

Rochelle Araujo, Senior Ecologist, in EPA's National Exposure Research Laboratory

Systems Exposure Division

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Area of Expertise: Rochelle Araujo is a researcher in the National Exposure Research Laboratory. Her academic training in oceanography and microbial ecology prepared her to work over a wide range of scales, bringing a systems perspective and an interest in integrating observations and modeling approaches. During her twenty-plus years with EPA's Office of Research and Development, she has conducted research on ecosystems and water quality, ranging from oil spill degradation in Alaska to mercury cycling in the Everglades. Developing a late-life interest in the activities and well-being of humans, she now conducts research on Sustainable Communities, with an emphasis on the interactions of built, natural, and social infrastructure on community sustainability and resilience.

Select Publications:

Kolling, J., L. Cox, N. Flanders, A. Procter, N. Tanners, A. Bassi, and R. Araujo. 2015. A System Dynamics Model for Integrated Decision Making: The Durham-Orange Light Rail Project. U.S. Environmental Protection Agency, Washington D.C., EPA/600/R-15/333

Procter, A. C., Kaplan, P. Ö., & Araujo, R. (2015). Net Zero Fort Carson: Integrating Energy, Water, and Waste Strategies to Lower the Environmental Impact of a Military Base. *Journal of Industrial Ecology*.

USEPA, 2009. A Conceptual Framework for U.S. EPA's National Exposure Research Laboratory. U.S. Environmental Protection Agency, Washington, DC, EPA/600/R-09/003.

Sheldon, L, R. Araujo, F. Fulk and F. Hauchman 2008. Exposure Concepts for Environmental Management. EM Jul 5-8

Babendreier, J., L.S. Matott, J. Hameedi, R. Dennis, C. Knightes, R. Mathur, Y. Mohamoud, J.M. Johnston, C. West, G. Laniak, N. Gaber, P. Pascal, and R. Araujo. 2007. Managing Multimedia Pollution for a Multimedia World. EM Dec 6-11.

Knightes, C., M. Meaburn, and R. Araujo. 2007. Atmospheric Deposition of Mercury. EM 26-32.

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Education:

- B.S. in Biology (Genetics) Cornell University
- M.S. in Marine Sciences (Chemistry), Stony Brook University
- Ph.D. in Environmental Toxicology (Environ. Engineering, Ecology), Cornell University

Professional Experience:

- Senior Ecologist, NERL, October 2009 - present
- Associate Director, NERL, February 2002 – October 2009
- National Program Director (Acting), Water Quality, March 2006 – January 2007
- Assistant Laboratory Director (MultiMedia), NERL, Dec 2000 - Feb 2002
- Branch Chief (Acting), NERL/ERD Oct 1999 - Mar 2000
- Research Ecologist, NERL, June 1989 – December 2000

Honors and Awards:

- ORD Science Communications Award 2009
- EPA Science Achievement Award for Water Quality - Mercury Research Team, 2001
- Special Acts Award - Valdez Bioremediation Team, 1990