Study the effect of bitter apple and garden cress on diabetic rats

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Work was conducted to study the health effects of Bitter Apple and Garden Cress on serum glucose and side effects of diabetes mellitus in alloxan injected rats. Twenty mature male albino rats weighing 130-200 g each divided into 4 groups (5 rats each) one kept as control (-) group while other 3 groups injected with alloxan. Bitter Apple and Garden Cress added at 7.5% to the basal diet given single. Serum liver enzymes (ALT, AST, ALP), serum protein fractions (T.P, Alb, LDL and VLDL), serum creatinine, urea, uric acid, serum glucose as well as body weight gain (BWG), feed intake (FI) and feed efficiency ratio (FER) were recorded. The feeding trial continued for 28 days. The obtained results revealed that Bitter Apple and Garden Cress used were of value for amelioration of diabetes mellitus and its side effects showed best results.

Biography

Mai Mahmoued has completed her PhD at the age of 29 years from Minoufiya University and postdoctoral studies from faculty of home economics department of nutrition & food science. She has Participated in the conference Prague, Czech Republic, under the title 15th International Nutrition & Diagnostics Conference, held on October 5-8, 2015 at DAP Hotel.

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