Supplementary Material

Supplementary Figures and Tables

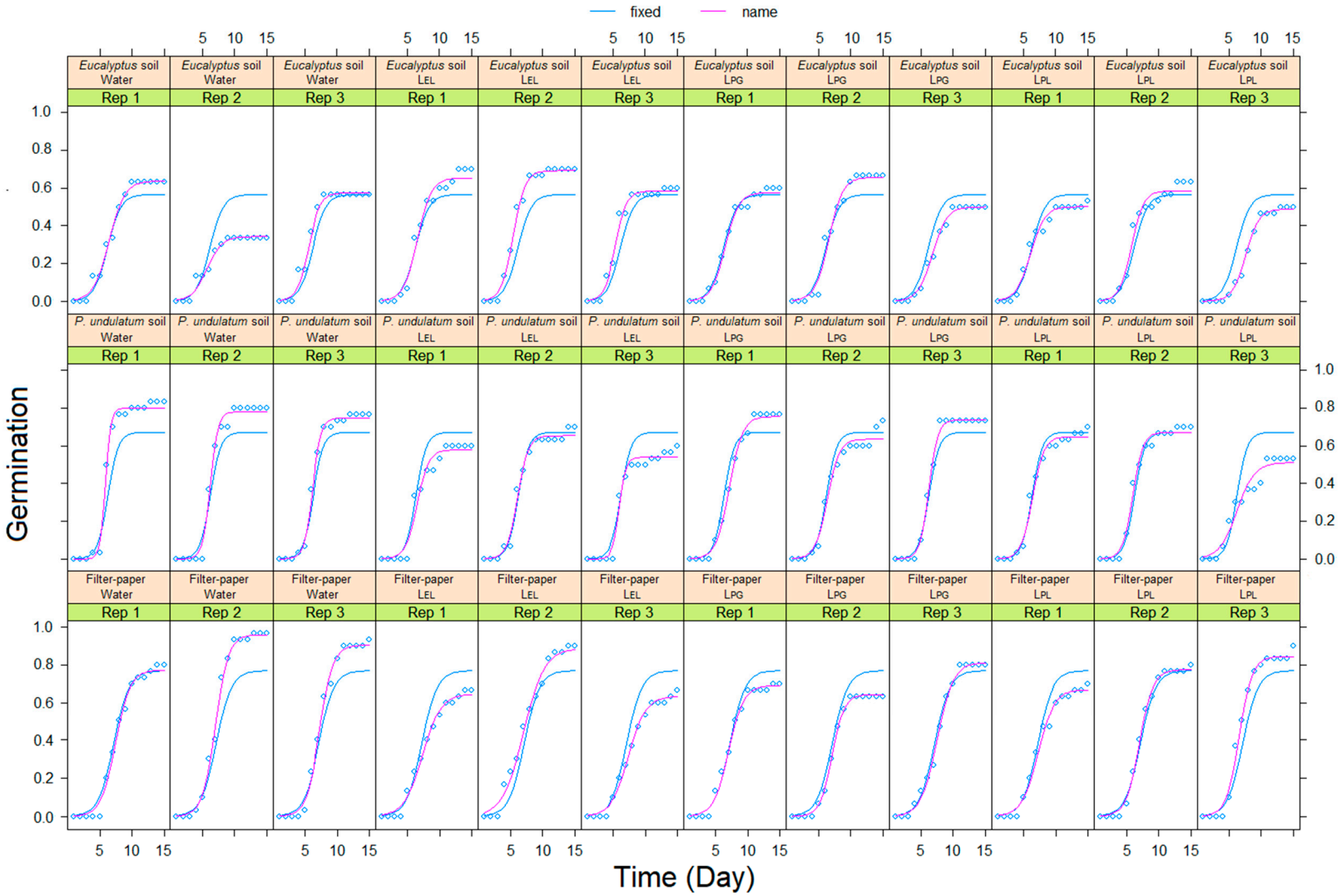

Figure S1. Temporal progression of seeds germination for each Petri dish (n=36) for *Eucalyptus ovata* seeds: all combinations (*substrate × watering treatment*) and all replicates (Rep 1-3) are reported. On the x axis the days of interest are reported (from 17th to 22th day no germination was present, thus this time was removed from the figure to allow for a better visualisation). In each plot, the blue dots represent the daily cumulate counts of germinated seeds. The pink S-shape curves are unique for each dish and they are obtained from the equation $y = GP/(1+exp[-(day- t_{50})/ t_{75}])$. The fitted S-shape curves represent the mean of the three replicates for every combination substrate × watering treatments and are displayed as blue S-shape curves.

Table S1. Summary of Nonlinear Mixed-Effects Models for *Eucalyptus ovata* seeds reported in Table 1. The fixed part of the model was *'(GP + t_{50} + t_{75} ~ substrate)'* and Filter-paper substrate was selected as floor treatment against which *P. undulatum* soil substrate and *Eucalyptus* soil substrate were compared. The table is divided based on the different reference parameters (Intercepts). A) **GP** a numeric parameter representing the horizontal asymptote; B) t_{50} a numeric parameter representing the day of the inflection point of the curve; C) t_{75} a numeric scale parameter representing the distance between t_{50} and ¾ of GP. All results are considered significant when $p < 0.05$ (*ns* > 0.05, * 0.01< p < 0.05, ** 0.001< p < 0.01, *** p < 0.001).

		Value	*Std.Error*	*DF*	*t-value*	*p-value*
A)	**GP(Intercept)**_Filter-paper	0.77	0.029	496	26.45	<0.0001
	GP_*P.undulatum*_soil	-0.10	0.041	496	-2.40	0.0168
	GP_*Eucalyptus*_soil	-0.20	0.041	496	-4.96	<0.0001
B)	t_{50}**(Intercept)**_Filter-paper	7.18	0.137	496	52.47	<0.0001
	t_{50}_*P.undulatum*_soil	-0.92	0.192	496	-4.78	<0.0001
	t_{50}_*Eucalyptus*_soil	-0.99	0.196	496	-5.06	<0.0001
C)	t_{75}**(Intercept)**_Filter-paper	1.19	0.071	496	16.67	<0.0001
	t_{75}_*P.undulatum*_soil	-0.38	0.100	496	-3.85	0.0001
	t_{75}_*Eucalyptus*_soil	-0.15	0.104	496	-1.41	0.1604

