

Sarah E. Wittman  
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2007	Ph.D., Biology, University of Vermont, Burlington, VT
2005	Ant Course, California Academy of Sciences and Museum of Comparative Zoology, Southwestern Research Station, Portal, AZ
2001	B.S., Biology and Environmental Science, <i>Summa cum laude</i> St. Norbert College, De Pere, WI

2016-present, University of Vermont  
Principles of Biology, Exploring Biology, Ecology and Evolution, Plant-Animal Interactions, Community Ecology, Sociobiology, Biology of Symbiosis, First Year Zoology Seminar, Teaching Assistantship

2013-2016

Human Biology, Environmental Earth Science – Champlain College  
Introduction to Biology: Cells and Genes – Community College of VT

2001-2007, University of Vermont

Taught laboratory sections of introductory biology and intermediate ecology courses  
2005, University of Vermont

Designed and ran content for online non-majors biology laboratory course  
2003-2005, University of Vermont

Supervised several undergraduate field ecology research projects

Wittman SE, O'Dowd DJ, Green, PT. 2018. Carbohydrate supply drives colony size, aggression, and impacts of an invasive ant. *Ecosphere* 9(9):e02403.

Wittman SE. 2014. Impact of ant invasions on native ant communities worldwide. *Myrmecological News*. 19:111-123. (Invited Review)

Tillberg CV, Edmonds B, Freauff A, Hanisch PE, Paris C, Smith CR, Tsutsui ND, Wills BD, Wittman SE, Suarez AV. 2014. Foraging ecology of the tropical giant hunting ant *Dinoponera australis* (Hymenoptera: Formicidae) – evaluating mechanisms for high abundance. *Biotropica*. 46:229-237.

Porensky LM, Wittman SE, Riginos CR, Young TP. 2013. Herbivory and drought interact to enhance diversity and spatial patterning in a savanna understory. *Oecologia*. 173: 591-602.

Smith CR, Suarez AV, Tsutsui ND, Wittman SE, Edmonds B, Freauff A, Tillberg CV. 2011. Nutritional asymmetries are related to division of labor



- Presented by Victor Benassi and Maryellen Weimer through Magna Online
- 2014 Vermont Invasives First Detector Volunteer
  - 2010 "Christmas Island: Unique Environment Under Threat" Radio Interview, *The Science Show*, ABC Radio National. Broadcast 12 June 2010.
  - 2010 "What can stable isotopes do for you?" Presented to Christmas Island National Park Invasive Species Team, Christmas Island, Australia
  - 2008 "Ecology of East African savannas." Presented to High School Biology Students at Essex High School, Essex Junction, VT and Victor J. Andrew High School, Tinley Park, IL
  - 2007 Completion of Graduate Fellow Teaching Program, Center for Teaching and Learning, University of Vermont (UVM)
  - 2005 Biology Department Senator, Graduate Student Senate, UVM
  - 2005 Graduate Student Mentor, National Biological Honor Society, UVM
  - 2004 Graduate Student Representative, Department of Biology Advisory Council, UVM

#### MANUSCRIPT REVIEW

*Austral Ecology, Behavioral Ecology and Sociobiology, Biological Invasions, Conservation Biology, Ecography, Ecological Entomology, Insectes Sociaux, Journal of Animal Ecology, Journal of Applied Ecology, Journal of Insect Conservation, Myrmecological News, Northeastern Naturalist (Guest Editor), Oecologia, Oikos*

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- 2011 The role of scale insects in the formation of yellow crazy ant (*Anoplolepis gracilipes*) supercolonies on Christmas Island, Indian Ocean. Annual Conference of the Ecological Society of Australia, Hobart, Tasmania
  - 2011 Cascading effects of an ecosystem engineer in a semi-arid grassland. Invited Seminar, Department of Zoology, La Trobe University, Melbourne, Victoria
  - 2010 The role of termites as ecosystem engineers in an East Africa savanna. International Meeting of the Association for Tropical Biology and Conservation, Bali, Indonesia.
  - 2008 Effects of species interactions and thermal constraints on ant community structure. International Conference of Entomology, Durban, South Africa
  - 2008 Keystone species effects in an East African savanna. Invited Seminar, Smithsonian Environmental Research Center, Edgewater, MD
  - 2006 Competitive interactions of ground-foraging ants in the Siskiyou-Klamath Ecoregion. International Conference of the International Union for the Study of Social Insects, Washington, D.C.