

## Study on the Effect of Vitamin D on the Biochemical Parameters in *Cyprinus carpio*

**Authors :** Mojdeh Chelemal Dezfoul Nejad, Ali Mohammadzadeh Shobeagar, Mehrzad Mesbah

**Abstract :** This study was conducted in order to characterize the different levels of dietary vitamin D on some of biochemical parameters of *Cyprinus carpio*. For this purpose, 180 pieces of *Cyprinus carpio* with an average weight of 20-25 grams were divided into four treatments and each treatment was divided into three replications and treatments were fed at three different doses (1000 IU, 3000 IU, 5000 IU) of vitamin D for 60 days. The fish were fed 3% of their wet b.wt. per day for a 60 days period. Blood samples were obtained from six fish of each tank at the end of experiment. Based on the results significant difference was observed on the mean amount of total protein, urea, glucose and cholesterol between treatments ( $p < 0.05$ ). But, there was no significant difference in the mean amount of triglyceride and albumin with the different diets designed for this experiment ( $p > 0.05$ ).

**Keywords :** *Cyprinus carpio*, vitamin D, biochemical parameters, glucose

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