

CAROLINE M. SOLOMON
Biology Department
Gallaudet University
800 Florida Avenue, NE
Washington, DC 20002
Phone: (202) 651-5385
Fax: (202) 651-5521
caroline.solomon@gallaudet.edu

Professional Preparation

Harvard University , Environmental Science and Public Policy	B.A., 1996
University of Washington , Biological Oceanography	M.S., 2000
University of Maryland , Biological Oceanography	Ph.D., 2006

Appointments

Associate Professor , Gallaudet University	8/2007-Present
Adjunct , University of Maryland Center for Env. Science	8/2007-Present
Assistant Professor , Gallaudet University	8/2003-8/2007
Instructor , Gallaudet University	8/2000-8/2003
Research Assistant , University of Maryland Center for Env. Science	1/2001-8/2006
Research Assistant , University of Washington	8/1997-8/2000
Fulbright Fellow , University of Queensland, Australia	7/1996-6/1997

5 Most Recent Publications

Glibert, P.M.... **Solomon, C.M.**.... and others (2008). Ocean urea fertilization for carbon credits poses high ecological risks. *Marine Pollution Bulletin* 56:1049-1056.

Solomon, C.M. and P.M. Glibert (2008). Urease activity in five phytoplankton species. *Aquat Microb Ecol.* 52:149-157.

Solomon, C.M., Glibert P.M., and J.A. Alexander (2007). Measurement of urease activity in natural samples. *Limnol Oceanogr Methods* 5: 280-288

Solomon, C.M. (2006). Regulation of estuarine phytoplankton and bacterial urea uptake and urease activity by environmental factors. PhD Dissertation, University of Maryland, College Park.

Miller, C.A. and P.M. Glibert (1998). Nitrogen excretion by the calanoid copepod *Acartia tonsa*: results of mesocosm experiments. *J Plank Res* 20: 1767-1780

Synergistic Activities

- (1) Member of the Academic Rigor workgroup, which revamped the general studies curriculum into a more integrative curriculum that emphasizes language and critical thinking skills at Gallaudet University. Summer 2007.

- (2) Faculty advisor for *Green Gallaudet*, a recently formed environmental organization that involves students, faculty, staff and alumni. Serve as a liaison between faculty/students and the university administration on “green” efforts on campus. Member of organizing committee for *Focus the Nation* teach-in event in January 2008.
- (3) Initiated and implemented a senior capstone course for biology majors to provide them with an undergraduate research experience prior to graduation.
- (4) Assessment coordinator for the Biology department. Responsible for assessing use of rubrics for lab reports, presentations, and literature reviews, and departmental curriculum.
- (5) Involved with the establishment of a new biology lab research facility at Gallaudet University. Advised architects to ensure the lab design fits the research disciplines involved and visual needs of deaf and hard-of-hearing people.

Collaborators & Other Affiliations

Collaborators: Patricia M. Glibert (University of Maryland), Jackie L. Collier (SUNY-Stony Brook), Byron Crump (University of Maryland)

Graduate and Postdoctoral Advisors: *Doctoral advisor:* Patricia M. Glibert (University of Maryland); *Doctoral Committee:* Bess B. Ward (Princeton University), Diane K. Stoecker (University of Maryland), Jeffrey C. Cornwell (University of Maryland), Jackie L. Collier (SUNY-Stony Brook); *Masters advisor:* Evelyn J. Lessard (University of Washington) *Masters Committee:* Mary Jane Perry (University of Maine), Richard G. Keil (University of Washington)

Thesis Advisor (for undergraduate students): Pia Marie Paulone, Rebecca Lehman, Dean Rousseau, Darla Konkel, Scott Cohen, Erica Wilkins