

## CURRICULUM VITAE

### PERSONAL INFORMATION

**Name:** Grace Kathleen Saba, PhD  
**Position:** Assistant Research Professor  
**Office Address:** Institute of Marine and Coastal Sciences  
Rutgers University  
71 Dudley Rd.  
New Brunswick, NJ 08901  
Office phone: (848) 932-3466; Email: saba@marine.rutgers.edu

### EDUCATION

Aug 2003 – Jan 2010 *PhD* in Marine Science  
College of William & Mary  
Virginia Institute of Marine Science, Department of Biological Sciences

Sept 2000 – June 2002 *B.S.* in Aquatic Biology  
University of California, Santa Barbara

### RESEARCH/PROFESSIONAL EXPERIENCE

Feb 2010 – present Plankton ecology, physiology, biogeochemistry, ocean acidification, and impacts of climate change in the West Antarctic Peninsula. (*RV Laurence M. Gould* cruises and laboratory research as part of the Palmer Long Term Ecological Research program)  
Rutgers University

Aug 2003 – Jan 2010 The Role of Copepods and Heterotrophic Dinoflagellates in the Production of Dissolved Organic Matter and Inorganic Nutrients  
Ph.D. Dissertation Research  
College of William & Mary, Virginia Institute of Marine Science

June 2001 – Dec 2002 1) Dissolved organic carbon composition in marine snow particles (*RV Point Sur* cruise sample collection and post-cruise processing)  
2) Transparent Exopolymer Particle (TEP) excretion by *Calanus pacificus*  
3) Physiology and metabolism of hydrothermal vent clams, mussels, and worms (*RV New Horizon* cruises with data collection and processing)  
4) Bacterial degradation of TEP  
Undergraduate Research  
University of California, Santa Barbara with Drs. Alice Alldredge and Jim Childress

### PUBLICATIONS (Current and in press)

**Saba, G.K.**, Schofield, O., Torres, J.J., Ombres, E.H., and D.K. Steinberg. Increased feeding and nutrient excretion of adult Antarctic krill, *Euphausia superba*, exposed to enhanced carbon dioxide (CO<sub>2</sub>). PLoS ONE: doi:10.1371/journal.pone.0052224.

Schofield, O., Kohut, J., **Saba, G.**, Yi, X., Wilkin, J., and S. Glenn. Ocean observing and prediction. In: Y.Q. Wang, ed., Encyclopedia of Natural Resources. Taylor Francis, New York City (in press).

**Saba, G.K.**, and D.K. Steinberg. 2012. Abundance, composition, and sinking rates of fish fecal pellets in the Santa Barbara Channel. Scientific Reports 2: doi:10.1038/srep00716.



	\$500 VIMS Travel Grant
2005	\$1000 VIMS Equipment Grant
	\$100 VIMS GSA Conference Fund
2003	Virginia Institute of Marine Science/School of Marine Science Funded Fellowship

### EDUCATION AND OUTREACH

2012	Invited speaker for Princeton Harmony Schools science fair, Toddler-Kindergarten
2012	Invited speaker for Stony Brook University outreach program entitled “Polar Climate Change Research: A Workshop for Educators”
2012	Participant in COSEE NOW outreach program “Gear Professional Development Series”
2012	Participant in COSEE NOW outreach program “Science Stories 2012”
2003-2010	Marine Science Day, Virginia Institute of Marine Science (VIMS)

### SYNERGISTIC ACTIVITIES

July 2012-present	Editorial Board Member of <i>Scientific Reports</i> journal
2012	Keynote speaker at the XXXII Scientific Committee on Antarctic Research (SCAR) meeting (Portland, OR)
2012	Invited talk at Ocean Acidification Town Hall Meeting at the XXXII SCAR meeting (Portland, OR)
2011	Invited speaker: Graduate School of Oceanography, University of Rhode Island
2011	Invited speaker: Atmospheric and Ocean Sciences, Princeton University
2010-present	Review proposals for the National Science Foundation
2010-present	Review manuscripts for Geophysical Research Letters, Marine Biology, Limnology & Oceanography, Polar Biology, Functional Ecology, Biogeosciences, Aquatic Microbial Ecology, Biogeochemistry
2010	Co-Chair of “Biological Oceanography General Contributions” session at Ocean Sciences Meeting (Portland, OR)
2005	Invited speaker: Dissolved Organic Matter IN the Ocean (DOMINO) workshop, Virginia Institute of Marine Science

### HONORS AND AWARDS

2005	“Top 50” student presenters from the Estuarine Research Federation (Norfolk)
2004	Craig L. Smith Memorial Educational Scholarship Award
2003, 2005	NSF Graduate Fellowship Honorable Mention
2002	Beatrice M. Sweeney Award
2002	Highest Honors
2002	Distinction in the major
2002	Department of Biological Sciences Senior Honors Research Program, UCSB
2001, 2002	Dean’s Honors