KIM M. THOMPSON

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Electronic portfolio: http://thompsonkim.wordpress.com

EDUCATION

University of Cincinnati, Department of Biological Sciences
Ph.D. in Biology — 2013

Dissertation: "Biodiversity in Forests of the Ancient Maya Lowlands and Genetic Variation in a Dominant Tree, *Manilkara zapota* (Sapotaceae): Ecological and Anthropogenic Implications."

Research Advisory Committee: David Lentz, Theresa Culley, Regina Baucom, Nicholas Dunning, Steven Rogstad, Vernon Scarborough.

University of Cincinnati, College of Education, Criminal Justice & Human Services
M.Ed in Secondary Education — 2006

Thesis: "Dissection Alternatives in the Classroom: Impact on Students and Educational Goals, Available Resources, and an Evaluation Framework."

Thomas More College
B.A. in Social Work, Magna cum Laude graduate — 1982

HONORS

Dean's List, University of Cincinnati (Cumulative GPA: 3.96) — 2004-2006

ETS Recognition of Excellence for outstanding score on The Praxis Series, Biology: Content Knowledge. — 2005

ETS Recognition of Excellence for outstanding score on The Praxis Series, Principles of Learning and Teaching: Grades 7-12. — 2005

EMPLOYMENT HISTORY

Ohio University, Athens, OH — current
Dept. of Environmental & Plant Biology Lecturer

University of Cincinnati, Blue Ash, Cincinnati, OH — 2014
Adjunct Instructor, Introductory Biology I and Introductory Biology I lab

University of Cincinnati, Department of Biological Sciences, Cincinnati, OH — 2008-2014
Graduate Assistant (2008-2013) and Adjunct Instructor, Biology (2014)

Ohio College Tech Prep, Southwest Region — 2010
Consultant

Cincinnati Public Schools, Aiken University High School, Cincinnati, OH — 2007–2008
Environmental Science Teacher

Winton Woods High School, Winton Woods School District, Cincinnati, OH — 2006–2007
Biology and Physical Science Teacher

Covington Community Center, Covington, KY — 1981–1992
Program Coordinator, Community Organizer

TEACHING EXPERIENCE

Adjunct Instructor, Course Development, University of Cincinnati 2014
Environmental Field Techniques,
Interdisciplinary Field Experiences for Teachers
Introductory Biology I and Introductory Biology I lab (Instructor, Course Development)
Microbiology lab

Microbiology for Allied Health Professionals (Laboratory Instructor) 2013-2014
Teaching Assistant (2013) to Dr. Richard Karp and Adjunct (2014), University of Cincinnati

Introductory Biology, Summer Bridge Scholars Program (Instructor, Course Development)
University of Cincinnati Emerging Ethnic Engineers Program for under-represented incoming freshman 2012

Medical Botany 565 (Instructor, Course Development) 2012
University of Cincinnati

Cell Structure, Biology 301 (Laboratory Instructor) 2012
Teaching Assistant to Dr. Katherine Tepperman, University of Cincinnati

Biology 111, 112, Introductory Biology (Laboratory Instructor) 2009, 2011
Teaching Assistant to Dr. Jill Beyette, University of Cincinnati

Biology 302, Genetics (Laboratory Instructor) 2008
Teaching Assistant to Dr. Charlotte Paquin, University of Cincinnati

Environmental Science (Instructor, Curriculum Development) 2007-2008
Aiken University High School, Cincinnati Public Schools.

Biology and Physical Science (Instructor, Curriculum Development) 2006-2007
Winton Woods High School.

PUBLICATIONS AND PAPERS

Articles

Thompson K, Miller MC, Culley TM. Comparison of plant species richness, diversity, and biomass in Ohio wetlands. *The Ohio Journal of Science* 107(3):2-9. 2007

Thompson K, Culley TM, Zumberger AM, Lentz DL. Discerning anthropogenic and ecological influences on genetic variation and structure in the neotropical tree, *Manilkara zapota* (L) P. Royen (Sapotaceae).
[Submitted to Tree Genetics and Genomes, 2014].

Book Chapters

Thompson K, Hood A, Cavallero D, Lentz D. Connecting Contemporary Ecology and Ethnobotany to Ancient Plant Use Practices of the Maya at Tikal. In *Tikal and Maya Paleoecology* (eds. Lentz D, Dunning N, Scarborough V). Cambridge University Press. (In Press) 2015

Lentz D, Lane B, Thompson K. 2014. Food, Farming and Forest Management Practices of the Late Classic Maya at Aguateca. In *Life and Politics at the Royal Court of Aguateca: Artifacts, Analytical Data, and Synthesis* (eds. Inomata T, Triadan D). University of Utah Press. 2014

PRESENTATIONS

Papers/Oral

Discerning historic impacts on genetic variation and structure in *Manilkara zapota* (Sapotaceae). 2013
BOTANY 2013 Conference, Botanical Society of America, July 29, 2013.

Empowerment, Networking and Community Involvement Opportunities. 2013
Stay Connected – Network, Collaborate, Explore & Develop, One-Day Symposium sponsored by: EPA Federal Women's Program, Women In Science and Engineering, and the Administrative Council for Excellence, March 6, 2013.

Ancient Maya Management of a Tropical Fruit and Timber Tree, *Manilkara zapota*. 2012
Quaternary and Anthropocene Research Group, March 7, 2012.

