

TANA E. WOOD

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EDUCATION AND TRAINING

University of Texas	Austin, TX	Biology	B.S.	1997
University of Virginia	Charlottesville, VA	Environmental Sciences	M.S.	2003
University of Virginia	Charlottesville, VA	Environmental Sciences	Ph.D.	2006
University of Virginia	Charlottesville, VA	Postdoctoral Researcher		2006-2007
University of California	Berkeley, CA	NOAA Postdoctoral Fellow		2008-2009
University of California	Berkeley, CA	Postdoctoral Fellow		2009-2010

RESEARCH AND PROFESSIONAL EXPERIENCE

2016-present	Adjunct Professor, University of Puerto Rico-Rio Piedras
2015-present	Research Ecologist, USFS International Institute of Tropical Forestry
2012-2105	Research Scientist, Fundación Puertorriqueña de Conservación
2010-2012	Research Scientist, University of California-Berkeley
2010-2015	Adjunct Scientist, USFS International Institute of Tropical Forestry

RESEARCH NARRATIVE

The primary objective of my research is to understand the structure and function of tropical forested ecosystems in response to ongoing climate and land-use change. I focus primarily on four research areas (1) Seasonal dynamics of biogeochemical cycling in tropical forests from hourly to inter-annual timescales; (2) Tropical forest responses to altered moisture and temperature regimes; (3) The effects of prior land-use history and species assemblages on tropical forest regeneration in both urban and rural ecosystems.

PUBLICATIONS

1. Yaffar D, **Wood TE**, Reed SC, Branoff BL, Cavaleri MA, Norby RJ. 2021. Legacy effects of experimental warming on root dynamics following hurricane. *Global Change Biology*. 27 (24), 6423-6435.
2. Gutiérrez del Arroyo O, **Wood TE**. 2020. Non-linear variation in diurnal soil respiration of a humid tropical forest in Puerto Rico suggests strong links between above and belowground processes. *Journal of Geophysical Research- Biogeosciences*. 125 (3): 13.
3. Reed SC, Reibold R, Cavaleri MA, Alonso-Rodríguez AM, Berberich ME, **Wood TE**. 2020. Soil biogeochemical responses of a tropical forest to warming and hurricane disturbance. *Advances in Ecological Research*. 62, 225-252.
4. Benedicte B, Alonso-Rodríguez AM, Aldrich-Wolfe L, Cavaleri MA, Reed SC, **Wood TE**. 2020. Altered climate leads to positive density-dependent feedbacks in a tropical rainforest. *Global Change Biology*. 26:3417-2428.
5. **Wood TE**, Cavaleri MA, Giardina CP, Khan S, Mohan JE, Nottingham AT, Reed SC, Slot M. 2019. Soil warming effects on tropical forests with highly weathered soils. In: *Ecosystem Consequences of Soil Warming*. Academic Press. 385-439.
6. Cavaleri, M.A.; Reed, S.C.; Smith, K.; **Wood, T.E.** 2015. Urgent need for warming experiments in tropical forests. *Global Change Biology* 21(6):2111-2121.

7. Meir, P., **Wood, T.E.**, Galbraith, D.R., Brando, P.M., Da Costa, A.C., Rowland, L., & Ferreira, L.V. 2015. Threshold responses to soil moisture deficit by trees and soil in tropical rain forests: insights from field experiments. *BioScience*, 65 (9), 882-892.
8. **Wood, T.E.**, Silver, W.L., Detto, M. 2013. Moisture and Temperature Controls on Short-term Variability in Soil Respiration of a Wet Tropical Forest. *PLoS ONE* 8(12):e80965.
9. **Wood, T.E.**; Cavaleri, M.A.; Reed, S.C. 2012. Tropical forest carbon balance in a warmer world: A critical review spanning microbial- to ecosystem-scale processes. *Biological Reviews*. doi: 10.1111/j.1469-185X.2012.00232.x
10. **Wood, T.E.** and Silver, W.L. 2012. Strong spatial variability in trace gas dynamics following experimental drought in a humid tropical forest. *Global Biogeochemical Cycles*. 26, GB3005, doi:10.1029/2010GB004014

SYNERGISTIC ACTIVITIES

1. Mentorship: In 2016, I initiated an internship program where interns spend 3-4 months immersed in scientific research where they are trained in a range of research activities. To date, I have supervised and trained 29 interns (69% women, 48% minorities).
2. Science Communication for Public: Since 2015 I have given approximately 50 educational and scientific tours and workshops, including USDA Secretary Tom Vilsack (2016) and other visiting officials as well as visiting classrooms (6th grade to University level). I have additionally conduct multiple media interviews, with 27 articles about TRACE in national and international news outlets including the Guardian, Here and Now, ClimateWire, Al Jazeera America, and Associated Press (2015-present).
3. Professional Service: Luquillo LTER Management Committee (2019-present), Luquillo LTER Science Education & Advisory Board (2015-2018); Associate Editor, Ecology and Evolution (2015-present); Associate Scientist, Luquillo LTER (2011-present); Associate Scientist, Luquillo CZO (2013-present); Diversity, Gender and Inclusion Committee, Association for Tropical Biology and Conservation (2016-present).
4. Science Communication: TRACE maintains a fully bi-lingual web page (www.forestwarming.org) and participates broadly in science outreach and communication via social media (twitter, Instagram, facebook) and through participation in community events such as International Forest Day.

HONORS

USDA Forest Service Award for Outstanding Performance (2018), NOAA Climate and Global Change Postdoctoral Fellowship (2007), Dissertation Year Fellowship, Graduate School of Arts and Sciences, UVa (2004), Moore Research Award, UVa (2004, 2002), Exploratory Research Award, UVa (2001, 2003)

PROFFESIONAL SOCIETIES

American Geophysical Union, Ecological Society of America, Association for Tropical Biology