

# **WEN-XIONG WANG**

## **Present position**

Associate Professor, Department of Biology, HKUST, Hong Kong

## **Education**

Ph.D. Coastal Oceanography. State University of New York at Stony Brook, USA, 1996.

MSc. Marine Biology. Xiamen University, China, 1987.

BSc. Marine Biology. Xiamen University, China, 1984.

## **Previous positions**

Assistant Professor, Department of Biology, HKUST. 1997-2003.

Postdoctoral Research Associate. SUNY at Stony Brook, NY, USA, 1996 – 1997.

Visiting Researcher. Plymouth Marine Laboratory (PML), UK, 1989 – 1991.

## **Research Interests**

(1) Metal biogeochemistry and ecotoxicology; (2) Marine pollution; (3) Physiological ecology.

## **Fellowships/Scholarships, Awards**

2003. Biwako Prize for Ecology, Japan (for academically and socially significant achievements in ecological studies).

2002. Oversea Distinguished Young Scientist Award, Natural Science Foundation of China.

1992 - 1996. Sea Grant Scholarships, New York Sea Grant Institute, NOAA, USA.

## **Memberships of Professional Societies**

ASLO, SETAC, ESA, AGU.

## **Editorial Boards in International Journals (5)**

*Marine Ecology Progress Series* (MEPS, 2002 -). *Environmental Toxicology and Chemistry* (ET&C, 2003 -). *Environmental Geochemistry and Health* (2003 - , handling editor). *Ecotoxicology and Environmental Safety* (2004 -). *Environmental Pollution* (2005 -).

## **Regular reviewer**

for >39 international journals and many funding agencies (US NSF, NOAA, UK, Switzerland, RGC).

### Ten representative publications (authors of >156 peer reviewed publications)

1. Miao A-J, **Wang W-X**, Juneau P. 2005. Comparison of Cd, Cu, and Zn toxic effects on four marine phytoplankton by PAM fluorometry. *Environmental Toxicology and Chemistry* (in press)
2. **Wang W-X**, Dei RCH, Hong H. 2005. Seasonal study on the Cd, Se, and Zn uptake by natural coastal phytoplankton assemblage. *Environmental Toxicology and Chemistry* 24: 161-169.
3. Chen M, **Wang W-X**, Guo L. 2004. Size distributions of iron in estuarine, coastal, and oceanic waters influenced by dissolved organic carbon. *Global Biogeochemical Cycles* 18, GB4013, doi:10.1029/2003GB002160.
4. Miao AJ, **Wang W-X**. 2004. Relationships between cell specific growth rate and uptake rate of cadmium and zinc by a coastal diatom. *Marine Ecology Progress Series* 275: 103-113.
5. Pan J-F, **Wang W-X**. 2004. Differential uptake of particulate and dissolved organic carbon by the marine mussel *Perna viridis*. *Limnology and Oceanography* 49: 1980-1991.
6. Zhang W, **Wang W-X**. 2004. Production of colloidal organic carbon and trace metal (Cd, Fe, and Zn) by diatom exudation and copepod grazing. *Journal of Experimental Marine Biology and Ecology* 307: 17-34
7. **Wang W-X**, Dei RCH. 2003. Bioavailability of iron complexed with organic colloids to the cyanobacteria *Synechococcus* and *Trichodesmium*. *Aquatic Microbial Ecology* 33: 247-259.
8. Xu Y, **Wang W-X**. 2002. The assimilation of detritus-bound metals by the marine copepod *Acartia spinicauda*. *Limnology and Oceanography* 47: 604-610.
9. **Wang W-X**, Dei RCH, Xu Y. 2001. The responses of Zn assimilation by coastal plankton to macronutrients. *Limnology and Oceanography* 46: 1524-1534.
10. Hutchins DA, **Wang W-X**, Schmidt M, Fisher NS. 1999. Double-labeling techniques for trace metal biogeochemical investigations in marine and freshwater plankton communities. *Aquatic Microbial Ecology* 19: 129-138.