Genetic Diversity and Structure of a Neotropical Fruit, Timber and Latex Tree, *Manilkara zapota* 2011
(Sapotaceae).
BOTANY 2011 Conference. Botanical Society of America, July 12, 2011.

Ancient Practices and Diverse Habitats: Effects on the Genetic Diversity and Structure of a 2011
Tropical Fruit and Timber Tree, *Manilkara zapota.*
Society for American Archaeology Annual Meeting, April 1, 2011.

Comparison of Emergent Plant Biomass and Species Composition in Constructed Wetlands of 2003
Varying Ages.
Research Experience for Women Undergraduates Presentations for Donors.

Poster

Paleoethnobotanical Analysis of Plants Used by the Ancient Maya at Tikal. 2012
*Meyer, B., *N. O'Connell, K. Thompson, and D. Lentz.
Undergraduate Conference, University of Cincinnati. June 1, 2012.

The Population Genetic Structure of an Economically Important Tree, *Manilkara zapota*. 2012
*Little, K., K. Thompson and T. Culley.
Undergraduate Conference, University of Cincinnati. June 1, 2012.

Ancient Practices and Diverse Habitats: Impact on Genetic Structure of *Manilkara zapota*. 2010
Thompson, K., T. Culley and D. Lentz.
Botany 2010 Conference, Botanical Society of America, August 3, 2010.

*Undergraduate Student Co-Author

MENTORING

Undergraduate and Recent graduates

<u>Plant genetics research, Culley lab</u>

Alex Zumberger	2012
Katheryn Little	2011-2012
Megan Philpott	2011

<u>Paleoethnobotanical research, Lentz lab</u>

Blair Mynear	2012
Katlyn Hahn	2012

Paleoethnobotanical research, Lentz lab, continued

Amanda McGuire	2012
Nicole O'Connell	2012
Grace Morris	2011-2012
Bradley Meyer	2011-2012
Cassandra Gallagher	2011

Other Volunteer Mentoring

PlantingScience, Botanical Society of America	2011-2013
Panel Member, Women in Science and Engineering, Research Experience for Women Undergraduates. August 6, 2012.	2012
District Science Fair, Judge	2005-2012
Incorporating Outdoor Activities in a High School Curriculum Developed and facilitated a workshop for Woodrow Wilson Teaching Fellows Center for Field Studies, July 25, 2011.	2011
Presenter, Walnut Hills High School Botany and History classes	2010
Green Team, organizer and facilitator, Aiken University High School	2007-2008

LEADERSHIP in PROFESSIONAL and STUDENT ORGANIZATIONS

Association for Women in Science, Greater Cincinnati Chapter, Vice-president	2012-2013
Biology Graduate Student Association of the University of Cincinnati	
Treasurer	2010
Secretary	2011
Society for American Archaeology Annual Meeting	
Symposium Chair, Ancient Maya Agroforestry and Water Management Systems at Tikal.	2011

AFFILIATIONS

AAUW
Association for Women in Science
Botanical Society of America
National Association of Biology Teachers
Society for Economic Botany

FUNDING

Botanical Society of America, Genetics Section, Conference Travel, $500.00	2013
Wieman/Wendel/Benedict Award, University of Cincinnati, $800.00. Moving Genes through the Rainforest: Natural Dispersal or Ancient Maya Influence?	2012-2013
University of Cincinnati-Graduate Student Governance Association Travel Award, $400.00.	2011
Wieman/Wendel/Benedict Award, University of Cincinnati, $1200.00. A Population Genetic Study of *Manilkara zapota* (Sapotaceae) in the Lowland Maya Region.	2011-2012
Wendel Botany Scholarship, University of Cincinnati, $2000.00. Genetic Analysis of *Manilkara zapota* (Sapotaceae), a Neotropical Fruit and Timber Tree.	2011-2013

Botanical Society of America, Genetics Graduate Student Research Award, $500.00; (additional $500.00 matching grant from the University of Cincinnati Department of Biology). Chloroplast Microsatellite Analysis of *Manilkara zapota* (Sapotaceae).	2011-2013
The Garden Club of America 2011 Award in Tropical Botany, $5500.00; (additional $500.00 matching grant from the University of Cincinnati Department of Biology). Understanding Dispersal Patterns of *Manilkara zapota*, A Tropical Fruit and Timber Tree.	2011-2013
Women in Science Travel Grant, BOTANY Conference, $350.00.	2010
University of Cincinnati-Graduate Student Governance Association Travel Award, $400.00.	2010
Wieman/Wendel/Benedict Award, University of Cincinnati, $1000.00. Genetic Variation and Structure in *Manilkara zapota* populations at Tikal National Park, Guatemala.	2010-2011
University of Cincinnati-Graduate Student Governance Association Research Award, $100.00. Using Sequencing to Test for Consistency in Nuclear Microsatellite Markers.	2010
Wieman/Wendel/Benedict Award, University of Cincinnati, $1000.00. Genetic Variation and Structure in *Manilkara zapota* populations.	2009-2010
University of Cincinnati-Graduate Student Governance Association Research Award, $400.00.	2009
Fellowship, Research Experience for Women Undergraduates, Women in Science and Engineering, $3000.00. Advisors: Theresa Culley, Michael Miller.	2003