

Supplementary Table S1. Changes in the composition of essential oil isolated from different species of *Ocimum* analyzed by GC-MS

Sl. No.	Retention Index	Compounds identified			
		<i>O. tenuiflorum</i>	<i>O. canum</i>	<i>O. basilicum</i>	<i>O. gratissimum</i>
1	3-Hexen-1-ol	0.1	0.1	0.1	
2	α -Pinene	0.1			0.2
3	1-Octen-3-ol	0.1	1	0.1	
4	β -Pinene	0.2	0.1		0.9
5	3-Octanone	0.1		0.1	
6	Myrcene		0.2		
7	3-Octanol	0.2	0.2		0.1
8	Octanal	0.3	0.1	0.2	0.3
9	α -Terpinene		0.2		0.1
10	p-Cymene	1.9	12.2	3.2	15.1
11	Limonene	0.2		0.2	0.1
12	β -Ocimene	0.3	0.4		0.2
13	γ -Terpinene	1.2	1.9	2	
14	Terpinolene		0.4		0.2
15	Linalool	3.5	21.1	24.8	7.7
16	allo-Ocimene	0.6	0.5	0.1	0.8
17	Camphor	26.2	13.7	7.6	10.1
18	Borneol	0.1			0.2
19	Terpinen-4-ol	0.2	0.2		
20	p-Cymen-8-ol		0.3		0.3
21	α -Terpineol	0.5		0.1	
22	Myrtenol	0.5	0.2		0.2

23	Methyl Chavicol (Estragole)	1194	18	4.9	31.9	9.3
24	Nerol	1234	0.4			0.2
25	Neral	1249	0.2	0.4		0.3
26	Geraniol	1249	0.5			
27	Geranial	1264		0.2		0.3
28	Iso Bornyl acetate	1286	0.1	0.1		0.1
29	Thymol	1287	7.2	27.7	8.4	32.8
30	Carvacrol	1296	0.4	0.1		0.3
31	δ -Elemene	1385	0.9	0.1		
32	Eugenol	1355	29	8.4	7.2	12.3
33	trans-Methyl cinnamaldehyde	1375	0.2		0.2	
34	β -Elemene	1388	2.4	0.9		
35	Methyl eugenol	1401	2.1	3.7	12.1	5.5
36	α -cis-Bergamotene	1408	0.1			
37	β -Gurjunene	1430			0.1	
38	cis- β -Farnesene	1438				0.1
39	α -Humulene	1452	0.2		0.1	0.5
40	Germacrene D	1479	0.2		0.3	0.3
41	β -Selinene	1486		0.1	0.2	
42	trans-Methyl isoeugenol	1486				0.6
43	α -Selinene	1496	0.2		0.2	
44	Germacrene A	1505	0.5			0.1
45	7-Epi- α -selinene	1519		0.2	0.1	
46	δ -Cadinene	1521	0.3			
47	γ -Cadinene	1512	0.4			0.2
48	Nerolidol	1529		0.2	0.2	
49	α -Cadinene	1534		0.1		

50	Spathulenol	1576	0.1			0.1
51	1,10-di-epi-Cubenol	1668			0.1	
52	γ -Eudesmol	1631			0.1	0.2
53	epi- α -Bisabolol	1682	0.2			
54	Phytol	1939		0.1	0.3	0.3
55	Isophytol	1945	0.1			

Supplementary Table S2. The indicators of toxicity in guppy fishes induced by the different *Ocimum* essential oils prepared by ultrasound assisted methods (Data shown is for the highest dose 250 $\mu\text{g/L}$)

Treatment group	% Mortality	Fishes with swimming difficulty	Fishes with color change	Time spending on top of water (Seconds)
Normal	0	0	0	39.0 \pm 5.0
<i>O. gratissimum</i>	0	0	0	42.0 \pm 3.0
<i>O. basilicum</i>	0	0	0	37.0 \pm 3.0
<i>O. canum</i>	0	0	0	40.0 \pm 3.0
<i>O. tenuiflorum</i>	0	0	0	39.0 \pm 3.0