

## عنوان مقاله:

Effects of Natural (Red Bell Pepper & Tomato) and Synthetic (Astaxanthin &  $\hat{A}$ -Carotene) Pigments on Flower Horn Fish (Cichlasoma Sp.) Blood Parameters

## محل انتشار:

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## خلاصه مقاله:

Objective: In this survey, we have checked the effects of natural (red bell pepper and tomato) and synthetic (astaxanthin and  $\hat{a}$ -carotene) pigments on bloods factors of Flower horn (Cichlasoma sp.). Methods: Five treatments (three replicates/treatment) were employed. Fishes were separated in fifteen equal groups and were fed for eight weeks with diets containing 10 g kg<sup>-1</sup> red bell pepper and tomato and 100 mg kg<sup>-1</sup> astaxanthin and  $\hat{a}$ -carotene. At the end of trial blood samples were taken from 5 fish that caught randomize by cutting the caudal stem. Results: Results of blood factors showed there is significant differences between WBCs, RBCs, Hb, HCT and Lymphocytes between treatments ( $p < 0.05$ ). The best result observed in treatment fed with red bell pepper. Between The factors of Monocytes and Neutrophils, there was no significant difference between treatments ( $p > 0.05$ ). The results showed that .the use of red bell pepper in diets for Flower horn is effective and profitable in its ration

## کلمات کلیدی:

Pigment , Blood parameter , Astaxanthin ,  $\hat{a}$ -carotene , Flower horn fish

## لینک ثابت مقاله در پایگاه سیویلیکا:

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