

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

Reeta Johri, Rakhi Singh and P.K. Johri

Department of Zoology, D.A.V. College, Kanpur - 208 001, India

e mail : kumar\_pee@yahoo.com

(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, *Poeciloceris 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 batracus*, eight formulated plant and animal pelleted diets, histopathological changes.