

# WENDY H. YANG

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## **CURRENT POSITION:**

Ph.D. Candidate  
Department of Environmental Science,  
Policy, and Management, 137 Mulford Hall #3114  
University of California, Berkeley, CA 94720

## **GENERAL INFORMATION:**

Maiden name: Liu  
E-mail: wendy\_yang@berkeley.edu  
Office: 140A Hilgard Hall  
Phone: 510-643-3963  
Fax: 510-643-5098

## **EDUCATION:**

2004 – present	Ph.D. Environmental Science, Policy, and Management (Expected 2010) University of California, Berkeley
1999 – 2003	B.A. (magna cum laude) Environmental Science and Public Policy Harvard University
Summer 2005	Stable Isotope Ecology laboratory and lecture course University of Utah, Salt Lake City

**RESEARCH INTERESTS:** My research is in ecosystem ecology and terrestrial biogeochemistry, focusing on nitrogen cycling. My dissertation research includes developing new approaches for measuring dinitrogen production from denitrification in soils, and investigating the controls on denitrification to determine the effects of nitrogen deposition on soil nitrogen cycling.

## **FELLOWSHIPS AND RECOGNITION:**

- National Science Foundation Doctoral Dissertation Improvement Grant (\$12,000), 2008
- Environmental Science, Policy, and Management Departmental Travel Grants, UC-Berkeley (over \$5000 awarded in total), 2005-2008
- Outstanding Graduate Student Instructor Award, 2007 (for ESPM 111 in Spring 2006)
- National Science Foundation, Graduate Research Fellowship, 2007-2010 (awarded 2006)
- Department of Energy, Global Change Education Program, Graduate Research Environmental Fellowship, 2006-2007 (declined two additional years of funding)
- Berkeley Atmospheric Sciences Center, Graduate Research Fellowship (\$10,000), 2005
- Graduate Student Travel Award for ESA Merida meeting, National Science Foundation, 2005
- National Science Foundation, Graduate Research Fellowship, Honorable Mention, 2005
- Carolyn Meek Memorial Scholarship, UC-Berkeley, 2004-2005

## **RESEARCH AND TEACHING EXPERIENCE:**

Fall 2006	Graduate Student Instructor, ESPM 301: Professional Preparation: Teaching as a Lifelong Experience, UC-Berkeley.
Spring 2006	Graduate Student Instructor and Guest Lecturer on Nitrogen Cycling and Global Biogeochemical Cycles, ESPM 111: Ecosystem Ecology, UC-Berkeley.
2003 – 2004	Lab and Field Technician, Whendee Silver Lab, Department of Environmental Science, Policy, and Management, UC-Berkeley.
2001 – 2003	Undergraduate Research Assistant, Steven Wofsy Lab, Department of Earth and Planetary Sciences, Harvard University.

- 2001 – 2002 Undergraduate Research Assistant, N. Michele Holbrook Lab, Department of Organismic and Evolutionary Biology, Harvard University.
- 2001 Undergraduate Research Assistant, Harvard University Committee on the Environment, China Project headed by Michael B. McElroy, Harvard University.

#### **PUBLICATIONS:**

- Cusack, D.F., W.W. Chou, **W.H. Yang**, M.E. Harmon, W.L. Silver, and the LIDET Team. Controls on long-term root and leaf litter decomposition in neotropical forests. In press, *Global Change Biology*.
- Sack, L., P. Melcher, **W.H. Liu**, E. Middleton, and T. Pardee. 2006. How strong is intra-canopy leaf plasticity in temperate deciduous trees? *American Journal of Botany* 93:829-839.
- Liu, W.H.**, D.M. Bryant, L.R. Huttyra, S.R. Saleska, E. Hammond Pyle, D.C. Curran, and S.C. Wofsy. 2006. Woody debris contribution to the carbon budgets of selectively-logged and maturing mid-latitude forests. *Oecologia* 148:108-117.

#### **PRESENTATIONS:**

- Yang, W.H.**, R. Ryals, D. Cusack, and W. Silver. 2008. Patterns in nitrogen cycling across diverse California soils subjected to nitrogen inputs. American Geophysical Union Fall Meeting, poster. San Francisco, CA.
- Yang, W.H.**, J. Severinghaus, and W.L. Silver. 2008. Using N<sub>2</sub>/Ar to measure surface soil N<sub>2</sub> fluxes. Berkeley Atmospheric Sciences Center Symposium, poster. Berkeley, CA.
- Yang, W.H.**, J. Severinghaus, and W.L. Silver. 2008. Using N<sub>2</sub>/Ar to measure soil N<sub>2</sub> fluxes. Denitrification RCN Measurements Workshop, poster. Horn Point, MD.
- Silver, W.L. and **W.H. Yang**. 2008. High resolution N<sub>2</sub>/Ar measurements for soil denitrification. Denitrification RCN Measurements Workshop, joint oral. Horn Point, MD.
- Yang, W.H.**, B.H. Traut, and W.L. Silver. 2006. Denitrification in salt marsh soil: the relative importance of nitrous oxide and dinitrogen end products. Berkeley Atmospheric Sciences Center Symposium, poster. Berkeley, CA.
- Liu, W.H.**, B.H. Traut, and W.L. Silver. 2006. Denitrification in salt marsh soil: the relative importance of nitrous oxide and dinitrogen end products. Biogeomon, oral. Santa Cruz, CA.
- Liu, W.H.**, L. Hennesy, and W.L. Silver. 2006. Urban sustainability and forest recovery in developing tropical countries: linking rural emigration and reforestation of agricultural land. Ecological Society of America's "Ecology in an Era of Globalization" conference, poster. Merida, Mexico.
- Liu, W.H.**, D.M. Bryant, L. Huttyra, S.R. Saleska, and S.C. Wofsy. 2003. The contribution of coarse woody debris respiration to the carbon budget of a northern hardwood forest. Long Term Ecological Research Network All-Scientists Meeting, poster. Seattle, WA.
- Liu, W.H.**, D.M. Bryant, L. Huttyra, and S.C. Wofsy. 2003. Respiration of coarse woody debris in adjacent shelterwood-cut and mature central hardwood stands. 14<sup>th</sup> Annual Harvard Forest Ecology Symposium, poster. Petersham, MA.

**OUTREACH ACTIVITIES:**

- 2005 – present Volunteer, *Community in the Classroom*, Community Resources for Science, Berkeley, CA.
- 2005 – present Role Model, *Techbridge Girls*, Chabot Space and Science Center, Oakland, CA.
- 2005 – 2006 Climate Impacts Intern, *Union of Concerned Scientists*, Berkeley, CA.
- 2006 – 2007 Organizer, ESPM Community Building Seminar, UC-Berkeley.
- 2005 – 2006 Member, *Students for a Greener Berkeley*, UC-Berkeley.
- 2003 Corporate Accountability Intern, *Coalition for Environmentally Responsible Economies*, Boston, MA.
- 2000 – 2003 Co-captain and Co-founder, *Resource Efficiency Program*, Harvard University, Cambridge, MA.

**PROFESSIONAL MEMBERSHIPS:**

- 2005 – present American Geophysical Union
- 2005 – present Ecological Society of America