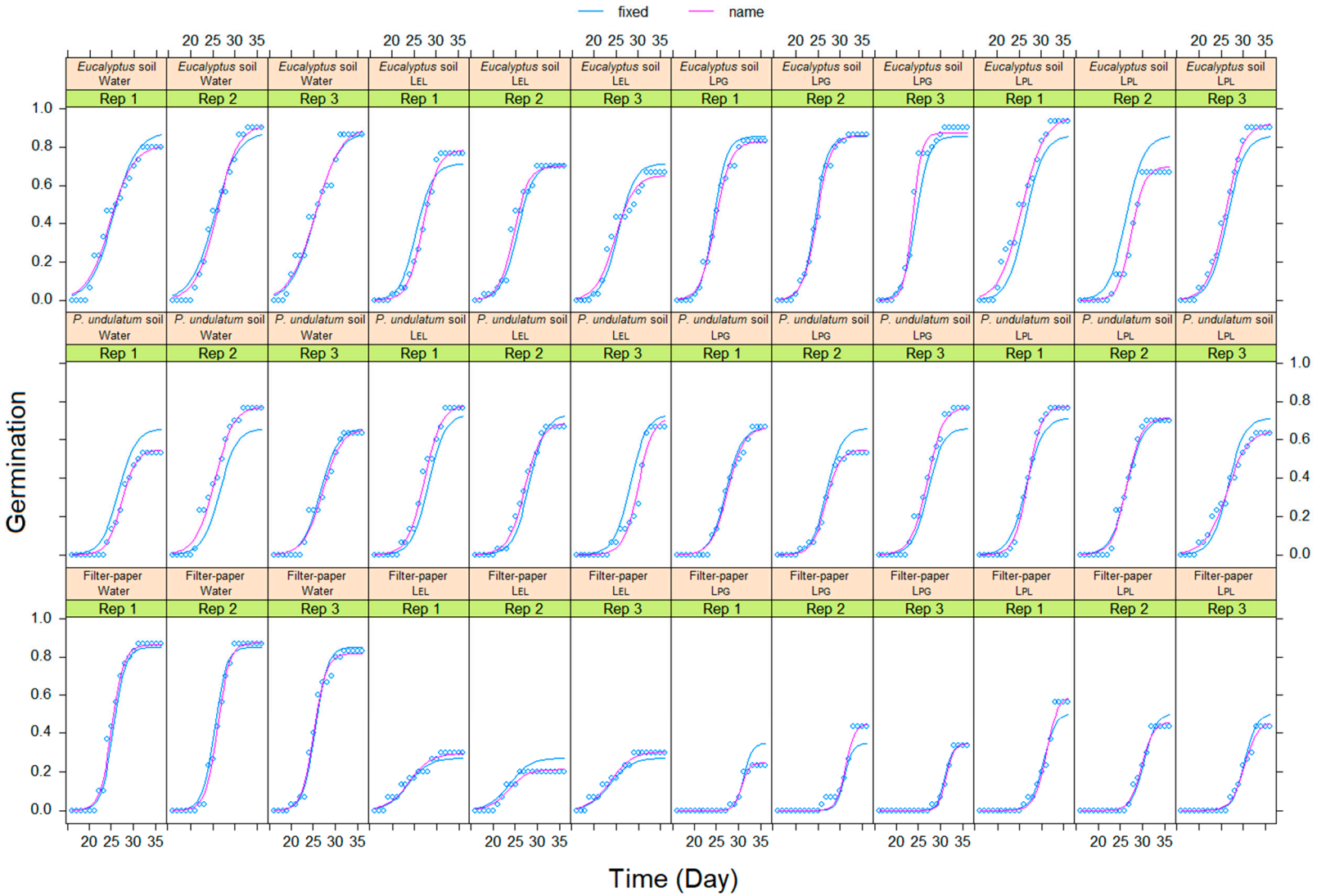

Figure S2. Temporal progression of seeds germination for each Petri dish (n=36) for *Pittosporum undulatum* seeds: all combinations (*substrate × watering treatment*) and all replicates (Rep 1-3) are reported. On the x axis the days of interest are reported (from 15th to 38th day – the first two weeks were removed since the first germination occurred at day 15). In each plot, the blue dots represent the daily cumulate counts of germinated seeds. The pink S-shape curves are unique for each dish and they are obtained from the equation $y= GP/(1+exp[-(day-t_{50})/ t_{75}])$. The fitted S-shape curves represent the mean of the three replicates for every combination substrate × watering treatment and are displayed as blue S-shape curves.

Table S2. Summary of Nonlinear Mixed-Effects Models for *Pittosporum undulatum* seeds reported in Table 2. The fixed part of the model was *'(GP + t_{50} + t_{75}~ substrate × treatment)'* and Filter-paper Water was selected as floor treatment against which all other combinations were compared. The table is divided based on the different reference parameters (Intercepts). A) **GP** a numeric parameter representing the horizontal asymptote; B) **t_{50}** a numeric parameter representing the day of the inflection point of the curve; C) **t_{75}** a numeric scale parameter representing the distance between t_{50} and ¾ of GP. All results are considered significant when $p < 0.05$ (*ns* > 0.05, * 0.01< p < 0.05, ** 0.001< p < 0.01, *** p < 0.001).

		Value	*Std.Error*	*DF*	*t-value*	*p-value*
A)	**GP(Intercept)**_Filter-paper_Water	0.85	0.041	685	20.68	<0.0001
	GP_*P.undulatum*_soil_Water	-0.19	0.059	685	-3.27	0.0011
	GP_*Eucalyptus*_soil_Water	0.03	0.059	685	0.44	0.6622
	GP_Filter-paper_LEL	-0.58	0.058	685	-9.94	<0.0001
	GP_*P.undulatum*_soil_LEL	0.65	0.084	685	7.83	<0.0001
	GP_*Eucalyptus*_soil_LEL	0.41	0.083	685	5.01	<0.0001
	GP_Filter-paper_LPG	-0.50	0.059	685	-8.56	<0.0001
	GP_*P.undulatum*_soil_LPG	0.50	0.084	685	6.08	<0.0001
	GP_*Eucalyptus*_soil_LPG	0.48	0.083	685	5.80	<0.0001
	GP_Filter-paper_LPL	-0.34	0.060	685	-5.79	<0.0001
	GP_*P.undulatum*_soil_LPL	0.39	0.084	685	4.77	<0.0001
	GP_*Eucalyptus*_soil_LPL	0.32	0.084	685	3.90	0.0001

