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• 中文關鍵字	水產食品；重金屬；安全衛生；每日攝取安全容許量		
• 英文關鍵字	Aquatic Products；Heavy Metals；Safety and Hygiene；Acceptable Daily Intake		
• 中文摘要	樣品數 324 件進行金屬濃度分析，貝類含金屬濃度皆為最高，其次為頭足類及魚類。牡蠣金屬濃度分布，香山牡蠣鎘、鉛、銅濃度皆為最高，鎘(0.35 ppm)、鉛(0.34 ppm)、銅(556 ppm)，而 Zn (449 ppm)則以彰化地區為最高。漁民及一般民眾之每日水產食品攝取量及金屬濃度，推算每日金屬暴露量，漁民所攝入的 Cd、Pb、Cu 及 Zn 量依序約為 0.485、0.291、78.15 及 292.9 µg/day/person；一般民眾則為 0.04、0.111、26.8 及 111.7 µg/day/person，不論漁民或一般民眾，皆在每日安全建議攝取量之內。一般民眾、漁民之每日攝取量及沿海牡蠣濃度，推算金屬的總標的危害商數值，新竹漁民(THQ = 6.8)、新竹一般民眾(THQ = 3.97)及彰化漁民(THQ = 1.76)的總標的危害商數超過 1，此族群須減少牡蠣攝取量，才可降低暴露的風險。其他縣市總 THQ 均在安全範圍內。計算魚、貝類攝取量，一般民眾或漁民，其危害商數皆在安全範圍內即 THQ < 1。牡蠣泡水十天，發現其體內銅、鋅濃度會隨天數增加而下降，牡蠣泡水 24 小時)體內銅、鋅濃度會隨時數增加而下降，水中濃度隨時數增加而增加。牡蠣泡水 16 小時，(換水、不換水)同時進行，發現牡蠣體內含銅及鋅濃度隨時數的增加而下降，水中含銅及鋅濃度隨換水而有上升後下降之趨勢、若不換水則隨時數的增加而增加。		
• 英文摘要	The analyzing of the metal concentration of aquatic product sampled (n=324) from different fish markets around Taiwan , we found that shellfish contains higher concentration of copper , zinc , lead and cadmium than that of cephalopod and fish . Metals concentration (mean) of oyster collected from the west coast , found that the oyster from Xing Chu (Xiand San) contains higher concentration of cadmium (0.35ppm) , lead (0.34ppm) , copper (556ppm) . The higher concentration of zinc (449ppm) is location at (Zhang Hua) .		

According to the concentration (mean) of metal in oyster , the daily intake from the two population ,the Target Hazard Quotients were calculated . We found that the Total THQ by fisherman is 6.8 , general population is 3.97 from Xing Chu and the fisherman is 1.76 from Zhang Hua are larger than 1 . So people should decrease the amount of oyster intake . On the other hand , the THQ of the two population at Yun Lin , Jia Yi , Tainan city and around Tainan are below he safety range , same with fish and shellfish . Soaking oyster into water for 10 days , found that the concentration of the copper , zinc in oyster body decreasing follows time goes on , after soaking , the concentration of copper and zinc dilute in the water will increase by dates.