

Supplementary Materials:

**Table S1.** Correlation between the content of phytochemical compound and biological activity of *Cistus* extracts.

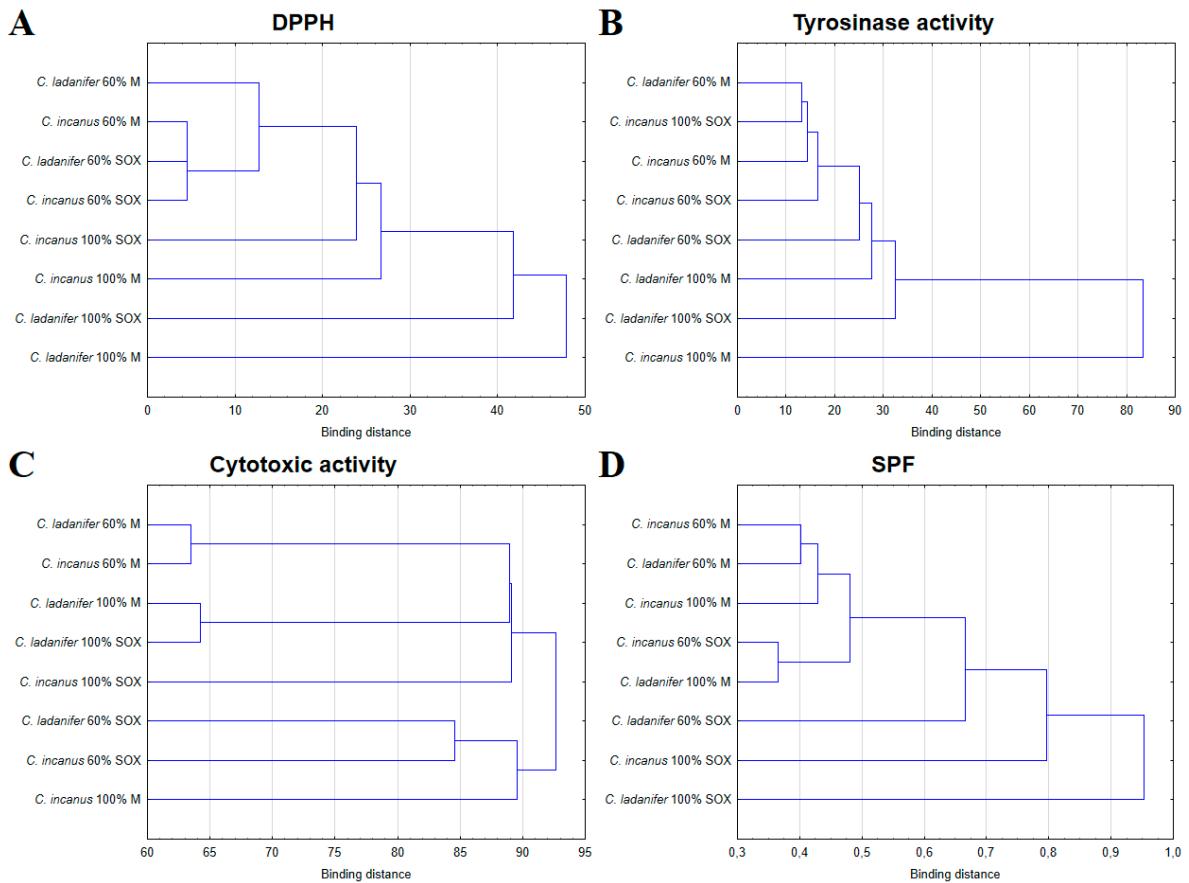
	<i>ellagic acid</i>	<i>gallic acid</i>	<i>quercetrine</i>	<i>kaempferol glucoside</i>	<i>epigallocatechin</i>	<i>galocatechin</i>	<i>epicatechin</i>	<i>rutoside</i>	<i>epigallocatechin dimer</i>	<i>kaempferol diglycoside</i>	<i>kaempferol diglycoside</i>	<i>myricetin</i>	<i>myricetin pentoside</i>	<i>myricitrin</i>	<i>quercetin pentoside</i>
Antioxidant activity	-.174	.182	.575	.432	.902**	-.199	.845**	.218	-.120	.321	.297	.271	.456	.575	.599
Tyrosinase inhibitory activity	.245	.232	-.490	-.064	-.941***	-.127	-.955***	-.065	-.256	.207	.333	.0660	-.365	-.878**	-.495
Cytotoxicity against A375	-.130	.513	.460	.533	.253	.478	.204	.469	-.244	.564	.329	.512	.395	.252	.429

\*\*  $p < 0.01$ , \*\*\*  $p < 0.001$ .