Table S2. (continued)

		Value	*Std.Error*	*DF*	*t-value*	*p-value*
B)	t_{50}**(Intercept)**_Filter-paper_Water	25.36	0.430	685	58.94	<0.0001
	t_{50}_*P.undulatum*_soil_Water	1.14	0.619	685	1.85	0.0647
	t_{50}_*Eucalyptus*_soil_Water	-0.08	0.618	685	-0.14	0.8880
	t_{50}_Filter-paper_LEL	-1.74	0.695	685	-2.50	0.0127
	t_{50}_*P.undulatum*_soil_LEL	3.37	0.936	685	3.60	0.0003
	t_{50}_*Eucalyptus*_soil_LEL	1.89	0.934	685	2.03	0.0429
	t_{50}_Filter-paper_LPG	5.64	0.627	685	8.99	<0.0001
	t_{50}_*P.undulatum*_soil_LPG	-5.1	0.886	685	-5.75	<0.0001
	t_{50}_*Eucalyptus*_soil_LPG	-6.57	0.881	685	-7.46	<0.0001
	t_{50}_Filter-paper_LPL	5.01	0.626	685	8.00	<0.0001
	t_{50}_*P.undulatum*_soil_LPL	-5.01	0.886	685	-5.66	<0.0001
	t_{50}_*Eucalyptus*_soil_LPL	-3.95	0.883	685	-4.47	<0.0001

Table S2. (continued)

		Value	*Std.Error*	*DF*	*t-value*	*p-value*
C)	**t_{75}(Intercept)**_Filter-paper_Water	1.37	0.172	685	7.95	<0.0001
	t_{75}_*P.undulatum*_soil_Water	0.59	0.259	685	2.28	0.0228
	t_{75}_*Eucalyptus*_soil_Water	1.28	0.257	685	4.97	<0.0001
	t_{75}_Filter-paper_LEL	1.00	0.371	685	2.66	0.0079
	t_{75}_*P.undulatum*_soil_LEL	-1.10	0.459	685	-2.40	0.0167
	t_{75}_*Eucalyptus*_soil_LEL	-1.79	0.457	685	-3.92	0.0001
	t_{75}_Filter-paper_LPG	-0.45	0.272	685	-1.66	0.0982
	t_{75}_*P.undulatum*_soil_LPG	0.24	0.384	685	0.62	0.5382
	t_{75}_*Eucalyptus*_soil_LPG	-0.74	0.375	685	-1.99	0.0474
	t_{75}_Filter-paper_LPL	0.03	0.268	685	0.12	0.9056
	t_{75}_*P.undulatum*_soil_LPL	-0.11	0.380	685	-0.28	0.7775
	t_{75}_*Eucalyptus*_soil_LPL	-0.66	0.375	685	-1.77	0.0771

Table S3. Summary of Generalized Linear Models for the time for the first germination (t_0, day) of *Eucalyptus ovata* seedlings under different substrates (*i.e.*, Filter-paper; *P. undulatum* soil; *Eucalyptus* soil) and different watering treatments (*i.e.*, Water; L_{EL} = Leachate of *Eucalyptus* spp. Litter; L_{PG} = Leachate of *P. undulatum* Green leaves; L_{PL} = Leachate of *P. undulatum* Litter). The formula of the model equation is *glm* (t_0 ~ *Substrate* × *Treatment, family = poisson (link = "log")*), the intercept is Filter-paper Water, and the significance is calculated on the exponent and not on the t_0. All results with $p < 0.05$ were considered significant.

Substrate	Watering treatment	*Estimate*	*Std.Error*	*z value*	*Pr(>|z|)*
Filter-paper	Water	1.6090	0.2582	6.233	<0.001
P. undulatum soil	Water	-0.0690	0.3716	-0.186	0.853
Eucalyptus soil	Water	-0.2231	0.3873	-0.576	0.565
Filter-paper	L_{EL}	-0.0690	0.3716	-0.186	0.853
P. undulatum soil	L_{EL}	0.2025	0.5216	0.388	0.698
Eucalyptus soil	L_{EL}	0.0690	0.5521	0.125	0.901
Filter-paper	L_{PG}	-0.0690	0.3716	-0.186	0.853
P. undulatum soil	L_{PG}	0.0690	0.5300	0.130	0.896
Eucalyptus soil	L_{PG}	0.0690	0.5521	0.125	0.901
Filter-paper	L_{PL}	0.0002	0.3651	0.017	0.986
P. undulatum soil	L_{PL}	-0.0741	0.5307	-0.140	0.889
Eucalyptus soil	L_{PL}	0.0800	0.5418	0.148	0.883

Table S4. Summary of Generalized Linear Models for the time for the last germination (t_f, day) of *Eucalyptus ovata* seeds under different substrates (*i.e.*, Filter-paper; *P. undulatum* soil; *Eucalyptus* soil) and different watering treatments (*i.e.*, Water; L_{EL} = Leachate of *Eucalyptus* spp. Litter; L_{PG} = Leachate of *P. undulatum* Green leaves; L_{PL} = Leachate of *P. undulatum* Litter). The formula of the model equation is *glm* (t_f ~ *Substrate* × *Treatment*, *family = poisson (link = "log")*), the intercept is Filter-paper Water, and the significance is calculated on the exponent and not on the t_f. All results with $p < 0.05$ were considered significant.

