

## عنوان مقاله:

Total phenolic and flavonoid contents of methanolic extract from leaves of a native plant from Marivan

## محل انتشار:

دومین کنفرانس بین المللی گیاهان دارویی، کشاورزی ارگانیک، مواد طبیعی و دارویی (سال: 1397)

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## خلاصه مقاله:

The genus *Prunus mahaleb*, a wild member of the Rosaceae family, is a tree native to the Mediterranean area. The plant is robust and insensitive to diseases and is used as a stock in the grafting of cherry and marasca. Phenolic compounds including flavonoids and phenolic acids are plants secondary metabolites. Due to their ability to act as antioxidant agents, there is a growing interest to use those components in traditional medicine for cancer prevention or treatment. This plant was collected in August 2017 from southeast of Marivan. Methanolic extract was performed with a soxhlet apparatus. The sample was measured for total phenolic content colorimetrically using the Folin-Ciocalteu method and for total flavonoid content using the modified aluminum colorimetric method. The TPC value of the sample was 101.97  $\mu\text{g}$  gallic acid equivalent/mg extract and the TFC value was 42.07  $\mu\text{g}$  quercetin equivalent/mg.

.These results showed the good antioxidant capacity for *Prunus mahaleb*

## کلمات کلیدی:

*Prunus mahaleb*, Methanolic extract, Total phenolic, Total flavonoid, Gallic acid, Quercetin

## لینک ثابت مقاله در پایگاه سیویلیکا:

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