

## عنوان مقاله:

Chemical composition of the essential oil of *Satureja hortensis* of Jebalbarez heights from Iran

## محل انتشار:

دومین همایش ملی پژوهش های کاربردی در علوم شیمی، زیست شناسی و زمین شناسی (سال: 1393)

تعداد صفحات اصل مقاله: 4

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## خلاصه مقاله:

The chemical composition of the hydro distilled essential oil of the air dried aerial parts of *Satureja hortensis* growing wild in Iran was obtained by hydro distillation and was analyzed by gas chromatography (GC) and gas chromatography-mass spectrometry (GC-MS). Hydro distilled aerial parts of *S.hortensis* yielded 1.1% (w/w) of essential oil. 24 constituents representing 100% of total oil have been identified. The main constituents of the oil were found to thymol(44.30%), carvacrol(16.37%), gama-terpinene(15.28%)andalpha-terpinene(7.38%).Other representative compounds were identified as p-cymene (2.37%), 1, 8- cineole(1.93%),  $\beta$ -myrcene (1.86%),  $\alpha$ -(phellandrene (1.62%) and  $\gamma$ -cadinene (1.22%

## کلمات کلیدی:

*Satureja hortensis*; essential oil; GC-MS analysis

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/452382>