Substrate	Watering treatment	*Estimate*	*Std.Error*	*z value*	*Pr(>|z|)*
Filter-paper	Water	2.6391	0.1543	17.103	<0.001
P. undulatum soil	Water	-0.1823	0.2289	-0.797	0.426
Eucalyptus soil	Water	-0.2113	0.2307	-0.916	0.360
Filter-paper	L_{EL}	0.0235	0.2170	0.108	0.914
P. undulatum soil	L_{EL}	0.2713	0.3113	0.871	0.384
Eucalyptus soil	L_{EL}	0.0610	0.3217	0.190	0.850
Filter-paper	L_{PG}	0.1125	0.2123	0.530	0.596
P. undulatum soil	L_{PG}	-0.1415	0.3210	-0.441	0.659
Eucalyptus soil	L_{PG}	0.0247	0.3165	0.078	0.938
Filter-paper	L_{PL}	0.0690	0.2146	0.322	0.748
P. undulatum soil	L_{PL}	0.1133	0.3137	0.361	0.718
Eucalyptus soil	L_{PL}	0.2548	0.3110	0.819	0.413

Table S5. Summary of Generalized Linear Models for the time spread of germination ($t_f - t_0$, day) of *Eucalyptus ovata* seeds under different substrates (*i.e.*, Filter-paper; *P. undulatum* soil; *Eucalyptus* soil) and different watering treatments (*i.e.*, Water; L_{EL} = Leachate of *Eucalyptus* spp. Litter; L_{PG} = Leachate of *P. undulatum* Green leaves; L_{PL} = Leachate of *P. undulatum* Litter). The formula of the model equation is *glm* ($(t_f - t_0) \sim Substrate \times Treatment$, *family = poisson (link = "log")*), the intercept is Filter-paper Water, and the significance is calculated on the exponent and not on the $t_f - t_0$. All results with $p < 0.05$ were considered significant.

Substrate	Watering treatment	*Estimate*	*Std.Error*	*z value*	*Pr(>|z|)*
Filter-paper	Water	2.1792	0.1925	11.417	<0.001
P. undulatum soil	Water	-0.2513	0.2910	-0.864	0.388
Eucalyptus soil	Water	-0.2048	0.2872	-0.713	0.476
Filter-paper	L_{EL}	0.0715	0.2674	0.267	0.789
P. undulatum soil	L_{EL}	0.3180	0.3891	0.817	0.414
Eucalyptus soil	L_{EL}	0.0564	0.3962	0.142	0.887
Filter-paper	L_{PG}	0.2007	0.2595	0.773	0.439
P. undulatum soil	L_{PG}	-0.2495	0.4062	-0.614	0.539
Eucalyptus soil	L_{PG}	0.0041	0.3871	0.011	0.991
Filter-paper	L_{PL}	0.1054	0.2653	0.397	0.691
P. undulatum soil	L_{PL}	0.2174	0.3905	0.557	0.578
Eucalyptus soil	L_{PL}	0.3299	0.3811	0.866	0.387

Table S6. Summary of Generalized Linear Models for the time for the first germination (t_0, day) of *Pittosporum undulatum* seeds under different substrates (*i.e.*, Filter-paper; *P. undulatum* soil; *Eucalyptus* soil) and different watering treatments (*i.e.*, Water; L_{EL} = Leachate of *Eucalyptus* spp. Litter; L_{PG} = Leachate of *P. undulatum* Green leaves; L_{PL} = Leachate of *P. undulatum* Litter). The formula of the model equation is *glm* (t_0 ~ *Substrate* × *Treatment*, *family* = *poisson* (*link* = "*log*")), the intercept is Filter-paper Water, and the significance is calculated on the exponent and not on the t_0. All results with $p < 0.05$ were considered significant.

Substrate	Watering treatment	*Estimate*	*Std.Error*	*z value*	*Pr(>|z|)*
Filter-paper	Water	3.0600	0.1250	24.482	<0.001
P. undulatum soil	Water	0.0606	0.1742	0.348	0.728
Eucalyptus soil	Water	-0.0645	0.1797	-0.359	0.719
Filter-paper	L_{EL}	-0.0813	0.1805	-0.451	0.652
P. undulatum soil	L_{EL}	0.0665	0.2494	0.267	0.790
Eucalyptus soil	L_{EL}	0.0474	0.2578	0.184	0.854
Filter-paper	L_{PG}	0.2478	0.1668	1.486	0.137
P. undulatum soil	L_{PG}	-0.2478	0.2392	-1.036	0.300
Eucalyptus soil	L_{PG}	-0.2478	0.2473	-1.002	0.316
Filter-paper	L_{PL}	0.2231	0.1677	1.331	0.183
P. undulatum soil	L_{PL}	-0.2530	0.2408	-1.051	0.293
Eucalyptus soil	L_{PL}	-0.1744	0.2463	-0.708	0.479

Table S7. Summary of Generalized Linear Models for the time for the last germination (t_f, day) of *Pittosporum undulatum* seeds under different substrates (*i.e.*, Filter-paper; *P. undulatum* soil; *Eucalyptus* soil) and different watering treatments (*i.e.*, Water; L_{EL} = Leachate of *Eucalyptus* spp. Litter; L_{PG} = Leachate of *P. undulatum* Green leaves; L_{PL} = Leachate of *P. undulatum* Litter). The formula of the model equation is *glm* (t_f ~ *Substrate* × *Treatment*, *family = poisson (link = "log")*), the intercept is Filter-paper Water, and the significance is calculated on the exponent and not on the t_f. All results with $p < 0.05$ were considered significant.

Substrate	Watering treatment	*Estimate*	*Std.Error*	*z value*	*Pr(>|z|)*
Filter-paper	Water	3.4340	0.1037	33.116	<0.001
P. undulatum soil	Water	0.0318	0.1455	0.218	0.827
Eucalyptus soil	Water	0.0318	0.1455	0.218	0.827
Filter-paper	L_{EL}	-0.0783	0.1496	-0.523	0.601
P. undulatum soil	L_{EL}	0.0886	0.2076	0.427	0.670
Eucalyptus soil	L_{EL}	0.0465	0.2087	0.223	0.824
Filter-paper	L_{PG}	0.0625	0.1444	0.433	0.665
P. undulatum soil	L_{PG}	-0.0419	0.2037	-0.206	0.837
Eucalyptus soil	L_{PG}	-0.0836	0.2047	-0.408	0.683
Filter-paper	L_{PL}	0.0524	0.1447	0.362	0.718
P. undulatum soil	L_{PL}	-0.0524	0.2044	-0.256	0.798
Eucalyptus soil	L_{PL}	-0.0841	0.2053	-0.410	0.682

Table S8. Summary of Generalized Linear Models for the time spread of germination ($t_f - t_0$, day) of *Pittosporum undulatum* seeds under different substrates (*i.e.*, Filter-paper; *P. undulatum* soil; *Eucalyptus* soil) and different watering treatments (*i.e.*, Water; L_{EL} = Leachate of *Eucalyptus* spp. Litter; L_{PG} = Leachate of *P. undulatum* Green leaves; L_{PL} = Leachate of *P. undulatum* Litter). The formula of the model equation is *glm* $((t_f - t_0) \sim Substrate \times Treatment, family = poisson\ (link = "log"))$, the intercept is Filter-paper Water, and the significance is calculated on the exponent and not on the $t_f - t_0$. All results with $p < 0.05$ were considered significant.

