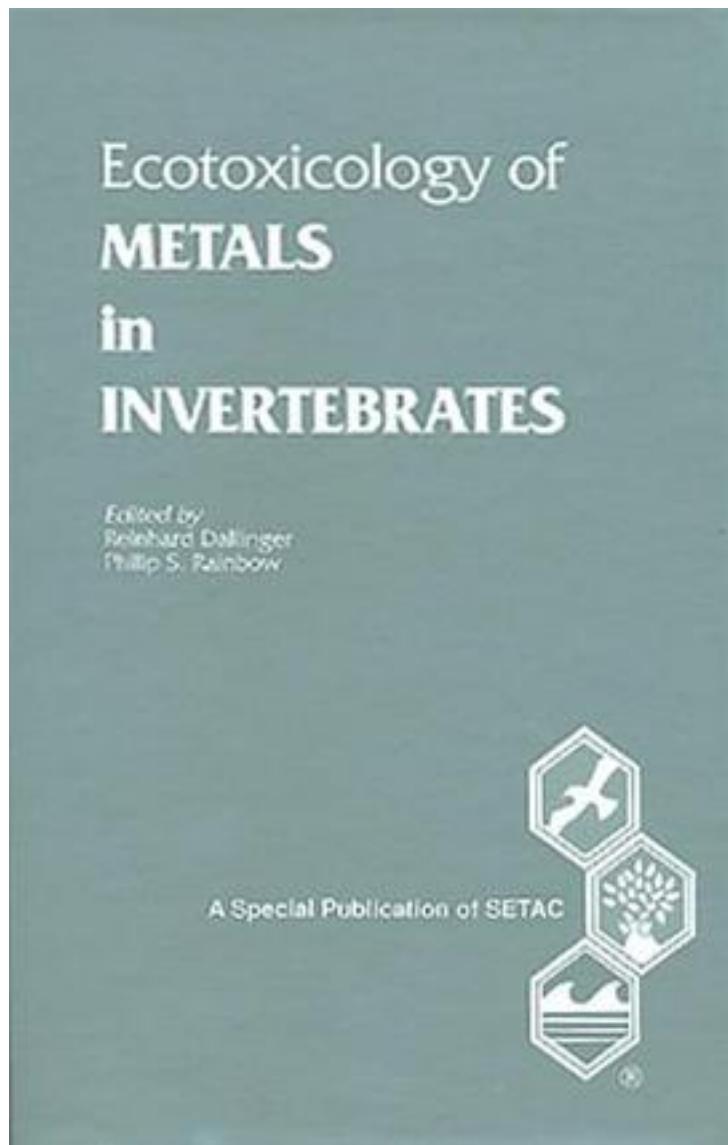


Ecotoxicology of Metals in Invertebrates



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"Ecotoxicology of Metals in Invertebrates" reviews the state of the art in research concerning metal exposure of marine, freshwater, and terrestrial invertebrates. The book focuses on the uptake and accumulation of essential and non-essential trace metals by invertebrates, metal detoxification and involved mechanisms, adaptations to metal stress, metal regulation and elimination, distribution and speciation of metals in different organs and tissues, and interaction of metals with biotic and abiotic factors. Toxicological studies involve histopathological, electron microscopic, physiological, and biochemical methods. The book emphasizes the ecological and ecotoxicological implications that can be derived from metal exposure of invertebrates in the field. The significance of background concentrations, the evaluation of critical concentrations, and the establishment of environmental quality criteria are discussed as well. "Ecotoxicology of Metals in Invertebrates" is an excellent reference for ecologists, ecotoxicologists, environmental scientists, ecophysicists, and students.

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