2018 Distinguished Scientist Seminar
Semester in Environmental Science

MBL ECOSYSTEMS CENTER, WOODS HOLE, MA

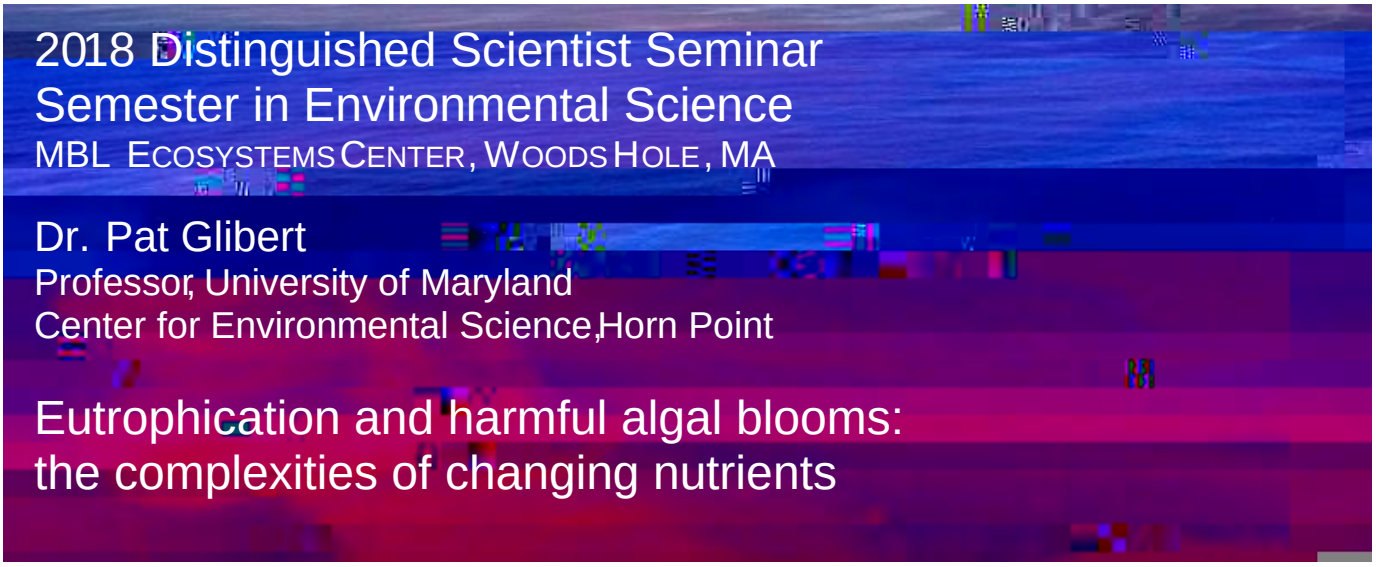
Dr. Sarah Das
Associate Scientist
Dept. of Geology and Geophysics
Woods Hole Oceanographic Institution

Meltdown! Polar Ice Sheets in a Warming World

September 14th 2018 3:00 PM
Speck Auditorium, MBL

Sarah Das is an interdisciplinary earth scientist whose research is focused on polar glaciology, paleoclimatology, and the interaction of the cryosphere with the rest of the Earth System. She is interested in reconstructing past climate using data collected from ice-cores; understanding and measuring changes in the mass balance and dynamics of polar ice sheets and exploring the interaction between the coupled cryosphere-atmosphere-ocean systems. She seeks to understand how these physical factors influence biogeochemical processes in polar environments.

Dr. Das has participated in over 20 Antarctic and Greenlandic field expeditions, fourteen as lead principle investigator and expedition leader. She received her graduate training at Pennsylvania



October 19th 2 3:00 PM Loeb G70 Auditorium, MBL

Pat Glibert is a Professor at the University of Maryland Center for Environmental Science, Horn Point Laboratory. She received her Ph.D. from Harvard University in Organismal and Evolutionary Biology and was a Postdoctoral Scholar and an Assistant Scientist at the Woods Hole Oceanographic before moving to the University of Maryland.

Her research addresses questions about the fate of inorganic and organic nitrogen in marine and estuarine systems, global changes in the nitrogen cycle caused by anthropogenic activities, and the ecology of phytoplankton in estuarine and oceanic environments. She is an expert in the application of stable isotopes to explore problems related to eutrophication and its effects on growth, physiology and mixotrophy among marine cyanobacteria and harmful algal bloom (HAB) species. She has conducted research on impacts of HAB on food webs and shellfish growth, invasive species and effects of ocean fertilization on carbon sequestration.

She has been active in international environmental issues related to eutrophication and harmful algal blooms. In 2001 she received the 3(QYLURQPHQWDO $ZDUG from the Kuwait Minister of Health, and in 2012 was awarded the Distinguished Service Award from Kuwait University. Dr. Glibert also holds an Honorary Doctorate from Linnaeus University, Sweden (awarded in 2011). In 2014 she was appointed visiting professor at Zhejiang University in &KLQD DQG QDPHG 100 Talents. In &KLQD ¶V

She has received a number of prestigious awards for her work (e.g. University of Maryland Board of Reagents Award of Excellence in Research, Scholarship and Creative Activity) and is a Fellow of the American Association for the Advancement of Science. Most recently (2016) she was named a Fellow of the Association for the Sciences of Limnology and Oceanography.

For more information: http://www.umces.edu/pglibert

Suggested readings:

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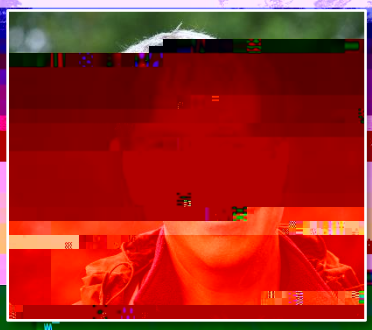
Dr. Eric Seabloom
Professor, University of Minnesota
Dept. Ecology, Evolution & Behavior



Grassland ecosystems and global change: Insights from NutNet, a globally-