Substrate	Watering treatment	*Estimate*	*Std.Error*	*z value*	*Pr(>|z|)*
Filter-paper	Water	2.2687	0.1857	12.217	<0.001
P. undulatum soil	Water	-0.0351	0.2650	-0.132	0.895
Eucalyptus soil	Water	0.2162	0.2495	0.867	0.386
Filter-paper	L_{EL}	-0.0715	0.2674	-0.267	0.789
P. undulatum soil	L_{EL}	0.1405	0.3749	0.375	0.708
Eucalyptus soil	L_{EL}	0.0433	0.3576	0.121	0.904
Filter-paper	L_{PG}	-0.5341	0.3055	-1.748	0.080
P. undulatum soil	L_{PG}	0.6031	0.4029	1.497	0.135
Eucalyptus soil	L_{PG}	0.4769	0.3879	1.229	0.219
Filter-paper	L_{PL}	-0.4769	0.3001	-1.589	0.112
P. undulatum soil	L_{PL}	0.5459	0.3989	1.369	0.171
Eucalyptus soil	L_{PL}	0.2946	0.3888	0.758	0.449

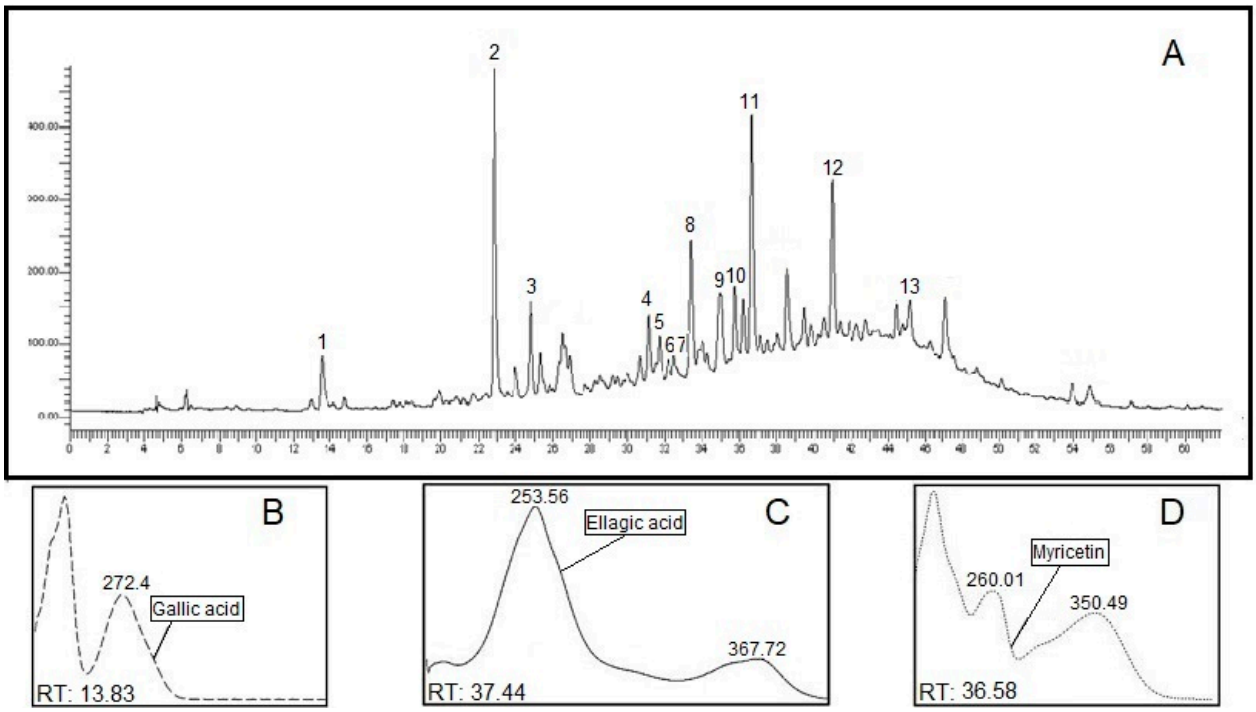

Figure S3. Representative HPLC-DAD chromatogram (at 280 nm) of ethanolic extracts of *Eucalyptus* green leaves. The numbers indicate the major peaks: 1, 2, 3 and 4) gallic acid derivatives, 5, 7, 8, 10, 11 and 12) myricetin derivatives, 6, 9 and 13) ellagic acid derivatives. B, C and D: UV spectra of authentic standards (gallic acid, ellagic acid and myricetin) reported with their Retention Time (RT).

Table S9. List of the compounds detected in ethanolic extracts of green leaves of *Eucalyptus* spp. The putative identification of the compounds was based on the comparison of UV spectra and RT with authentic standards. The peak numbers (n. peak) correspond to the numbers reported in the chromatogram (Figure S3A). Their RT and maximum wavelength (λ_{max}) are reported.

n. peak	RT (min)	λ_{max} (nm)	Putative identification
1	13.87 ± 0.03	272	Gallic acid derivative
2	22.90 ± 0.12	273	Gallic acid derivative
3	24.86 ± 0.12	273	Gallic acid derivative
4	22.69 ± 0.02	272	Gallic acid derivative
5	26.71 ± 0.03	263-354	Myricetin derivative
6	31.13 ± 0.07	254-364	Ellagic acid derivative
7	31.72 ± 0.09	264-352	Myricetin derivative
8	32.27 ± 0.13	261-354	Myricetin derivative
9	32.55 ± 0.07	254-366	Ellagic acid derivative
10	33.45 ± 0.10	259-353	Myricetin derivative
11	35.02 ± 0.11	259-350	Myricetin derivative
12	36.67 ± 0.09	258-349	Myricetin derivative
13	41.00 ± 0.08	253-364	Ellagic acid derivative

