

**Giacomo R. DiTullio**  
**Biology**

**2004 Distinguished Research Award**



Giacomo R. DiTullio received his B.S. from St. Francis Xavier University in 1978, and both his M.S. and Ph.D. from the University of Hawaii in 1985 and 1987, respectively. He was a Post-doctoral Fellow at Harvard University from 1987-88, a Research Associate at Moss Landing Marine Labs from 1989-91, and a Research Assistant Professor at the University of Tennessee from 1991-1994. Since 1995 he has been an Assistant/Associate Professor at the College of Charleston.

His research interest over the past few years has concentrated on several projects involving marine phytoplankton ecology and physiology from the Southern Ocean to the Arctic Ocean. The central focus of his research has been on studying the interactive effects of iron concentration and other physical-chemical factors (i.e., carbon dioxide, light, temperature, nutrients) on phytoplankton species composition and the biogeochemical cycling of carbon, iron and sulfur. The interaction between the iron and sulfur cycles will have a profound effect on the carbon cycle. Modeling of these nutrient cycles is of great interest with respect to the projected impact that phytoplankton production will have on global climate change processes in the near future.