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CONCENTRATIONS OF CHROMIUM, CADMIUM AND NICKEL IN TWO CONSUMED FISH SPECIES OF PERSIAN GULF, IRAN

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Abstract

In this study heavy metal (Cr, Cd and Ni) levels in muscle tissues of pelagic and benthic fish species in Persian Gulf from western and eastern sides of Bandar Abbas were determined. In western side, the mean concentrations of Cr, Cd and Ni in *Aldrichetta forsteri* species were 0.57, 0.33, and 0.12 mg/kg dry weight, while in *Pomadasys kaadan* species were 0.08, 2.18, and 1.39 mg/kg dry weight, respectively. In eastern side, the concentrations in *Aldrichetta forsteri* species were 0.26, 0.10, and 0.04 mg/kg dry weight, while in *Pomadasys kaadan* species were 0.02, 0.27, and 0.15 mg/kg dry weight, respectively. The concentrations of analyzed metals in fish muscles were found to be under the permissible limits.

Keywords: Bandar Abbas, fish, heavy metal

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