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Microbial assisted phytoextraction of Cd²⁺ by *Salix viminalis* under in vitro culture conditions

Supplementary Material

Table 1. The analysis of the correlation between investigated parameters: dry weight (DW), cadmium concentration, bioconcentration factor (BCF), translocation index (Ti) and level of malondialdehyde (MDA) determined in the leaves, shoots, and roots of *S. viminalis* in the presence of Cd²⁺ in the medium. Bold type – significant correlation (p=0.05)

Control	Leaves					Shoots					Roots				
	DW [g]	Cd conc. [μg/gdw]	BCF	Ti	MDA [nmol/ml]	DW [g]	Cd conc. [μg/gdw]	BCF	Ti	MDA [nmol/ml]	DW [g]	Cd conc. [μg/gdw]	BCF	Ti	MDA [nmol/ml]
DW [g]		0.096	-0.126	-0.124	0.061		-0.625	-0.627	-0.717	0.688		-0.932	-0.866		-0.368
Cd conc. [μg/gdw]	0.096		-0.989	-0.976	0.770	-0.625		1.000	0.973	-0.935	-0.932		0.977	0.977	0.285
BCF	-0.126	-0.989		0.982	-0.710	-0.627	1.000		0.974	-0.933	-0.866	0.977			0.273
Ti	-0.124	-0.976	0.982		-0.727	-0.717	0.973	0.974		-0.881					
MDA [nmol/ml]	0.061	0.770	-0.710	-0.727		0.688	-0.935	-0.933	-0.881		-0.368	0.285	0.273		
<i>Strep-1</i>															
DW [g]		-0.136	0.977	0.982	-0.758		-0.792	-0.794	-0.800	0.743		-0.813	-0.691		-0.780
Cd conc. [μg/gdw]	-0.136		-0.036	-0.107	-0.184	-0.792		0.999	0.998	-0.940	-0.813		0.970		0.868
BCF	0.977	-0.036		0.997	-0.763	-0.794	0.999		0.999	-0.936	-0.691	0.970			0.784
Ti	0.982	-0.107	0.997		-0.749	-0.800	0.998	0.999		-0.933					
MDA [nmol/ml]	-0.758	-0.184	-0.763	-0.749		0.743	-0.940	-0.936	-0.933		-0.780	0.868	0.784		
<i>Strep-2</i>															
DW [g]		-0.728	0.874	0.874	-0.223		0.717	0.707	0.615	-0.771		-0.940	-0.933		0.740
Cd conc. [μg/gdw]	-0.728		-0.767	-0.822	0.129	0.717		0.999	0.979	-0.915	-0.940		0.999		-0.809
BCF	0.874	-0.767		0.994	0.128	0.707	0.999		0.982	-0.910	-0.933	0.999			-0.818
Ti	0.874	-0.822	0.994		0.095	0.615	0.979	0.982		-0.885					
MDA [nmol/ml]	-0.223	0.129	0.128	0.095		-0.771	-0.915	-0.910	-0.885		0.740	-0.809	-0.818		
<i>Strep-3</i>															
DW [g]		-0.240	0.124	-0.068	-0.229		-0.919	-0.920	-0.924	-0.231		0.306	-0.040		-0.186
Cd conc. [μg/gdw]	-0.240		-0.930	-0.889	0.134	-0.919		0.999	0.997	0.136	0.306		0.097		-0.013
BCF	0.124	-0.930		0.916	0.063	-0.920	0.999		0.996	0.151	-0.040	0.097			-0.465
Ti	-0.068	-0.889	0.916		-0.023	-0.924	0.997	0.996		0.203					
MDA [nmol/ml]	-0.229	0.134	0.063	-0.023		-0.231	0.136	0.151	0.203		-0.186	-0.013	-0.465		