

Bioaccumulation – Subcellular fractionation – Toxic effects of Cu in the zebra mussel

Topics: Ecotoxicology; Water Science

Objective: Assess the relationship between bioaccumulation – subcellular partitioning – toxic effects of Cu

Starting: June 2017

Degree: Bachelor/Master

Context: Besides bioaccumulation, subcellular partitioning plays an important role in determining metal toxicity because of the capacity of organisms to detoxify metals. Therefore, it is important to assess the whole chain from accumulation, subcellular partitioning to toxic effects.

Responsibilities: Determination of Cu concentration in different subcellular fractions.

Questions: Can Cu toxicity be explained by the concentration of Cu in the metal-sensitive fraction?

Where: Aquatic Ecology

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