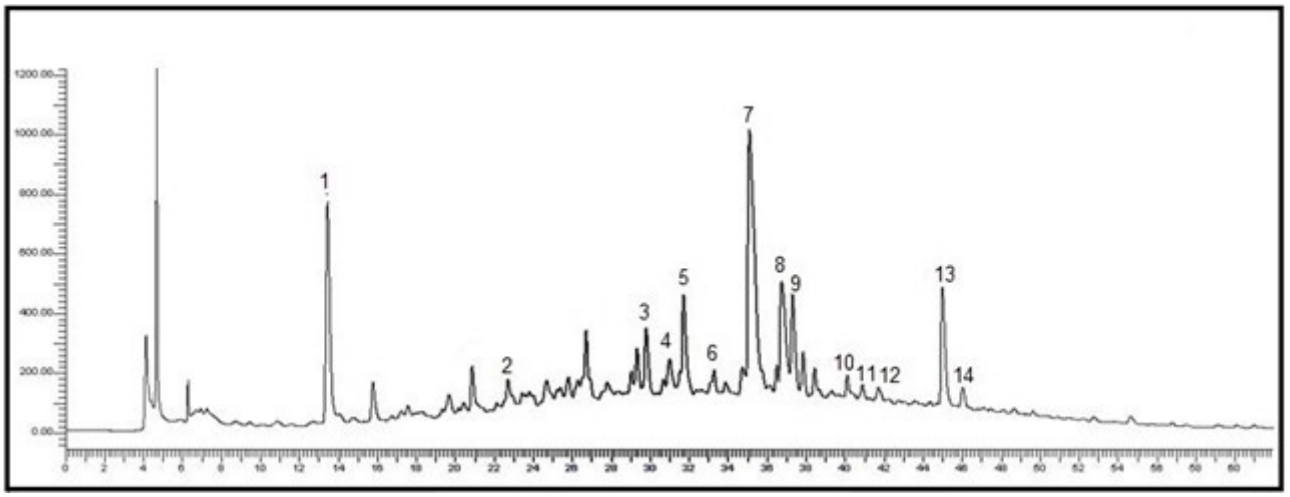

Figure S4. Representative HPLC-DAD chromatogram (at 280 nm) of ethanolic extract of *Eucalyptus* litter. The numbers indicate the major peaks: 1 and 2) gallic acid derivatives, 3, 4, 5, 7, 8, 10, 12, 13 and 14) ellagic acid derivatives, 6, 9 and 11) myricetin derivative.

Table S10. List of the compounds detected in ethanolic extracts of *Eucalyptus* spp. litter. The putative identification of the compounds was based on the comparison of UV spectra and RT with authentic standards. The peak numbers (n. peak) correspond to the numbers reported in the chromatogram (Figure S4). Their RT and maximum wavelength (λ_{max}) are reported.

n. peak	RT (min)	λ_{max} (nm)	Putative identification
1	13.43 ± 0.03	272	Gallic acid derivative
2	22.69 ± 0.02	273	Gallic acid derivative
3	29.79 ± 0.03	253-363	Ellagic acid derivative
4	31.00 ± 0.03	255-368	Ellagic acid derivative
5	31.70 ± 0.02	251-367	Ellagic acid derivative
6	33.43 ± 0.3	259-358	Myricetin derivative
7	35.07 ± 0.02	251-366	Ellagic acid derivative
8	36.73 ± 0.04	252-368	Ellagic acid derivative
9	37.30 ± 0.02	260-355	Myricetin derivative
11	40.09 ± 0.02	250-366	Ellagic acid derivative
11	40.87 ± 0.02	260-356	Myricetin derivative
12	41.69 ± 0.02	251-367	Ellagic acid derivative
13	44.97 ± 0.04	252-369	Ellagic acid derivative
14	46.01 ± 0.02	251-369	Ellagic acid derivative

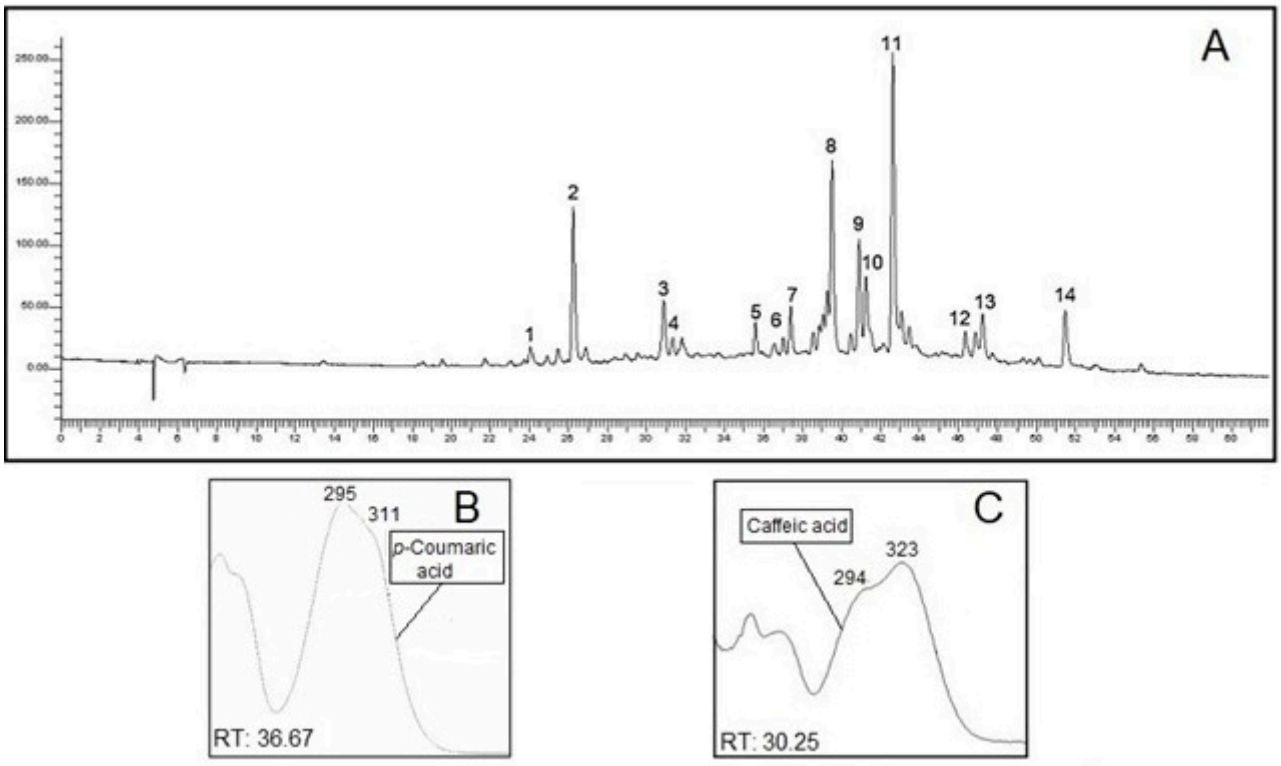

Figure S5. Representative HPLC-DAD chromatogram (at 330 nm) of ethanolic extracts od *Pittosporum undulatum* green leaves. The numbers indicate the major peaks: 1, 2, 4, 8, 9, 10, 11, 12, 13 and 14) caffeic acid derivatives, 3) *p*-coumaric acid derivative, 5, 6 and 7) myricetin derivatives. B, C: UV spectra of authentic standards (*p*-coumaric and caffeic acid) reported with relative Retention Time (RT).).

