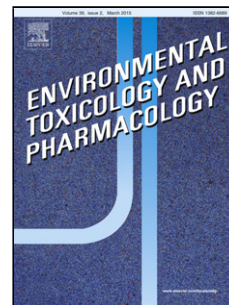


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Acute toxicity, uptake, and elimination of zinc oxide nanoparticles (ZnO NPs) using saltwater microcrustacean, *Artemia franciscana*

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Highlights

- This study conducted in line with the ISO/TS 20787:2017.
- *Artemia nauplius* is a useful model for studying the toxicity of NMs in saltwater ecosystems.
- The acute toxicity of ZnO NPs in *Artemia nauplii* appears after 96 hours.
- The ZnO NPs appeared inside the gut of live nauplii after 96 h exposure.
- ZnO NPs accumulation /elimination of in/from the body of *Artemia nauplii* were time and concentration dependent.

Abstract

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