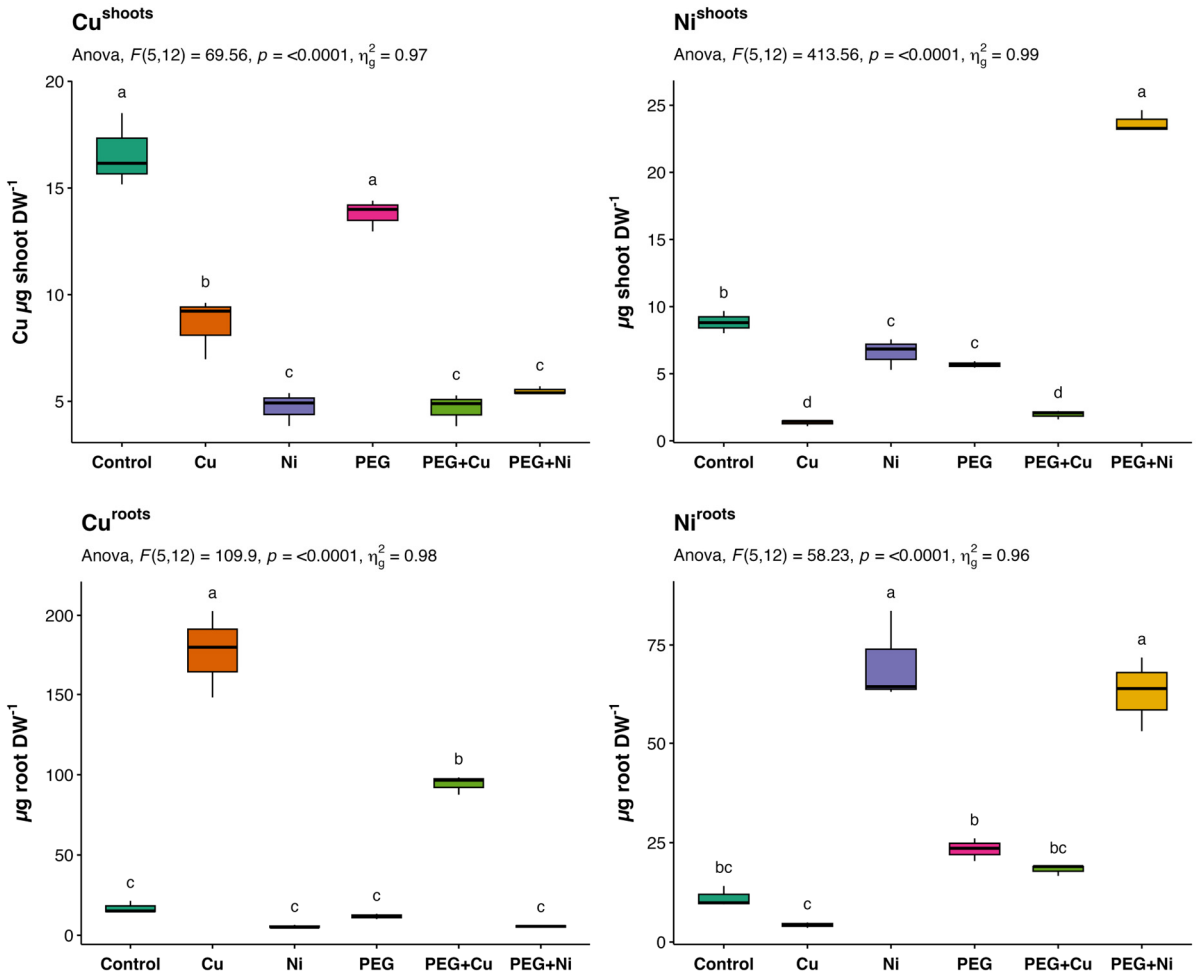


Figure S3. Total copper (Cu) and nickel (Ni) contents in shoots and roots of *S. viminalis* L. 'Tordis' under control conditions and following treatment with Cu, Ni, PEG, PEG+Cu, or PEG+Ni. Values represent the total amount of metal (µg) in the dry biomass (DW) of the respective organ. Lines indicate medians, boxes the interquartile range (25th–75th percentiles, IQR), and whiskers extend to the most extreme observations within 1.5 × IQR below the first or above the third quartile. Groups sharing a letter do not differ significantly (Tukey's HSD following one-way ANOVA, $\alpha = 0.05$).