Table S11. List of the compounds detected in ethanolic extracts of green leaves of *Pittosporum undulatum*. The putative identification of the compounds was based on the comparison of UV spectra and RT with authentic standards. The peak numbers (n. peak) correspond to the numbers reported in the chromatogram (Figure S5A). Their RT and maximum wavelength (λ_{max}) are reported.

n. peak	RT (min)	λ_{max} (nm)	Putative identification
1	23.60 ± 0.88	296-324	Caffeic acid derivative
2	25.72 ± 1.02	297-323	Caffeic acid derivative
3	30.16 ± 1.28	295-312	*p*-Coumaric acid derivative
4	30.70 ± 1.16	295-323	Caffeic acid derivative
5	35.76 ± 0.06	259-352	Myricetin derivative
6	37.53 ± 0.01	258-353	Myricetin derivative
7	39.42 ± 0.03	258-352	Myricetin derivative
8	38.71 ± 1.41	297-325	Caffeic acid derivative
9	40.09 ± 1.42	297-324	Caffeic acid derivative
10	40.44 ± 1.42	296-324	Caffeic acid derivative
11	41.84 ± 1.38	296-325	Caffeic acid derivative
12	45.82 ± 0.90	297-324	Caffeic acid derivative
13	46.37 ± 0.84	298-323	Caffeic acid derivative
14	51.31 ± 0.32	297-321	Caffeic acid derivative

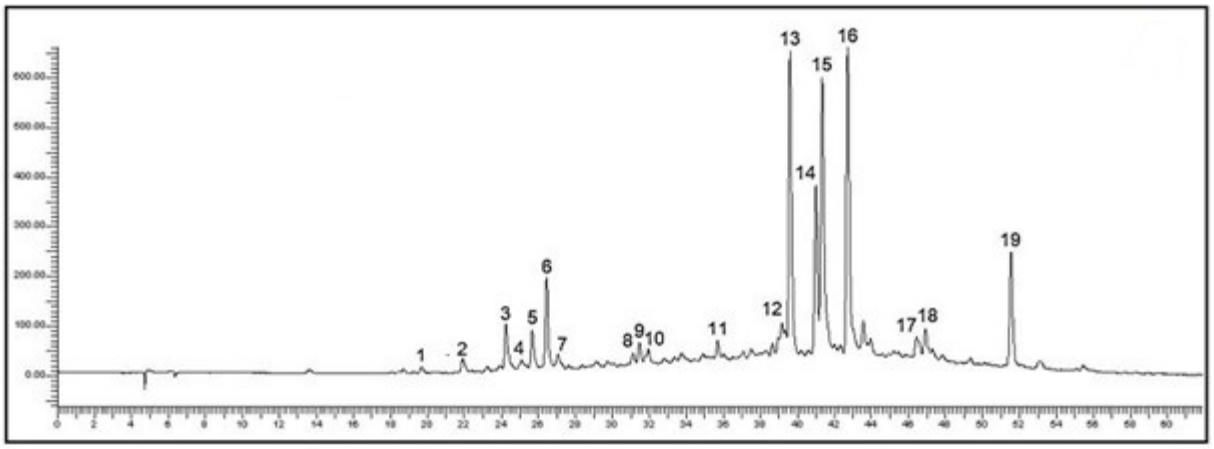

Figure S6. Representative HPLC-DAD chromatogram (at 330 nm) of ethanolic extracts of *Pittosporum undulatum* litter. The numbers indicate the major peaks: 1, 2, 3, 4, 5, 6, 7, 9, 10, 13, 14, 15, 16, 17, 18 and 19) caffeic acid derivatives, 8) *p*-coumaric acid derivative,11 and 12) myricetin derivatives.

Table S12. List of the compounds detected in ethanolic extracts of litter of *Pittosporum undulatum*. The putative identification of the compounds was based on the comparison of UV spectra and RT with authentic standards. The peak numbers (n. peak) correspond to the numbers reported in the chromatogram (Figure S6). Their RT and maximum wavelength (λ_{max}) are reported.

n. peak	RT (min)	λ_{max} (nm)	Putative identification
1	19.77 ± 0.03	296-325	Caffeic acid derivative
2	21.86 ± 0.04	294-324	Caffeic acid derivative
3	24.21 ± 0.03	297-324	Caffeic acid derivative
4	25.07 ± 0.03	294-326	Caffeic acid derivative
5	25.63 ± 0.04	295-325	Caffeic acid derivative
6	26.39 ± 0.04	297-323	Caffeic acid derivative
7	27.02 ± 0.04	297-325	Caffeic acid derivative
8	31.06 ± 0.05	292-313	*p*-Coumaric acid derivative
9	31.40 ± 0.04	296-324	Caffeic acid derivative
10	31.89 ± 0.04	295-325	Caffeic acid derivative
11	35.77 ± 0.03	259-350	Myricetin derivative
12	39.24 ± 0.02	259-350	Myricetin derivative
13	39.54 ± 0.05	297-325	Caffeic acid derivative
14	40.93 ± 0.05	296-327	Caffeic acid derivative
15	41.28 ± 0.05	298-326	Caffeic acid derivative
16	42.66 ± 0.05	298-326	Caffeic acid derivative
17	46.42 ± 0.08	297-325	Caffeic acid derivative
18	46.85 ± 0.05	296-323	Caffeic acid derivative
19	51.48 ± 0.05	298-326	Caffeic acid derivative

