

## Comparative investigation of *Origanum vulgare* L. and *Origanum onites* L. chemical composition of biologically active substances and anatomo-diagnostic signs

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### Abstract

The chemical composition of essential oil, water and alcoholic extracts from *Origanum vulgare* L. herb, growing in Moscow region, and *Origanum onites* herb, growing in south-eastern part of Turkey, was studied. The content and the refractive indices of essential oil were quantified, the dominant component was identified, it became thymol. The presence of flavonoids was confirmed in alcohol extraction, tannins belonging to condensed group were found in water extraction. The quantitative content of tannins and ascorbic acid was defined. A scheme for integrated processing of oregano herb was developed, and the suggestion to introduce the cultivation of Turkish oregano (*Origanum onites* L.) in Russia was put forward.