

Additional file 3. Effects of the extract treatments on seedling biomass

Table S2. Mean values $\pm$ SE per extract treatment (C, L, R, RL) of the total biomass of the seedlings of the test species in the greenhouse experiment and summary of the LMMs implemented to test the effects of the extract treatments, the time since the germination time and the interaction among these factors on total biomass.

Test species	Mean values $\pm$ SE				Treatments			Time since germination			Treatments x time since germination		
	C	L	R	RL	DF	F	p-value	DF	F	p-value	DF	F	p-value
<i>G. struthium</i>	73.27 $\pm$ 6.58	110.69 $\pm$ 10.26	135.53 $\pm$ 14.14	90.19 $\pm$ 10.77	3	1.65	0.217	1	82.58	<0.001	3	2.23	0.086
<i>H. squamatum</i>	4.51 $\pm$ 0.85	3.92 $\pm$ 0.59	9.91 $\pm$ 3.33	5.12 $\pm$ 1.31	3	1.65	0.219	1	110.20	<0.001	3	1.40	0.256
<i>H. syriacum</i>	4.87 $\pm$ 0.55	8.35 $\pm$ 0.91	8.96 $\pm$ 1.54	6.78 $\pm$ 1.01	3	0.88	0.471	1	43.67	<0.001	3	0.02	0.995
<i>T. vulgaris</i>	6.25 $\pm$ 1.86	16.04 $\pm$ 2.18	21.72 $\pm$ 5.14	17.11 $\pm$ 5.44	3	0.88	0.473	1	46.99	<0.001	3	1.44	0.245
<i>H. stoechas</i>	6.85 $\pm$ 1.24	15.22 $\pm$ 2.57	13.75 $\pm$ 4.41	10.86 $\pm$ 4.45	3	1.24	0.332	1	2.29	0.134	3	0.99	0.407
<i>L. suffruticosum</i>	3.94 $\pm$ 0.73	5.38 $\pm$ 0.63	7.97 $\pm$ 2.24	4.44 $\pm$ 0.62	3	1.07	0.389	1	41.77	<0.001	3	2.52	0.066
<i>S. lagascae</i>	13.15 $\pm$ 7.96	10.34 $\pm$ 4.41	10.72 $\pm$ 3.57	2.46 $\pm$ 0.21	3	0.64	0.601	1	172.65	<0.001	3	0.23	0.875
<i>C. clusii</i>	3.61 $\pm$ 0.67	5.01 $\pm$ 0.80	8.52 $\pm$ 1.99	4.24 $\pm$ 1.28	3	0.33	0.805	1	374.91	<0.001	3	1.39	0.248

C: control, L: leaf extract, R: root extract, RL: root and leaf extract

Table S3. Mean values $\pm$ SE per extract treatment (C, L, R, RL) of the below-ground/above-ground biomass ratio of the seedlings of the test species in the greenhouse experiment and summary of the LMMs implemented to test the effects of the extract treatments, the time since the germination time and the interaction among these factors on below-ground/above-ground biomass ratio.

Test species	Mean values $\pm$ SE				Treatments			Time since germination			Treatments x time since germination		
	C	L	R	RL	DF	F	p-value	DF	F	p-value	DF	F	p-value
<i>G. struthium</i>	0.19 $\pm$ 0.01	0.17 $\pm$ 0.01	0.19 $\pm$ 0.02	0.18 $\pm$ 0.01	3	0.41	0.752	1	1.87	0.173	3	1.91	0.130
<i>H. squamatum</i>	0.18 $\pm$ 0.02	0.20 $\pm$ 0.04	0.22 $\pm$ 0.02	0.21 $\pm$ 0.02	3	1.65	0.219	1	110.20	<0.001	3	1.40	0.256
<i>H. syriacum</i>	0.28 $\pm$ 0.02	0.26 $\pm$ 0.02	0.24 $\pm$ 0.01	0.25 $\pm$ 0.02	3	0.88	0.470	1	43.67	<0.001	3	0.02	0.995
<i>T. vulgaris</i>	0.34 $\pm$ 0.04	0.27 $\pm$ 0.03	0.23 $\pm$ 0.02	0.27 $\pm$ 0.03	3	0.88	0.473	1	46.99	<0.001	3	1.44	0.245
<i>H. stoechas</i>	0.26 $\pm$ 0.02	0.23 $\pm$ 0.02	0.24 $\pm$ 0.02	0.25 $\pm$ 0.04	3	1.24	0.332	1	2.29	0.138	3	0.99	0.407
<i>L. suffruticosum</i>	0.36 $\pm$ 0.03	0.30 $\pm$ 0.02	0.31 $\pm$ 0.03	0.29 $\pm$ 0.04	3	1.07	0.389	1	41.76	<0.001	3	2.52	0.066
<i>S. lagascae</i>	0.48 $\pm$ 0.03	0.51 $\pm$ 0.03	0.43 $\pm$ 0.03	0.46 $\pm$ 0.03	3	0.64	0.601	1	172.65	<0.001	3	0.23	0.875
<i>C. clusii</i>	0.26 $\pm$ 0.02	0.23 $\pm$ 0.01	0.25 $\pm$ 0.02	0.26 $\pm$ 0.02	3	0.33	0.805	1	374.91	<0.001	3	1.39	0.248

C: control, L: leaf extract, R: root extract, RL: root and leaf extract