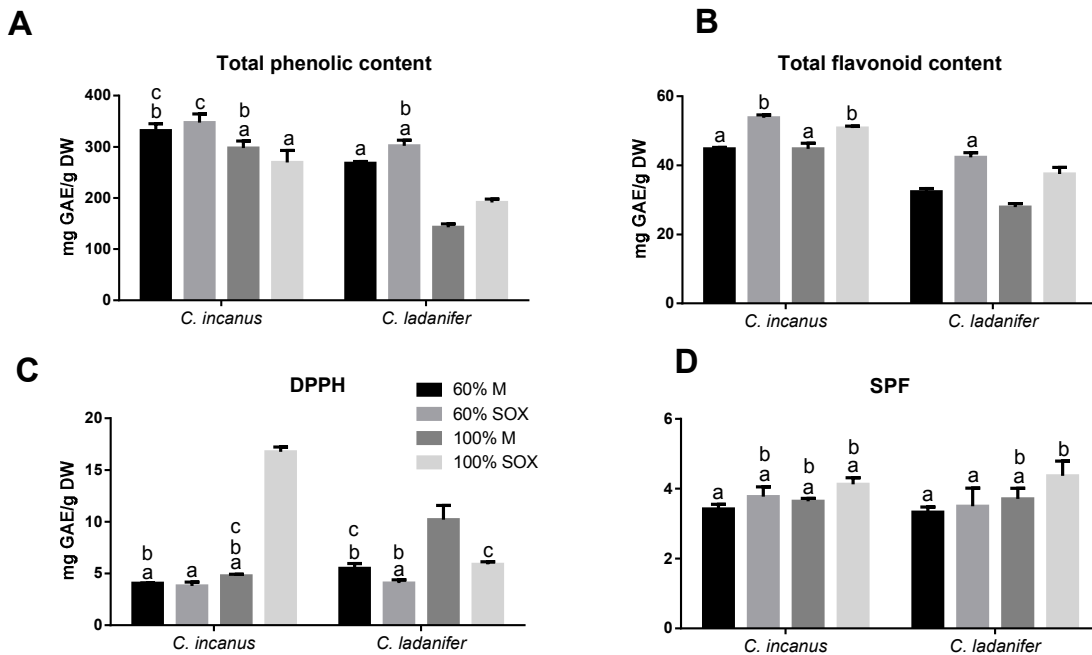
**Table S2.** Correlation between tyrosinase inhibitory activity and antioxidant activity of *Cistus* extracts and cytotoxicity against A375 melanoma cells.

	<i>C. incanus</i> 60% M	<i>C. ladanifer</i> 60% M	<i>C. incanus</i> 60% SOX	<i>C. ladanifer</i> 60% SOX	<i>C. incanus</i> 100% M	<i>C. ladanifer</i> 100% M	<i>C. incanus</i> 100% SOX	<i>C. ladanifer</i> 100% SOX	
Cytotoxicity against A375									
Antioxidant activity		-.730	-.762	-.396	-.519	-.280	-.184	-.209	-.547
Tyrosinase inhibitory activity		.955*	.972**	.976**	.893*	.957*	.489	.962**	.723
Antioxidant activity									
Tyrosinase inhibitory activity		-.807	-.637	-.609	-.699	-.538	-.591	-.354	-.578

\*  $p < 0.05$ , \*\*  $p < 0.01$ .



**Figure S1.** Dendrograms showing similarities between the tested extracts depending on DPPH (A), tyrosinase activity (B), cytotoxic activity (C) and SPF results (D).



**Figure S2.** Graphs showing the content of total phenolics, flavonoids, DPPH scavenging activity in *C. incanus* and *C. ladanifer* extracts and determination of the Sun Protection Factor (SPF) of *C. incanus* and *C. ladanifer* extracts; each value represents mean  $\pm$  SD ( $n = 3$ ). Means not sharing the same letter are significantly different at  $p < 0.05$ .