ON-LINE SUPPLEMENTARY MATERIAL

Behrouzi, Z., Hajiboland, R., Nazari, F., Aliasgharzad, N.: Different responses to manganese toxicity and its mitigation through association with arbuscular mycorrhizal fungus in sunflower and eggplant. Acta Botanica Croatica, DOI: 10.37427/botcro-2027-004.

On-line Suppl. Tab. 1. Three-way ANOVA of the main effects of species, Mn treatment, AMF inoculation and their interactions on various physiological and biochemical parameters in this work. Values are mean of the squares. ns, non-significant; *, **, and *** indicate significance at $P \leq 0.05$, $P \leq 0.01$, and $P \leq 0.001$, respectively.

Parameter	Species	Mn	AMF	Species×Mn	Species×AMF	Mn×AMF	Species×Mn×AMF
Shoot DW	29.773***	6.399***	17.756***	0.00187 ns	3.097***	0.183 ns	0.647*
Root DW	5.717***	1.226***	1.368***	0.248*	0.422**	0.223*	0.0833 ns
Colonisation	1464.149***	371.929***	48003.899***	141.099***	1464.149***	371.929***	141.099***
Chl (*a*+*b*)	39.471***	3.407***	21.739***	8.388***	0.398***	8.854***	0.979***
Carotenoids	0.00505 ns	0.150***	0.106***	0.00894 ns	0.000176 ns	0.00344 ns	0.00314 ns
Anthocyanins	90552.689***	4589.578 ns	4626.020 ns	14314.268 ns	8462.951 ns	7288.568 ns	2713.180 ns
Fv/Fm	0.00130**	0.00108**	0.0112***	0.00884***	0.00165**	0.00281***	0.0132***
Fv/F0	0.0167 ns	0.746 ns	2.647*	0.0143 ns	3.602**	3.636**	7.680***
Fv'/Fm'	0.00383**	0.000392 ns	0.00470**	0.00391**	0.00434**	0.00902***	0.0327***
qP	0.148***	0.00206 ns	0.00953 ns	0.0162*	0.00320 ns	0.0293**	0.00132 ns
qN	0.0792***	0.0977***	0.0993***	0.0481**	0.00613 ns	0.0798***	0.0269*
SOD	6488023.63***	24290184.226***	35799.49 ns	31758046.2***	110475.13 ns	223242.09 ns	524191.96*
CAT	58120.645***	3787.214**	2881.002**	232.179 ns	3093.636**	3799.196**	2817.212**
APX	7.057***	0.537***	0.143**	0.152**	0.0236 ns	0.0757*	0.0401 ns
H_2O_2	28.621***	0.0756 ns	5.374***	0.566***	0.944***	0.319**	0.00000179 ns
MDA	7.297***	6.070***	0.00110 ns	0.0564 ns	3.846***	0.110 ns	0.253**
POD	43946.846***	1172.422 *	525.658 ns	1161.463 ns	523.051 ns	164.882 ns	142.446 ns
PAL	650933.086***	835.968 ns	400.917 ns	912.996 ns	2316.115 ns	56.005 ns	1.998 ns
PPO	166.664***	4.936*	0.000714 ns	5.005**	0.000000886 ns	2.567 ns	2.623 ns
L Phenolics	0.453***	0.00599 ns	0.0139 ns	3.176***	0.000961 ns	1.596***	0.426***
R Phenolics	0.112**	0.541***	0.669***	0.107**	0.145**	0.416***	0.366***
L Sol carbohydrates	9083.791***	1493.528***	355.667***	270.550***	979.730***	124.525**	159.265***
R Sol carbohydrates	9747.415***	130.907***	107.333***	43.142**	556.362***	97.744***	14.592 ns
L Starch	0.405***	0.0567***	0.725***	0.0129**	0.545***	0.339***	0.00887*
R Starch	0.00224*	0.0120***	0.00819***	0.000304 ns	0.0000349 ns	0.00194*	0.0105***
L Mn	502620.271 ns	47388448.92***	9999951.44***	162986.158 ns	9276326.9***	10008986.7***	8732051.35***
R Mn	20506119.4***	69831287.1***	26442712.58***	6824743.55**	159188.09 ns	14455579.9***	1201160.01 ns
L Phosphorus	0.0416 ns	2.837***	6.088***	2.183***	3.538***	0.545*	0.278 ns
R Phosphorus	308.069***	36.315***	1.577 ns	27.585***	1.293 ns	4.071**	1.865*
L Calcium	37611.528***	2945.603***	354.272**	1840.719***	260.184*	36.135 ns	13.177 ns
R Calcium	8330.582***	439.556***	23.092 ns	864.873***	398.755***	0.683 ns	55.227*
L Potassium	17219.962***	822.876***	624.885***	1115.845***	827.436***	288.494***	108.656**
R Potassium	4817.371***	24.323 ns	0.0199 ns	1.260 ns	4.736 ns	9.322 ns	21.580 ns