

عنوان مقاله:

Lead contamination in fishes of the Kor River

محل انتشار:

مجله علوم شیلات ایران، دوره 7، شماره 3 (سال: 1386)

تعداد صفحات اصل مقاله: 13

نویسندگان:

M. Ebrahimi

M. Taherianfard

M.M. Rafiee

خلاصه مقاله:

Lead concentration in muscle, liver, kidney, brain and gonad tissues of two cyprinid fishes, *Cyprinus carpio* and *Copoeta* spp., from three sections of the upper, middle and lower parts of the Kor River was evaluated in ۲۰۰۶. Totally ۲۲۵ specimens were caught for this purpose (۷۵ specimens from each zone). Tissue samples were digested in acid and their lead concentrations were assayed by ICP method. Statistical analysis of data showed significantly ($p < 0.05$) higher concentrations of lead in the mid zone than the two other zones. No significant differences ($p > 0.05$) were seen between sexes and species. The same pattern of contamination was also observed in water and sediment samples from three sampling zones. The maximum amount of lead measured in this study (۱.۸۵mg/kg), was, however, less than the maximum allowance in fish tissues by European union:

کلمات کلیدی:

Lead, Fish, Contamination, Kor River, Fars Province, Iran

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