

JEFFREY M SCHELL

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EDUCATION

University of Wisconsin – Madison, WI Department of Zoology (Aquatic Ecology), PhD 2003
SUNY Stony Brook – Stony Brook, NY Marine Environmental Science, MS 1996
College of the Holy Cross – Worcester, MA Biology, BA 1991

EXPERIENCE

2012-present Associate Professor, Sea Education Association, Woods Hole, MA
2003-2011 Oceanography Faculty, Sea Education Association, Woods Hole, MA
2002 Visiting Oceanographer/Chief Scientist, Sea Education Association, Woods Hole, MA
2002 Instructor, Center for Biology Education, Professional Development Course in the Scientific Process for middle school science teachers. University of Wisconsin - Madison, WI
2001 Instructor, Center for Biology Education, Pre-college Enrichment Program for Learning Excellence for under-represented high school students. University of Wisconsin – Madison, WI
2001 Instructor, Center for Biology Education, Saturday Enrichment Program for middle school students. University of Wisconsin – Madison, WI
1998-2002 Research/Teaching Assistant, University of Wisconsin, Madison, WI
1994-1998 Assistant Scientist, Sea Education Association, Woods Hole, MA
1991-1993 Research/Teaching Assistant, SUNY Stony Brook, Stony Brook, NY

AWARDS AND FELLOWSHIPS

2009 Jim Millinger Award for Excellence in Teaching, Sea Education Association
2001-2002 NSF-GK-12 Teaching Fellow, University Wisconsin-Madison
2000 College of Letters & Sciences Teaching Fellow, University Wisconsin-Madison
2000 Writing Across the Curriculum Teaching Fellow, University Wisconsin-Madison

GRANTS

Davis Educational Foundation, May 2012-April 2014: \$66,556. (co-PI)
Project Title: Enhancing a multidisciplinary curriculum with innovative cross-disciplinary teaching.

PUBLICATIONS

Schell J.M., Santos C., Hunker B., Michelson A., Kloehn S., Lillie R. and Dodson, S., 2001. *Classification of ponds and wetlands in Wisconsin using zooplankton species composition and associations.* Hydrobiologia, 445: 37-50.

PRESENTATIONS

Zettler E, P Coughlin, D Goodwin, J Jensen, P Joyce, K Law, V Land McGuire, C Lea, M Malloy, J Quilter, E Rappaport, **J Schell**, A Siuda, J Witting. Training the next generation of ocean science and policy leaders by taking them to sea. 2nd International Ocean Research Conference, Barcelona, Spain, November 2014.

Goodwin D, **J Schell**, ANS Siuda. Sargassum natans and S. Fluitans exhibit geographically distinct distributions in a 20-year neuston net dataset from the western North Atlantic. Ocean Sciences, Honolulu, HI. February 2014.

Goodwin D, **J Schell**, ANS Siuda. The rewards of interdisciplinary teaching in STEM courses: from student to institution. Ocean Sciences, Honolulu, HI. February 2014.

Joyce P, EA Carruthers, M Engels, D Goodwin, KL Law, C Lea, **J Schell**, A Siuda, J Witting, E Zettler. Sea Education Association's sailing research vessels: Innovative platforms for long-term research and education (Poster). American Geophysical Union Fall Meeting, San Francisco, CA. December 2012.

Siuda ANS, D Goodwin, **J Schell**. Hot topics in marine science: Building a *Sargassum* Observing Network. Tall Ships America, 40th Annual Conference on Sail Training and Tall Ships, Erie, PA. February 2013.

Morét-Ferguson S, ANS Siuda, G Proskurowski, **JM Schell**, M Engels, N Twichell, ER Zettler. Biological communities in concentrated debris regions: who shares the ocean surface with plastic in the Eastern Pacific and North Atlantic? 5th International Marine Debris Conference, Honolulu, HI. March 2011.

Joyce P, M Engels, K Law, C Lea, S Morét-Ferguson, G Proskurowski, **J Schell**, ANS Siuda, RJ Wilber, J Witting, E Zettler. Forty Years of At-sea Marine Debris Data Collection. 5th International Marine Debris Conference, Honolulu, HI. March 2011.

Morét-Ferguson S, ANS Siuda, **J Schell**. Spatial and temporal variability in zooplankton density of east Pacific surface waters (Poster). American Society of Limnology and Oceanography, Orlando, FL. March 2008.

J Schell. Research at Sea: A program for teachers using observations to develop research questions. American Geophysical Union American Geophysical Union Fall Meeting, San Francisco, CA. 2005

J Schell. University partnerships for ecological restoration: Enhancing graduate student professional development and k-12 science education (Poster). Ecological Society of America 2002

J Schell and SI Dodson. The role of zooplankton as water quality indicators and in the determination of important land use effects on aquatic communities. North American Lake Management Society 2001

J Schell and SI Dodson Zooplankton assemblages in small ponds: the role of land use on local processes. American Society of Limnology and Oceanography 2000

J Schell and SG Morgan Variation in larval transport mechanisms between diurnal and semidiurnal tidal regimes. 12th Biennial Estuarine Research Federation Conference 1993

PROFESSIONAL AND COMMUNITY SERVICE

Executive Committee Member, Woods Hole Science and Technology Partnership (WHSTEP). 2009-present.

National Conference for Undergraduate Research (NCUR) 2007 Student Mentored Posters:

- Water transport mechanisms in the northeast Pacific Ocean Part I: Haida and Juan de Fuca eddies
- Water transport mechanisms in the northeast Pacific Ocean Part II: Columbia River and Scott Islands plumes

Council for Undergraduate Research (CUR) 2003 Student Mentored Poster:

- Distribution of euthecosomatous pteropods in Caribbean water masses

Cataumet Schoolhouse Summer Series – Fish, Fishing, and Fisheries 2014 Invited Lecture:

- Drifting Oases of Life in the Sargasso Sea

Story Collider – On the Hook Science Storytelling 2014 Invited Storyteller:

- The tragic secret of Playa Escondida

Climate Action Week – Climate Fair 2011 Invited Presenter:

- *Ocean Motion-Thermohaline Circulation demonstration and poster*

PROFESSIONAL MEMBERSHIPS

American Society of Limnology and Oceanography