

عنوان مقاله:

The Effect of two Medicinal Plants Extracts on Rat Serum

محل انتشار:

سومین کنفرانس بین المللی پژوهش در مهندسی، علوم و تکنولوژی (سال: 1395)

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خلاصه مقاله:

It is estimated that there are 500,000 species of plants on Earth. Relatively small percentages of these are used as foods by both humans and other animalspecies. Medicinal plants used in traditional medicine to treat various diseasesare growing in our country, but the effects of biological active compound theseplants are still unknown on human health. Crocus sativus and PortulacaOleracea are widely used in Iran as herbal medicine. This study was performedto evaluate the effects of ethanol extraction of Crocus sativus and PortulacaOleracea on the LDH and CK . Fifty Sprague- Dawley rats were allocated to fiveequal groups. The animals in groups 1 and 2 received Crocus sativus extract andthe rats of the third and fourth group received Portulaca Oleracea extract. Therats in group 5, as the untreated group received ordinary diet . The results of thisstudy indicate that Portulaca Oleracea extract was able to increase the LDH levelin group 3 and 4 compared with the control group. The highest increase in theLDH level was observed in the group 4 that receiving the lower dose of thePortulaca Oleracea extract. This increase was significant when compare to thegroup 2 The increase of serum LDH level could be indicative of a chronic necrosisin the liver. The high level of serum CK was observed in rats receiving the highdose of Crocus sativus and low dose of Portulaca Oleracea, but exhibited nostatically significant difference compared with control ($P>0.05$).

کلمات کلیدی:

Creatin kinase, Lactate dehydrogenase, Crocus sativus, Portulaca Oleracea, Rats

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