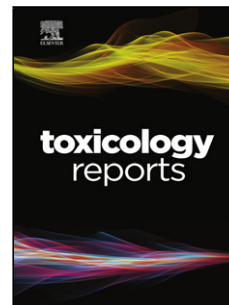


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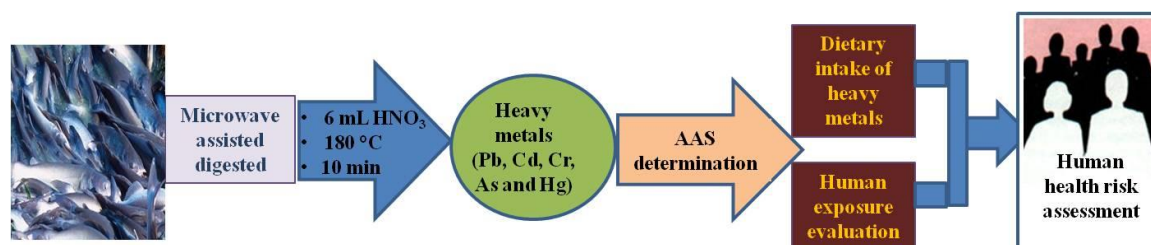
## Dietary intake of heavy metals from eight highly consumed species of cultured fish and possible human health risk implications in Bangladesh

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Graphical abstract;



### Highlights

- The concentration of heavy metals in the highly consumed cultured fish samples were determined using AAS
- The human health risk assessments were evaluated from the daily uptake of heavy metals through the consumption of fish
- The estimation of carcinogenic risk of arsenic due to the consumption of fish indicates that consumers remain at risk of cancer

### Abstract

Concentrations of five heavy metals (Pb, Cd, Cr, As and Hg) in eight highly consumed cultured fish species (*Labeo rohita*, *Clarias gariepinus*, *Hypophthalmichthys molitrix*, *Cyprinus capio*, *Puntius sarana*, *Oreochromis mossambicus*, *Pangasius pangasius* and *Anabas testudineus*) collected from four wholesale markets of Dhaka city, Bangladesh (Karwan Bazar, Mohammadpur Town Hall, Newmarket and Mirpur-1) were measured using atomic absorption spectrometry (AAS) in order to evaluate the potential human health risks from the

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