

MICHELLE Y. WONG

Cary Institute of Ecosystem Studies
2801 Sharon Turnpike; PO Box AB
Millbrook NY 12545-0129

Telephone: (845) 677-5343 x 129 FAX: (845) 677-5976
E-mail: wongm@caryinstitute.org

Education:

CORNELL UNIVERSITY	2013 – 2019
PhD, Department of Ecology and Evolutionary Biology	
UNIVERSITY OF CALIFORNIA, BERKELEY	2006 – 2010
B.S. Molecular Environmental Biology	
B.A. Sociology, High Honors	

Professional Positions:

Postdoctoral Scientist, Cary Institute of Ecosystem Studies	2019 – Present
NSF GROW Visiting Student, University of Brasilia, Brazil	Spring 2018
Environmental Scientist, California EPA Department of Pesticide Regulation	2011 – 2013
Lab/Field Technician, W. Silver Lab, UC Berkeley	2010 – 2011

Selected Professional Honors:

NSF Doctoral Dissertation Improvement Grant	2017
NSF Graduate Research Fellowship	2015

Research Interests and Activities:

I am ecosystem ecologist and biogeochemist studying how plants and nutrients interact to shape ecosystem function. My research asks how nutrients are cycled, processed, and stored in terrestrial ecosystems, and what the downstream consequences are for plant growth and nutrient storage and enrichment. I study how nutrients shape plant communities, and ask how plants access their nutrients and what limits plant growth at the ecosystem level.

Selected Publications:

- **Wong, M.Y.**, Rathod, S.D., Marino, R., Li, L., Howarth, R.W., Alastuey, A., Alaimo, M.G., Barraza, F., Carneiro, M.C., Chellam, S. and Chen, Y.C., 2021. Anthropogenic perturbations to the atmospheric molybdenum cycle. *Global Biogeochemical Cycles*, 35(2), p.e2020GB006787.
- **Wong, M.Y.**, Neill, C., Marino, R., Silvério, D. and Howarth, R.W., 2021. Molybdenum, phosphorus, and pH do not constrain nitrogen fixation in a tropical forest in the southeastern Amazon. *Ecology*, 102(1), p.e03211.
- **Wong, M.** Mahowald, N.M., Marino, R., Williams, E., Chellam, S. and Howarth, R.W. Atmospheric deposition of molybdenum: a global model and implications for tropical forests. *Biogeochemistry*, 149: 159–174
- **Wong, M.**, Howarth, R.W., Marino, R., Silveiro, D., Brando, P., D., and Neill, C. 2019. Biological nitrogen (N) fixation does not replace N losses after forest fires in the southeastern Amazon. *Ecosystems*, 1-19