

RESEARCH ARTICLE

Histopathological changes in the gill of *Labeo rohita* (Hamilton) exposed to cypermethrin

RAKESH PRAJAPATI AND MOHINI GANDHIA

Author for Correspondence -

RAKESH PRAJAPATI

Department of Aquatic Biology, Veer
Narmad South Gujarat University,
SURAT (GUJARAT) INDIA

Email: rcprajapati308@gmail.com

See end of the article for **Coopted
authors'**

ABSTRACT..... Cypermethrin is a widely used selective pesticide. Due persistent character, it is present in the surface waters, contaminating non-target organisms including fish. In the present study, fingerlings of *Labeo rohita* were exposed to a sublethal concentration (0.03 ppm) of Cypermethrin upto eight days of exposure. The histopathological changes in the gill tissue like mucus secretion, fusion of secondary gill lamellae, damage in central cord, lamellar aneurism, vacuolization, were noticed.

KEY WORDS..... Histopathological changes, Gill, Cypermethrin

HOW TO CITE THIS ARTICLE - Prajapati, Rakesh and Gandhia, Mohini (2014). Histopathological changes in the gill of *Labeo rohita* (Hamilton) exposed to cypermethrin. *Asian J. Animal Sci.*, 9(1) : 88-91.

ARTICLE CHRONICLE - Received : 20.02.2014; Revised : 20.04.2014; Accepted : 01.05.2014