

Janice McDonnell
Rutgers University, Institute of Marine & Coastal Sciences
71 Dudley Road
New Brunswick, NJ 08901-8521

Professional Preparation: Bachelor of Science, University of Connecticut, May 1988.
Masters of Science, Old Dominion University, December, 1994.
Thesis: "Influence of Organic Enrichment of the Macrobenthic Community Structure in Pocomoke Sound, Saxis, Virginia"

Appointments (Professional Experience):

2005- present Associate Director of Education & Public Outreach
Rutgers University, Institute of Marine & Coastal Sciences (IMCS)

2001-2004 Science Education Specialist, Rutgers-IMCS
Assistant Manager, Jacques Cousteau National Estuarine Research Reserve (JC NERR)

1994 - 2000 Science Education Specialist, Rutgers University-IMCS
Education Coordinator, Jacques Cousteau National Estuarine Research Reserve (JC NERR)
Public Outreach Specialist for the NY-NJ Harbor Sediment Decontamination Technologies Demonstration
Education Specialist for the Mid Atlantic Bight National Undersea Research Center, Rutgers University- IMCS

1992-1994 Graduate Teaching Assistant, Old Dominion University, Norfolk, VA. Research Assistant, Old Dominion University, Norfolk, VA.

1988-1991 Science Education Coordinator, Aquanaut Program, National Undersea Research Program, University of Connecticut, Groton, CT.

Selected Publications:

McDonnell, J. S. Franks, A. Thorrold, C. Peach, and E. Simms. 2007. Strategies for Engaging Scientists in Ocean Sciences Education. *Currents: The Journal of Marine Education*. Vol. 23. No. 1 p. 10-11.

Franks, Sharon. J. McDonnell, C. Peach, E. Simms. and A. Thorrold. 2006. EPO Education and Public Outreach: A Guide for Scientists. *The Oceanography Society*. Pages 1-6.

Franks, Sharon, C. Peach, J. McDonnell, and A. Thorrold. Broader Impact: Guidance for Scientists about Education and Public Outreach. *Eos*. Vol 86 No 12 22 March 2005. p 121, 129.

McDonnell, J., L. Hotaling, G. I. Matsumoto, C. Parsons, B. Meeson, and R. Bell. 2006. Exploring the merit and feasibility of using observing system data in education. Vol 39 (4). *Marine Technology Society Special Winter 2006 issues*. P. 21-28.

Grothues, T. M., K. W. Able, J. McDonnell, M. Sisak. 2005. An estuarine observatory for real-time telemetry of migrant macrofauna: design, performance, and constraints. *Oceanography and Limnology: Methods* 3: 275-289

McDonnell, J., L. Hotaling, and M. Newman. 2004. Taking the pulse of our changing planet: coastal observing systems as a key to teaching ocean sciences in middle schools. 159 pages. (www.cosee-ma.net).

McDonnell, J. and L. Hotaling. 2003. Who Uses the COOL Classroom? Community college and middle/high school educators that's who. *Oceanography*. Vol 16(4) p. 12.

Simms, E. and J. McDonnell, M. De Luca. 2002. Using an Ocean Ecosystem Observatory and the Internet to Bring Meaningful Science Education and Real-time Data into the Middle and High School Classroom. *Currents: Journal of Marine Education*. Vol. 18. No.2. p. 32.

McDonnell, J. 2001. Best Practices in Marine Education: Lessons Learned from a National Estuarine Research Reserve. Editor. T. Felder. *Stewardship in Marine Recreation*. Pages. 51-55.

Bologna, Tina and J. McDonnell. 1999. The Jacques Cousteau National Estuarine Research Reserve. *Calypso Long*. December 1999 issue. pages 6-9.

Synergistic Activities:

- 2007 Chair of the National Council, Centers for Ocean Sciences Education Excellence (COSEE)
- 2006 Chair Elect National Council, Centers for Ocean Sciences Education Excellence (COSEE)
Committee Chair, Advancing the Science of Limnology and Oceanography (ASLO) Education & Human Resources Committee
- 2006 Recipient of the James Centorino Award for outstanding non classroom educator of the year, National Marine Educators Association (NMEA)
- 2005 Committee Member, ORION Education & Outreach Advisory Committee for the National Science Foundation
Manuscript reviewer, *Journal of Geoscience Education*
- 2004 Member of a national committee on Engaging Scientists and Informal Educators, Centers for Ocean Science Education Excellence (COSEE)
- 2001 Advisory Panel Member, National Science Foundation's development of the Request for Proposals (RFP) for the Centers for Ocean Sciences Education Excellence (COSEE) program
- 2001 Workshop Participant, National Science Foundation sponsored Workshop on Centers for Ocean Science Education Excellence (COSEE)
- 1999- 2001 President - New Jersey Marine Educators Association (NJMEA)
- 1998 National Education Representative for the National Estuarine Research Reserve Program (NERR)
- 1995 Board Member, Project WET (Water Education for Teachers) Curriculum
- 1995-present Director of Regional Training Center for MARE (Marine Activities Resources & Education)
- 1994-1996 Working Committee for the Revision of the NJ Shore Protection Master Plan
- 1994 Invited Member, Phi Kappa Phi

Collaborators

Annette de Charon, University of Maine
Ravit Duncan Ph.D, Graduate School of Education Rutgers University
Scott Glenn Ph.D, Rutgers University
Catherine Halversen, Lawrence Hall of Science University of California Berkeley
Liesl Hotaling, the Beacon Institute
Craig Strang, Lawrence Hall of Science, University of California Berkeley
Veronique Robigou, University of Washington

Advisor Daniel Dauer Ph.D, Old Dominion University