



Effects of different levels of paprika powder on some hematological and serum biochemical parameters of benni fish (*Mesopotamichthys sharpeyi*)

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Abstract

This study was conducted to evaluate the effect of paprika powder on some hematological and serum biochemical indicators of benni fish in the form of a completely randomized design including 0, 0.5%, 1%, 2%, and 3% levels in 5 treatments. After 56 days of feeding the fish, sampling was performed and Haematological parameters including: Hemoglobin (Hb), Hematocrit(Hct), Red Blood Cell Count (RBC and serum biochemical parameters including: Protein, Albumin, Globulin and A/G were performed according to standard methods. The results of this study showed that the use of paprika powder in the diet improves the increase in Hb, Ht and RBC compared to the control group. serum biochemical parameters, including Protein and Albumin, were also significantly increased in treatments containing paprika powder compared to the control group. The results of this study had shown that adding paprika powder to the diet of benni fish with a level of 3% in order to improve hematological indicators and serum biochemical parameters in these fish is recommended.

Keywords: Dietary Supplements, Medicinal Plants, Hematological parameters, Paprika, Benni fish