

Supplementary Materials

Table S1. Morphological characteristics of *Trichoderma* spp. under different concentrations Cu and Ni.

	Treat-ments	Phialide length (μm)		Phialide width (μm)		Conidia length (μm)	Conidia width (μm)
		Apical phialide	Lateral phialide	Apical phialide	Lateral phialide		
20696 <i>Trichoderma harzianum</i>	Control	8.98 ± 2.00 ^a	6.72 ± 0.73 ^a	2.49 ± 0.04 ^a	2.77 ± 0.22 ^a	2.87 ± 0.30 ^b	2.47 ± 0.39 ^a
	60 mg/L Cu	11.21 ± 3.46 ^a	6.70 ± 1.17 ^a	2.99 ± 0.42 ^a	3.13 ± 0.49 ^a	3.01 ± 0.13 ^b	2.78 ± 0.08 ^a
	120 mg/L Cu	9.94 ± 1.58 ^a	5.54 ± 0.71 ^a	2.15 ± 0.11 ^a	2.89 ± 0.32 ^a	2.87 ± 0.25 ^b	2.38 ± 0.19 ^a
20660 <i>Trichoderma harzianum</i>	Control	10.12 ± 2.77 ^a	5.57 ± 0.85 ^a	2.37 ± 0.38 ^a	2.98 ± 0.38 ^a	2.72 ± 0.30 ^b	2.31 ± 0.23 ^a
	60 mg/L Cu	11.28 ± 2.54 ^a	6.39 ± 0.59 ^a	2.29 ± 0.33 ^a	3.00 ± 0.28 ^a	2.93 ± 0.35 ^b	2.48 ± 0.22 ^a
	120 mg/L Cu	10.03 ± 3.16 ^a	6.26 ± 0.67 ^a	2.22 ± 0.21 ^a	2.84 ± 0.21 ^a	3.00 ± 0.31 ^b	2.42 ± 0.19 ^a
20664 <i>Trichoderma longibrachiatum</i>	Control	7.83 ± 1.48 ^a		2.53 ± 0.21 ^a		3.90 ± 0.16 ^a	2.48 ± 0.24 ^a
	60 mg/L Ni	8.06 ± 0.54 ^a		2.81 ± 0.37 ^a		3.94 ± 0.47 ^a	2.45 ± 0.15 ^a
	120 mg/L Ni	7.87 ± 1.57 ^a		2.61 ± 0.16 ^a		3.85 ± 0.33 ^a	2.49 ± 0.21 ^a
22669 <i>Trichoderma longibrachiatum</i>	Control	8.11 ± 1.70 ^a		2.64 ± 0.25 ^a		4.14 ± 0.42 ^a	2.39 ± 0.25 ^a
	60 mg/L Ni	7.91 ± 1.57 ^a		2.71 ± 0.23 ^a		4.26 ± 0.50 ^a	2.36 ± 0.14 ^a
	120 mg/L Ni	8.28 ± 0.96 ^a		2.66 ± 0.18 ^a		4.29 ± 0.56 ^a	2.48 ± 0.18 ^a
22665 <i>Trichoderma longibrachiatum</i>	Control	6.18 ± 1.02 ^a		2.34 ± 0.33 ^a		3.35 ± 0.31 ^{ab}	2.54 ± 0.27 ^a
	1mmol Ni	6.46 ± 1.40 ^a		2.73 ± 0.39 ^a		3.22 ± 0.31 ^{ab}	2.66 ± 0.37 ^a
	2mmol Ni	5.65 ± 2.31 ^a		2.78 ± 0.26 ^a		3.20 ± 0.23 ^{ab}	2.68 ± 0.36 ^a

The statistical data were analyzed with the use of the one-way ANOVA and Tukey's post hoc tests and a statistically significant difference (p-value < 0.05) is denoted by a different letter in the table.