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