عنوان مقاله:

Identification of flavonoid compounds of hydromethanolic, hydroethanolic and ethyl acetate extracts of Crocus caspius Fisch C.A.May

محل انتشار:

ششمین کنگره ملی تحقیقات راهبردی درشیمی و مهندسی شیمی با تاکید بر فناوری های بومی ایران (سال: 1398)

تعداد صفحات اصل مقاله: 3

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خلاصه مقاله:

Plants are a potential source of bioactive compounds that are present in the formation of secondary metabolites in different organs. Across secondary metabolites, phenolic and flavonoid compounds are natural antioxidants that are commonly distributed in plants. These compounds are in a different of fruits e.g., apples, berries, grapes, oranges, vegetables e.g., yellow onions, parsley, red peppers, etc Caspian saffron, Crocus caspius Fisch C.A.May is an endemic perennial plant belongs to family Iridaceae with white flowers. C. caspius flowers were extracted with three different solvents of hydromethanolic, hydroethanolic and ethyl acetate by the ultrasonic method. then it was carried out to inject the extraction to HPLC for identification flavonoid compounds. For statistical analysis was used of SAS software It is shown that among the four standard compounds injected into HPLC, rutin (0.933 mg/g DW) and quercetin (0.018 mg/g DW, respectively) formed the most components of the hydroethanol extract.

کلمات کلیدی:

Caspian saffron, Phenolic, Quercetin, Rutin, Secondary metabolites