

ABSTRACT

The main object of the present study was to find the effect of cadmium on immune system and histology of kidney, liver and spleen of *Labeo rohita*. The fish was exposed to cadmium and was given primary injection of antigen to the group while the other group was exposed to cadmium along with booster injection of antigen. By direct agglutination test, the antibody titer was found to be decreased after cadmium exposure. Histopathological changes included necrosis, cirrhosis, tissue degeneration, shrinkage of tubules, and expansion of melanomacrophage centers. Pyroninophilic cells also decreased after cadmium exposure.