



## **Biochemical and Hematological Parameters in the Fresh Water Fish, *Cyprinus carpio* (LINNAEUS, 1758) of Lake Shkodra (Albania)<sup>#</sup>**

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**Abstract:** This paper presented biochemical and hematological profile of *Cyprinus Carpio* (Linnaeus 1758), which is a fresh waterfish that belongs to Cyprinidae. Cyprinids are highly important food fish. Biochemical parameters determined were total proteins (TP) cholesterol (CHOL), glucose (GLU), blood urea nitrogen (BUN), creatinine (CR) triglyceride (TRIG), aspartat aminotransferasa (AST), alaninamino transferaza (ALT). Hematological parameters determined in blood were RBC<sub>C</sub>, Hb, Hct, MCV, MCH, and MCHC, WBC, lymphocytes, monocytes, granulocytes. The average values of biochemical and hematological parameters have resulted with probability  $p < 0.05$ . The correlation coefficients between biochemical and hematological parameters are determined. In addition, measurement serum biochemical parameters can be used for monitoring any changes in the quality of waters and related soil in the Shkodra lake.

**Keyword:** *cyprinus carpio, biochemical parameter, hematological parameters.*

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