

## عنوان مقاله:

Anti-diabetic effects of hydroalcoholic extract of mango leaves on induced diabetic mouse

## محل انتشار:

اولین کنفرانس بین المللی یافته های نوین در بیوتکنولوژی (سال: 1396)

تعداد صفحات اصل مقاله: 5

## نویسنده:

Fariborz Soheili - Department of Marine Biology, Faculty of science, Chabahar Maritime University

## خلاصه مقاله:

Mangifera indica (Mango) leaves have hypoglycemic and antioxidative effects and have been consumed for cure of diabetes in tradition medicine by south of Iran population. This study was done to evaluate the antidiabetic properties of Mangifera indica leaves extract on induced Diabetes in mice by using streptozotocin (STZ). Diabetes was induced in male mice by intraperitoneal injection of STZ. In this study adult male NMRI mice randomly distributed into 5 groups (n=8) including control, type-2 diabetic mice, diabetic mice that received an anti-diabetic drug metformin (200 mg/kg and the remaining two groups diabetic were treated with 200 and 400 mg/kg M. indica leave extract, respectively, for 30 days. Then insulin and glucose levels of blood were evaluated. Induction of diabetes decreased the level of insulin while it increased the level of glucose. Administration of both doses of the extract significantly decreased the level of, glucose and in diabetic mice ( $p < 0.05$ ). Insulin levels increased in animals treated with both doses (200  $p < 0.05$  and 400 mg/kg  $p < 0.01$ ) The results showed that Mangifera indica (Mango) leaves extract has an anti-diabetic affect through its decreased the level of glucose and increase of insulin level properties. Therefore, this extract may be .valuable in thecure of diabetes

## کلمات کلیدی:

Anti-diabetic, Mangifera indica, hydroalcoholic extract

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/633055>

