

•	RA8510-1499
•	(III)
•	The Relationship between Heavy Metal Speciation in the Sediment and Accumulation in Benthic Organisms. (III)
•	• NSC84-2621-B038-001
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•	Han, Bor-Cheng
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•	Heavy metal Benthos Sediment Bioavailability Rock-shells clam
•	(<i>Thais clavigea</i>) Cu,Zn,As () Cu,Zn As , Cu,Zn As Cu,Zn,As 1.58,1.38 1.34 Cu,Zn,As 1.92,1.18 1.11
•	The levels of three trace metals (Cu, Zn and As) in the whole soft body of the rock-shells clam (<i>Thais clavigera</i>) were evaluated from Putai coastal area of Taiwan. The relationships between the contents and concentrations of these metals and body size (weight and length) were discussed. Double logarithmic plots of metal contents and concentrations against dry-body weight and shell length, respectively, show straight-line relationships. The results indicated that larger individuals have higher contents of Cu, Zn and As. Plots of metal contents against dry-body weight indicated that Cu, Zn and As have slop of 1.58, 1.38 and 1.34, respectively. In addition, metal concentrations against shell length for all animal sizes indicated also that Cu, Zn, and As have slop of 1.92, 1.18 and 1.11, respectively.