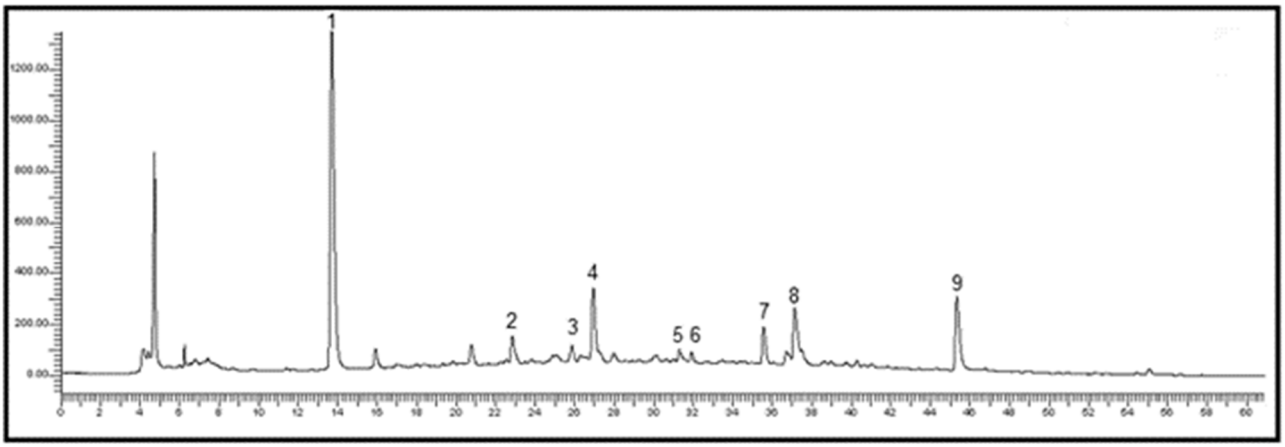

Figure S7. Representative HPLC-DAD chromatogram (at 280 nm) of aqueous extracts of *Eucalyptus* litter. The numbers indicate the major peaks: 1, 2 and 4) gallic acid derivatives, 3, 5, 6, 7, 8 and 9) ellagic acid derivatives.

Table S13. List of the compounds detected in aqueous extracts of litter of *Eucalyptus* spp. The putative identification of the compounds was based on the comparison of UV spectra and RT with authentic standards. The peak numbers (n. peak) correspond to the numbers reported in the chromatogram (Figure S7). Their RT and maximum wavelength (λ_{max}) are reported.

n. peak	RT (min)	λ_{max} (nm)	Putative identification
1	13.78 ± 0.08	272	Gallic acid derivative
2	22.99 ± 0.02	273	Gallic acid derivative
3	25.98 ± 0.03	258-369	Ellagic acid derivative
4	27.08 ± 0.02	273	Gallic acid derivative
5	31.43 ± 0.07	258-369	Ellagic acid derivative
6	31.88 ± 0.04	258-369	Ellagic acid derivative
7	35.66 ± 0.04	258-368	Ellagic acid derivative
8	37.23 ± 0.05	258-369	Ellagic acid derivative
9	45.42 ± 0.04	258-368	Ellagic acid derivative

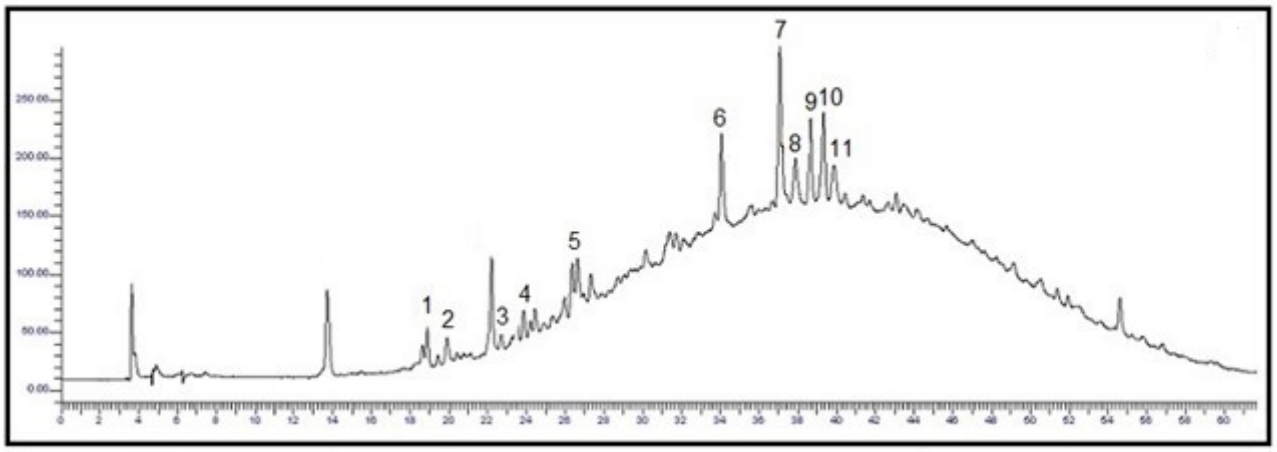

Figure S8. Representative HPLC-DAD chromatogram (at 330 nm) of aqueous extracts of *P. undulatum*. The numbers indicate the major peaks: 1,2, 3, 4, 5, 8, 9, 10 and 11) caffeic acid derivatives, 6) myricetin derivatives, 7) *p*-coumaric acid derivative.

Table S14. List of the compounds detected in aqueous extracts of litter of *P. undulatum*. The putative identification of the compounds was based on the comparison of UV spectra and RT with authentic standards. The peak numbers (n. peak) correspond to the numbers reported in the chromatogram (Figure S8). Their RT and maximum wavelength (λ_{max}) are reported.

n. peak	RT (min)	λ_{max} (nm)	Putative identification
1	18.61 ± 0.02	291-319	Caffeic acid derivative
2	19.93 ± 0.02	294-323	Caffeic acid derivative
3	22.67 ± 0.05	290-319	Caffeic acid derivative
4	23.89 ± 0.04	290-321	Caffeic acid derivative
5	26.42 ± 0.02	290-318	Caffeic acid derivative
6	34.04 ± 0.05	262-352	Myricetin derivative
7	37.10 ± 0.04	293-312	*p*-Coumaric acid derivative
8	37.89 ± 0.02	292-325	Caffeic acid derivative
9	38.68 ± 0.03	294-321	Caffeic acid derivative
10	39.33 ± 0.02	290-321	Caffeic acid derivative
11	39.85 ± 0.02	293-323	Caffeic acid derivative