



**Sharon L. Smith, PhD, MSc**

***Professor, Marine Biology & Fisheries***

**NSF-NIEHS Oceans & Human Health Center Role: Co-Director, Investigator-Toxic HABs**

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### **Education**

- (1967) B.A. The Colorado College, Biology, magna cum laude
- (1969) M.Sc. University of Auckland, II.1., Zoology
- (1975) Ph.D. Duke University, Zoology
- (1975-1978) Postdoctoral Fellow Dalhousie University
- (1989) D.Sc. The Colorado College
- (1993) D.Sc. Southampton College of Long Island University

### **Research Interests**

Ecology of zooplankton, particularly copepods and euphausiids, in highly productive ecosystems and strongly physically forced oceanic environments such as upwelling areas, polar regions and coastal zones. These studies include population dynamics, community structure and spatial distribution of zooplankton in the Bering Sea, East Greenland Sea, Arabian Sea and California Current; feeding ecology of crustacean omnivores in the New York Bight; reproductive biology and life history strategies of copepods in the New York Bight, California Current, Greenland Sea and Arabian Sea.

## Representative Publications

Lane, P., **S.L. Smith**, H.C. Graber, and G.L. Hitchcock. (2003). Mesoscale circulation and the surface distribution of copepods near the south Florida Keys. *Bulletin of Marine Science*, in press.

Ashjian, C., **S.L. Smith**, C.N. Flagg, and N. Idrisi. (2002). Distribution, annual cycle, and vertical migration of acoustically derived biomass in the Arabian Sea during 1994-1995. *Deep-Sea Research II*, 49, 2377-2402.

**Smith, S.L.** (2001). Understanding the Arabian Sea: Reflections. *Deep-Sea Research II*, 48, 1385-1402.

Roman, M., **S. Smith**, K. Wishner, X. Zhang, and M. Gowing. (2000). Mesozooplankton production and grazing in the Arabian Sea. *Deep-Sea Research II*, 47, 1423-1450.

**Smith, S. L.**, M. Roman, I. Prusova, K. Wishner, M. Gowing , L. Codispoti, R. Barber, J. Marra and C. Flagg. (1998). Seasonal response of zooplankton to monsoonal reversals in the Arabian Sea. *Deep-Sea Research II*, 45, 2369-2404.

More Info:

<http://www.rsmas.miami.edu/divs/mbf/people/ssmith.html>