



Journal of Geoscience Education

Call for Papers:

Teaching STEM Principles through Oceanography Content

The *Journal of Geoscience Education* (JGE) is soliciting manuscripts for a themed issue on ***Teaching STEM Principles through Oceanography Content***.

Description:

Seventy percent of the Earth's surface is covered by the ocean. It draws the interest of children and adults, scientists and non-scientists. It influences the Earth's energy budget, weather and climate, nutrient cycles, and food chains. It is, at the same time, both a rich resource and a fragile system. Study of the ocean is exciting, interdisciplinary, qualitative and quantitative. For these reasons, we seek to compile a collection of articles that address the use of oceanography content towards improving Science, Technology, Engineering, and Math (STEM) literacy at all levels of formal and informal education. Articles should address educational research, and/or instructional practices and activities that are firmly based in effective pedagogy and supported by evidence-based arguments and data. We have special interest in papers that help unwrap misconceptions, utilize laboratories, and involve students in authentic research. Ultimately we envision this collection to capture the role of oceanography in STEM education and how instructional strategies promote conceptual change and move students towards more accurate understanding of the oceans and the Earth system.

Submission of research papers, curriculum and instruction papers, and commentaries are welcomed. Please contact the theme issue Editors listed below for more information.

Theme Issue Editors:

- Mirjam Glessmer, Hamburg University of Technology, Germany, Guest Associate Editor, mglessmer@googlemail.com
- Elizabeth Nagy-Shadman, Pasadena City College, CA, Guest Associate Editor, eanagy-shadman@pasadena.edu
- John Van Hoesen, Green Mountain College, VT, Associate Editor, vanhoesenj@greenmtn.edu
- Kristen St John, James Madison University, VA, Editor-in-Chief, jge@jmu.edu

Submission Guidelines:

The submission deadline is **November 30, 2014**, for publication in Fall 2015. Letters of submission should state that the manuscript is intended for this theme issue. Submissions must comply with JGE guidelines, available at <http://nagt-jge.org/page/contributors>.