

ASCORBIC ACID INDUCED CHANGES IN SOME BIOCHEMICAL CONSTITUENTS OF A FRESHWATER FISH

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ABSTRACT – Effects of ascorbic acid on the specific activity of catalase (CAT) and lactate dehydrogease (LDH) and some macromolecules contents (DNA, RNA, protein) in brain, liver, gill and skeletal muscle of *Heteropneustes fossilis* were studied. Ascorbic acid produced approximately 1.3-2.4 fold increase in the specific activity of CAT and LDH. Similarly, DNA, RNA and protein content increased upto 2 fold in different tissues of the freshwater catfish. This reflects ascorbic acid – induced increase in anabolic activity of the fish.

Keywords : Ascorbic acid, CAT, LDH, RNA, DNA, protein, fish.