

Supplementary Materials

Table S1. Chemical composition of Sardinian *Juniper oxycedrus* L. ssp. Macrocarpa essential oil. The table includes the chemical composition of essential oil from aerial parts of Sardinian *Juniper oxycedrus* L. ssp. Macrocarpa based on GC/MS analysis. Column was a “no-polar column ZB-5”. Data represent the mean of three replicates \pm SD.

Rt	RI apol Lett	RI apol Sper	Constituents	%	I.D. ^(a)
10.38	700	704	heptane	0.05 \pm 0.01	RI, MS
21.50	920	920	β -thujene	0.10 \pm 0.02	Std
22.08	937	939	α -pinene	56.63 \pm 0.24	Std
22.89	945	953	α -fenchene	0.05 \pm 0.01	Std
23.01	956	955	camphene	1.50 \pm 0.02	Std
23.59	970	974	benzaldehyde	0.04 \pm 0.01	RI, MS
24.14	975	977	α -sabinene	0.33 \pm 0.03	Std
24.59	979	981	β -pinene	13.42 \pm 0.09	Std
24.90	991	992	β -myrcene	0.73 \pm 0.04	Std
25.94	1004	1003	pseudolimonene	0.03 \pm 0.01	RI, MS
26.06	1003	1005	α -phellandrene	0.04 \pm 0.01	Std
26.22	1008	1011	γ -3-carene	0.66 \pm 0.02	Std
26.64	1017	1015	α -terpinene	0.30 \pm 0.02	Std
27.06	1025	1026	p-cymene	0.51 \pm 0.03	Std
27.36	1029	1027	limonene	14.66 \pm 0.11	Std
27.46	1026	1030	benzyl alcohol	3.41 \pm 0.05	RI, MS
27.59	1026	1031	1,8-cineole	1.37 \pm 0.03	Std
28.88	1060	1064	γ -terpinene	0.16 \pm 0.02	Std
30.39	1088	1087	γ -terpinolene	0.14 \pm 0.01	Std
32.46	1129	1128	<i>cis</i> -allo-ocimene	3.00 \pm 0.07	RI, MS
33.16	1131	1131	<i>trans</i> -allo-ocimene	0.25 \pm 0.03	RI, MS
33.59	1137	1141	<i>trans</i> -sabinol	0.06 \pm 0.01	RI, MS
35.17	1169	1166	endo-borneol	0.03 \pm 0.01	RI, MS

35.50	1177	1180	terpinen-4-ol	0.13±0.02	Std
35.67	1179	1183	p-cymen-8-ol	0.02±0.01	RI, MS
36.13	1186	1180	α -terpineol	0.08±0.02	Std
39.99	1189	1287	bornyl acetate	0.08±0.01	RI, MS
42.39	1350	1352	α -cubebene	0.03±0.01	Std
42.73	1350	1353	α -longipinene	0.02±0.01	RI, MS
45.06	1419	1419	β -caryophyllene	0.40±0.08	Std
46.17	1452	1454	humulene	0.07±0.02	Std
46.58	1480	1480	γ -muurolene	0.03±0.01	RI, MS
46.89	1485	1482	germacrene D	0.05±0.01	Std
47.78	1521	1523	δ -cadinene	0.10±0.02	Std
47.93	1529	1530	calamenene	0.02±0.01	RI, MS
49.81	1582	1583	caryophyllene oxide	0.07±0.02	Std
			Total	99.72	
			Hydrocarbon monoterpene	72.5	
			Oxygenated monoterpene	1.28	
			Hydrocarbon sesquiterpenes	23	
			Oxygenated sesquiterpenes	2	
			Diterpenes	0.54	
			Others	0.4	

- (a) Identification methods: RI (Retention Index): Comparative analysis with retention indexes reported in the literature; Std (Standard): Evaluation based on comparison of the retention time and mass spectrum with available authentic standards; MS (Mass Spectrum): Comparison with computer mass libraries such as Adams, Nist 11 and by interpretation of the mass spectra fragmentations.

Table S2. Universal and species specific primers used in *C. albicans* molecular identification.

Species	Primer name	Sequences
<i>Clinically relevant Yeasts</i>	UNI 1	GTCAAACCTTGGTCATTTA
	UNI 2	TTCTTTTCCTCCGCTTATTG
<i>C. albicans</i>	Calb	AGCTGCCGCCAGAGGTCTAA

Table S3. Primers used in PCR for bacterial molecular identification. The table shows all primers that used in the PCR reaction for *P. aeruginosa* and *S. aureus* molecular identification and the amplified gene for each genus and the length of the amplified fragment in bp

Species	Primer name	Sequences
16S rDNA	16S	AGAGTTTGATCMTGGCTCAG GYTACCTTGTTACGACTT
<i>P. aeruginosa</i>	SSS	GCCTCTACCAGTACCTGCTAC GYTACCTTGTTACGACTT
<i>S. aureus</i>	aur	TCGCTTGCTATGATTGTGG GCCAATGTTCTACCATAGC