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Level of heavy metals Cu, Cr, Pb and Zn in alien fish species, *Cyprinus carpio* from the Gomti river at Sultanpur, India

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Now-a-days, bioaccumulation of toxic metals in aquatic animals causes serious threats to the human health when they are consumed. This study was carried out to assess the concentration of various heavy metals and their distribution in organ of *Cyprinus carpio* from the Gomti river at Sultanpur, Uttar Pradesh during 2011-2012. The heavy metals copper (Cu), chromium (Cr), lead (Pb) and zinc (Zn) were determined in liver, gill and muscle using atomic absorption spectrophotometer. The analysis of heavy metals was measured with order, in liver Pb > Cr > Cu > Zn, in gill Pb >Cr> Zn > Cu and in muscle Zn > Cr > Pb> Cu. Maximum level of heavy metals were observed in liver compared to gill and muscle. The presence of heavy metal in our environment has been of great concern because of their toxicity when their concentrations are more than the permissible level.

Key words : Metal accumulation, *Cyprinus carpio*, Gomti river, Muscle, Gill, Liver

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