HISTOPATHOLOGICAL EXAMINATION OF THE GILL, LIVER, KIDNEY, STOMACH, INTESTINE, TESTIS AND OVARY OF CLARIAS. BATRACHUS LINN. DURING THE FEEDING ON DIFFERENT FORMULATED FEEDS

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(Accepted 6 September 2010)

ABSTRACT – Indian fresh water catfish, Clarias batrachus was subjected to 91 days feeding of sub-lethal concentration of eight formulated plant and animal pelleted diets viz., Phyllanthus niruri Hook.F. Linn., Asparagus adscendens Roxb., Pseudarthria vesida Linn., Moringa oleifera Lam., Tribulus alatus Delile and Tribulus terrestris Linn., and animal feed/meal prepared through dried Shrimp and dried powder of grasshopper, Poekilocerus pictus Fabr. to observe the histopathological changes in the gill, liver, kidney, stomach, intestine, testis and ovary. There were no noticeable change in the histological structure except a little shrinkage in gills of test fish after 91 days exposure to dried Grasshopper feed. However, the rest seven diets showed very well structural organization in all the sectioned organs examined in comparison to control.

Key words : Catfish, Clarias batrachus, eight formulated plant and animal pelleted diets, histopathological changes.