

Characteristic Features and Comparative analysis of essential oil composition of selected species of *Ocimum sanctum* L. through GCMS

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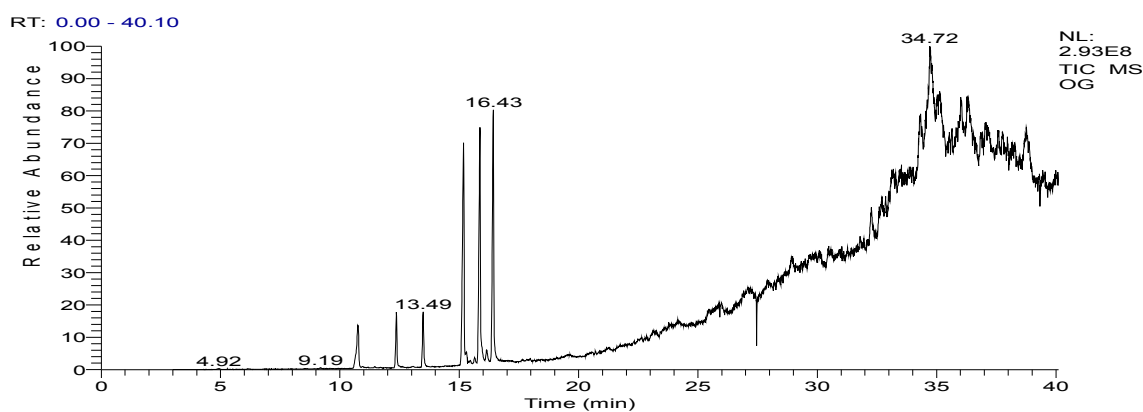
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Table 1

Chemical Composition of volatile oil extract from *O. gratissimum* analyzed by GC-MS.

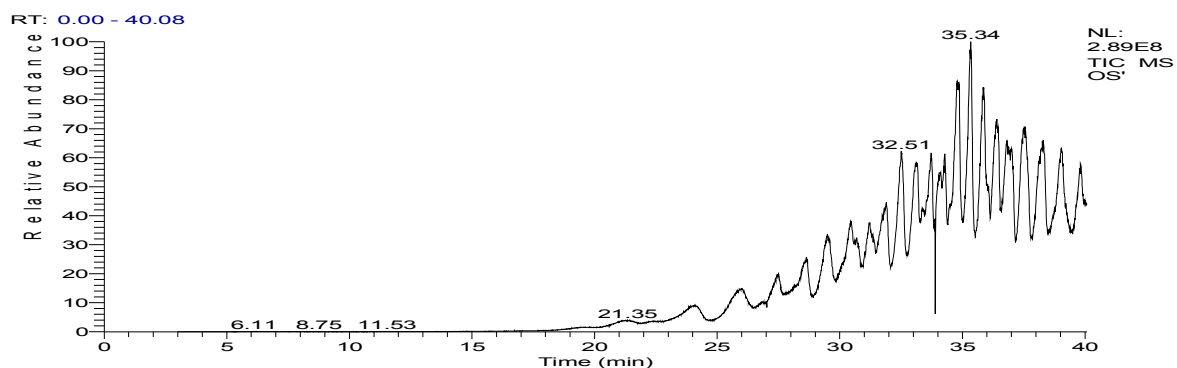


RT	Compound Name	Probability	Peak Area	Area %	Molecular Weight
10.75	1,6-Octadien-3-ol, 3,7-dimethyl-	70.62	264140772.25	1.98	154
10.75	Linalyl acetate	5.63	264140772.25	0.36	196
12.36	Linalyl isobutyrate	1.68	199242845.32	1.50	224
13.49	1,5-Dimethyl-1-vinyl-4-hexenyl butyrate	1.95	200305251.13	1.50	224

15.17	Estragole	23.88	1042348110.23	7.38	148
17.97	2-Hexyl-1-octanol	3.08	27009602.76	0.20	214

Table 2

Chemical Composition of volatile oil extract from *O. Sanctum* analyzed by GC-MS.

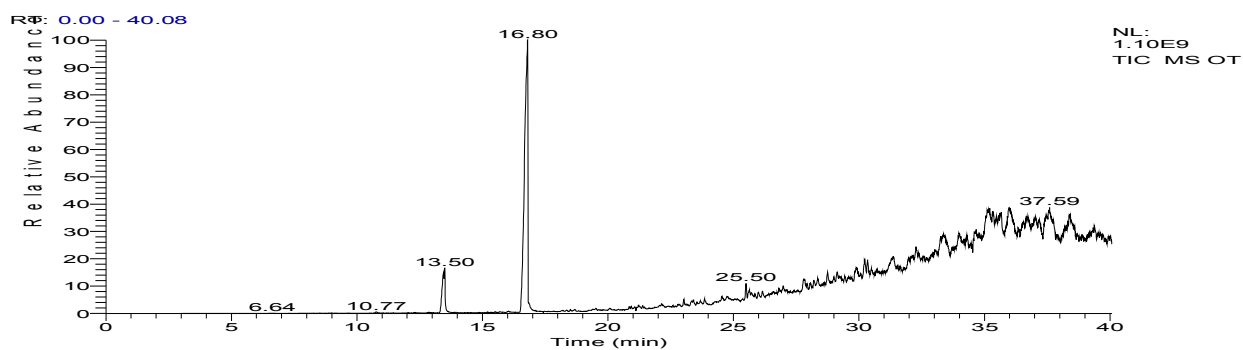


RT	Compound Name	Probability	Peak Area	Area %	Molecular Weight
21.24	1-Dodecanol, 2-octyl-	3.46	13686614 2.39	0.54	298
21.24	1-Decanol, 2-octyl-	2.95	13686614 2.39	0.54	270

22.35	2-methyltetracosane	3.26	19645383.15	0.08	352
24.09	Tetracontane, 3,5,24-trimethyl-	4.27	358800273.33	1.41	604
26.82	Octatriacontyl pentafluoropropionate	2.09	29166462.68	0.11	696
38.29	Sulfurous acid, butyl octadecyl ester	4.07	1702077568.54	6.70	390

Table 3

Chemical Composition of volatile oil extract from *O. Canum* analyzed by GC-MS.



RT	Compound Name	Probability	Peak Area	Area %	Molecular Weight
13.47	1,6-Octadien-3-ol, 3,7-dimethyl	57.31	1415878189.55	4.08	154
13.47	Linalyl isobutyrate	1.82	1415878189.55	4.08	224

16.77	Estragole	43.16	10188160501.52	29.39	148
16.77	Benzene, (1-propynylthio)-	0.91	10188160501.52	29.39	148
18.68	10-Methylnonadecane	18.24	57180203.88	0.16	282
18.68	Sulfurous acid, 2-propyl undecyl ester	4.77	57180203.88	0.16	278
19.52	2-Hexyl-1-octanol	8.03	155688172.07	0.45	214
20.07	1-Octadecyne	5.13	55019667.38	0.16	250
20.07	1-Heptadecyne	5.34	55019667.38	0.16	236
22.07	Oxalic acid, cyclobutyl octadecyl ester	6.49	223103118.93	0.64	396
25.50	Levomenol	24.39	231862815.33	0.67	222