

CURRICULUM VITAE

Rose M. Smith

PhD Candidate

University of Maryland, College Park

Department of Geology

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Professional Preparation

PhD University of Maryland, College Park, Department of Geology 2011- Present

B.A. Mount Holyoke College, Cum Laude Environmental Studies and Biology, 2009

Semester in Environmental Science Program, The Marine Biological Laboratory, 2007

Research Experience

Graduate Research Assistant, University of Maryland College Park, 2012-Present

Sea Grant Fellow, Maryland Sea Grant, 2011-2012

Professional Research Assistant, Marine Biological Laboratory 2009-2011

Undergraduate Research Assistant, Mount Holyoke College 2007-2009

Teaching Experience

Teaching Assistant, Geology 120; Environmental Geology, 2015

Laboratory Instructor, Geology 110; Physical Geology, 2013-2014

Publications

- Kaushal, S.S., P.M. Mayer, P.G. Vidon, **R.M. Smith**, M.J. Pennino, S. Duan, T.A. Newcomer, C. Welty, K. Belt. 2014. Land use and climate variability amplify carbon, nutrient, and contaminant pulses. In press, *Journal of the American Water Resources Association*
- Bubier, J.L., **R. Smith**, S. Juutinen, T.R. Moore, R. Minocha, S. Long, S. Minocha. 2011. Effects of nutrient addition on leaf chemistry, morphology, and photosynthetic capacity of three bog shrubs. *Oecologia*. 167(2):355-368
- Melillo, J.M., S. Butler, J. Johnson, J. Mohan, P.A. Steudler, H. Lux, E. Burrows, F.P. Bowles, **R. Smith**, C. Vario, T. Hill, A. Burton, Y. Zhou, J. Tang. 2010. Soil warming, carbon-nitrogen interactions and forest carbon budgets. *Proceedings of the National Academy of Sciences* 108(23): 9508-9512.
- Butler, S.M., J. Melillo, J. Johnson, J. Mohan, P.A. Steudler, E. Burrows, C.L. Vario, T.D. Hill, **R. Smith**, N. Aponte. (2011) Soil warming alters nitrogen cycling in a New England forest: implications for ecosystem function and structure. *Oecologia*. (Published online October 2011).

Selected Presentations

- **Smith, R.M.**, Kaushal, S.S. (2014) Export and metabolism of Carbon in Urban Watersheds: Climate Implications. American Geophysical Union Conference (San Francisco, CA, USA)
- **Smith, R.M.**, Kaushal, S.S., Beaulieu, J.J., Pennino, M.J., Mayer, P.M., Welty, C., Miller, A.J. (2014) Impacts of stormwater management on greenhouse gas fluxes from urban streams. Joint Aquatic Sciences Meeting (Portland, OR)

- Smith, R.M.**, Kaushal, S.S. (2014) Carbon Dynamics in Urban Watersheds of the Chesapeake Bay. Mid-Atlantic Regional Meeting of the Ecological Society of America (College Park, MD, USA)
- **Smith, R.M.**, Kaushal, S., Pennino, M.J. (2012) Longitudinal Patterns in Carbon and Nutrient Export from Urban Watersheds with Contrasting Headwater Management. American Geophysical Union Conference (San Francisco, CA, USA)
- Smith, R.M.**, Juutinen, S., Bubier, J., Moore, T. 2009. *Effects of NPK Fertilization on Leaf Morphology and Photosynthesis for Evergreen and Deciduous Shrubs in a Boreal Peatland* (August 2009 Ecological Society of America Albuquerque, NM, February 2010 Canadian Carbon Program Annual Meeting, Montreal, QC)

Awards and Honors

Outstanding Student Paper Award, AGU Biogeosciences Section, 2014
 Goldhaber travel fellowship, 2014 (\$800)
 Earth System Science Interdisciplinary Center travel fellowship, 2014 (\$600)
 Maryland Water Resources Research Center Summer Graduate Fellowship, 2014 (\$6,000)
 University of Maryland Graduate Summer Research Fellowship, 2013 (\$5,000)
 Maryland Sea Grant Research Fellowship, 2011 (\$20,000)
 University of Maryland Dean's Fellowship, 2011 (\$10,000)
 Mary Lyon Scholar Award, Mount Holyoke College, 2009
 Howard Hughes Medical Institute Summer Research Mentoring Fellowship, 2008 (\$5,400)