

Chunlei Fan, PhD

Courses Taught:

BIO 205: Ecology

BIOL 603: Marine and Aquatic Biology

Research Interests:

Aquatic microbial ecology and biogeochemistry in marine and estuarine environments with the focus on nutrients, eutrophication and Harmful Algal Blooms (HAB). Human impacts and eutrophication: monitoring the eutrophication process and HABs events on the watershed scale by using GIS/remote sensing.

Selected Publications:

1. Fan, C., Glibert, P.M. Lomas, M.W., 2003 Characterization of urease activity in three marine phytoplankton species. *Marine Biology*. 142, 949-958.
2. Fan, C., Glibert, P.M. Burkholder, J.M., 2003. Characterization of the affinity for nitrogen, uptake kinetics, and environmental relationships for *Prorocentrum minimum* in natural blooms and laboratory cultures. *Harmful Algae*, 2, 283-299.
3. Fan, C., Glibert, P.M. 2004 the effects of light on nitrogen and carbon uptake in two natural dinoflagellate blooms. *Harmful Algae*. In Press.
4. CA. Heil, PM. Glibert and C. Fan., 2004. *Prorocentrum minimum* (Pavillard) Schiller - A harmful algal bloom species of growing worldwide importance. *Harmful Algae*. In Press.
5. Glibert, P.M., Magnien, R., Lomas, M.W., Alexander, J., C. Fan, Haramoto, E., Trice, M., Kana, T.M., 2001. Harmful algal blooms in the Chesapeake and coastal Bays of Maryland, USA: Comparison of 1997, 1998, and 1999 events. *Estuaries* 24, 875-883.
6. Emma J. Rochelle-Newall, Thomas R. Fisher, C. Fan and Patricia M. Glibert. (1999) Dynamics of Chromospheric Dissolved Organic Matter and Dissolved Organic Carbon in Experimental Mesocosms. *International Journal*