

TSITSI Y. MCPHERSON, Ph.D

122 E Science 1
Department of Biology
State University of New York College at Oneonta
Oneonta, New York, 13820

E-mail: tsitsi.mcpherson@oneonta.edu
Phone: 607-436-3745

RESEARCH INTEREST

My research focuses on biodiversity conservation and explores the intersection of conservation biology with politics and history, human rights, environmental psychology, and socioeconomic development to facilitate long-term conservation success.

EDUCATION

PhD 2011 University of Connecticut (Ecology). Biodiversity Modelling to Support Regional Conservation and Indigenous Rights: A Case Study from Guyana. Department of Ecology and Evolutionary Biology. Storrs, Connecticut, USA.

MS 2006 University of Connecticut (Ecology). Tree Species performance in a tropical forest: the role of soil nutrients and topography. Department, Ecology and Evolutionary Biology. Storrs, Connecticut, USA.

BA 2001 University of Guyana (Biology and Geography (Distinction.), minor: Chemistry). Impact of Seasonal Variations in Rainfall and Phenology on Moth Diversity and Abundance. Department of Biology and Geography.

PROFESSIONAL EXPERIENCE

2014-present Lecturer. State University of New York at Oneonta. Oneonta, New York. USA. Courses taught: Modern Biology, Conservation Biology.

2013-2014 Postdoctoral Lecturer. State University of New York at Oneonta. Oneonta, New York. USA. Courses taught: Environmental Sustainability, Modern Biology.

2013 Consultant to Guiana Shield Facility. Project title: The Guiana Shield Interdisciplinary Database Project. Guiana Shield Facility (GSF). Georgetown, Guyana, South America.

2011-2012 Research Specialist. Biological Collections: University of Connecticut, Department of Ecology and Evolutionary Biology. Storrs-Mansfield, Connecticut, USA.

2002-2003 University of Guyana, Faculty of Natural Sciences, Department of Biology. Turkeyen Campus, Greater Georgetown, Guyana

- Scientific Officer (Museum/Herbarium).
- Lecturer: BIO 111-Introductory Biology.

1996-1998 Herbarium Worker. Centre for the Study of Biological Diversity (CSBD), University of Guyana, Biology Department. Turkeyen Campus. Greater Georgetown. Guyana. South America.

PROFESSIONAL DEVELOPMENT

2015 Climate Change Diplomacy: Negotiating Effectively under UNFCCC. Offered through the United Nations Institute for Research and Training – e-Learning (<https://www.learnatunitar.org/>)

2011-2012 UNESCO Chair and Institute of Comparative Human Rights. University of Connecticut. Storrs-Mansfield, Connecticut

- Research, Policy development, Administration Volunteer:, USA. Sept.-May: Research Volunteer. Supervisor: Nana Amos
- Rapporteur, Facilitator: UNESCO International Leadership Training Programme – A Global Intergenerational Forum, 8th annual. UNESCO Chair and Institute of Comparative Human Rights. University of Connecticut, Storrs, USA. (Aug. 2-12, 2012).
- 2011 Facilitator: UNESCO International Leadership Training Programme – A Global Intergenerational Forum, 7th annual. UNESCO Chair and Institute of Comparative Human Rights. University of Connecticut, Storrs, USA. (Aug. 4-14, 2011).

SELECTED PUBLICATIONS

McPherson, T.Y. (in prep). Disentangling sample size and geographic extent when modeling species distributions. Expected submission to Conservation Biology

McPherson, T. Y. (in prep) Conservation priority setting and indigenous rights: a case study from Guyana, South America. Expected submission to Journal of Human Rights

McPherson, T. Y. and Mark A. Boyer. (2015) Designing transboundary conservation: navigating sovereignty and ecosystem scale in the Guiana Shield. International Studies Perspectives: 1-17 doi: 10.1111/insp.12102 (March 2016 in press)

McPherson, T. Y. (2014). Landscape scale species distribution modeling across the Guiana Shield to inform conservation decision making in Guyana. Biodiversity and Conservation 23: 1931-1948

Brown, J.W. and McPherson, T. (2001). Systematics of *Rebinea Razowski* and *Eliachna Razowski*, (Lepidoptera: Tortricidae: Euliini), sister groups endemic to Chile and Argentina. Journal of the Entomological Society of Washington 55(4), 129-139.

PRESENTATIONS, POSTERS AND PUBLISHED ABSTRACTS

2015 Disentangling sample size and geographic extent when modeling species distributions: a case from northeastern South America. Life of the Mind Series. State University of New York College at Oneonta. Oneonta, NY.

2013 Disentangling sample size and geographic extent when modeling species distributions: a case study from Guyana, South America. International Congress for Conservation Biology. Montpellier, France.

2013 Guiana Shield Facility Interdisciplinary Database: where science meets decision support at the local, national, and regional levels. III International Congress on Biodiversity of the Guiana Shield. Paramaribo, Suriname.

2013 Conservation and Human Rights, an opportunity for Indigenous Peoples empowerment: a case study from Guyana, South America. International Congress for Conservation Biology. Baltimore, MD.

2010 Conservation Planning Using Spatially Clustered Data. Student Conference on Conservation Science. SCCS-NY. American Museum of Natural History. Center for Biodiversity and Conservation.

2007 Using Existing Forestry and Ecological Data to Inform Forest Conservation - The Need for Data to Serve Multiple Functions. International Congress for Conservation Biology Meeting. Port Elizabeth South Africa.

Indigenous Rights and Land Tenure Issues When Proposing Protected Areas. Latin American and Caribbean Studies Research Symposium. Storrs-Mansfield, Connecticut, USA.

2006 Soil nutrients and slope as explanatory mechanisms of tropical tree diversity. Iwokrama International Centre for Rainforest Conservation and Development. Georgetown, Guyana, South America.

Edaphic and Topographic Influence on Tree Species Performance in a Tropical Forest Latin American and Caribbean Studies Research Symposium. Storrs-Mansfield, Connecticut, USA.

2005 The Interplay Between Tree Species Performance and Edaphic Variation in a Tropical Forest. Northeast Ecological. Northeast Ecology & Evolution Conference. Penn State, University Park, Pennsylvania, USA.

The Interplay Between Tree Species Performance and Edaphic Variation in a Tropical Forest. Latin American and Caribbean Studies Research Symposium. Storrs-Mansfield, Connecticut, USA.