

## عنوان مقاله:

Total Flavonoids Contents and Anti Bacterial Activity of the Extracts of two Labiateae Species: *Nepeta menthoides* and *Thymus trautvetteri*

## محل انتشار:

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## خلاصه مقاله:

Total flavonoids contents and antibacterial activity of the extracts from the aerial parts of two Labiateae species, *Nepeta menthoides* Boiss. & Buhse and *Thymus trautvetteri* Klokov & Desj.-Shost. were determined. Quantitative determination of flavonoid contents was calculated in terms of quercetin equivalent in various extracts (50% methanol, chloroform and distilled water) by  $AlCl_3$  colorimetric method. It was found that total flavonoids contents of *N. menthoides* extracts in different solvents were (2.308%, 0.884% and 0.710%) mg/g and (2.076%, 1.468% and 1.412%) mg/g for *T. trautvetteri* respectively. Antibacterial activity of the extracts was also determined against 6 gr (+/-) bacteria by disc diffusion method. The results showed that 50% methanol extracts of two species displayed better inhibitor activity against the tested bacteria. The bacteria *Staphylococcus epidermidis*, *Staphylococcus saprophyticus* and *Staphylococcus aureus* were sensitive against 50% methanol extract of *N. menthoides* even more than the standard antibiotics (10µg). Therefore a good correlation between total flavonoids contents and antibacterial activity of the studied extracts is demonstrated.

## کلمات کلیدی:

*Nepeta menthoides*, *Thymus trautvetteri*, Flavonoids contents, Antibacterial activity

## لینک ثابت مقاله در پایگاه سیویلیکا:

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