

## **Chemical composition of essential oil of *Artemisia vulgaris* from West Azerbaijan, Iran**

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### **Abstract:**

Chemical composition of the essential oil of *Artemisia vulgaris* was reported for first time from West Azerbaijan, Iran. Areal parts of wild *A. vulgaris* were collected and then dried in the open air on laboratory bench for seven days and kept fresh for extraction. The essential oil has been extracted by hydrodistillation method using Clevenger type apparatus. Essential oil yield of *A. vulgaris* was 1.4% and in this research, its components were investigated by GC-MS analysis. Sixty four components (98.98% of total composition) were identified. Alpha-pinen (23.56%), Menthol (9.71%) and beta-eudesmol (8.297%), Spathulenol (4.582%). were found to be the major constituents of the oil.