

عنوان مقاله:

Investigation of Leaf Flavonoids of Reseda (Tourn.) et L. (Resedaceae) Members in Markazi Province, Iran

محل انتشار:

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خلاصه مقاله:

Reseda (Tourn.) et L. is a genus in Resedaceae family with ۱۵۳ species and subspecies in the world and ۱۴ species in Iran. Some flavonoid compounds have been reported from the Reseda genus. Flavonoids are as one set of the polyphenolic compounds among secondary metabolites in different organs of plants that are used in plant chemotaxonomy. They have basic role in pollination and life cycle of anthmophyllus plants and also their spreading abroad and survival. Phytochemical studies on ۱۰ collected Reseda populations of ۳ species (*R. lutea* L., *R. bungei* Boiss. and *R. buhseana* Mull-Arg.) from different parts of Markazi Province, Iran area were done using ۲-dimensional paper chromatography (۲-DPC) and thin layer chromatography (TLC). Voucher specimens of each population were prepared for reference as herbarium vouchers. Results showed all of populations contain flavonoid sulphates and flavone C and C-/O-glycosides. All of studied *R. lutea* populations had kaempferol and quercetin. While both myricetin and luteolin were found in *R. buhseana* and *R. bungei* species, where as *R. lutea* lack

کلمات کلیدی:

Reseda, Resedaceae, Flavonoids, chromatography

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