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Heavy metal concentrations in different tissues of marine benthic crab *Metapograpsus messor* inhabiting mangrove, north Kosseir, Hurghada, Red Sea

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Marine benthic crab proved a success in heavy metal detoxification and accumulation at its tissues. The present work investigates accumulation of lead, copper, zinc and cadmium in gills, carapace and hepatopancreas of the marine crab *Metapograpsus messor* inhabiting mangrove area at Kosseir, Hurghada, Red Sea. Heavy metal analysis was performed on atomic absorption with special cathode lamb for each metal. Metal bioaccumulation in hepatopancreas was higher than gills followed by carapace. Based on bioconcentration factor, heavy metal bioaccumulation at examined crab tissues was ranked as follows; Cu>Zn> Pb>Cd. The results were discussed to highlight the route of entry of heavy metals into crab tissues and to evaluate the efficiency of *Metapograpsus messor* as biomonitor for heavy metal pollution in mangrove habitat at Kosseir, Red Sea.

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