



Abstract

Aquatic ecosystem is getting polluted through human activities such as depleting of sewage, dumping of residential squanders and recreational exercises. Various kinds of effluents release in river water from industries which dissolve in water and enter to canals and lakes which exhibit growth inhibition in fishes and the incorporation of heavy metals in fish species is a disturbing circumstance for the health of humans. In selected fish species from the main angling spots of Punjab, levels of metal concentration and removal of heavy metals through orange peel method were investigated. This study was aimed to estimate the levels of heavy metal concentrations and to remove the heavy metals from the digested fish samples. 11 fish samples of three species (*Labeo rohita*, *Cyprinus carpio* and *Wallago atto*) were collected from Jinnah barrage, Chashma barrage, Rasul barrage and Qadirabad barrage. In 8 fish samples the concentration of heavy metals were found correct but 3 fish samples had higher level of concentration according to the WHO and FAO. 2 samples were selected for the successful removal of heavy metals by orange-peel method.