

MADELEINE M. DUPUY

Utah State University Department of Biology
5305 Old Main Hill | Logan, UT 84322
madeleine.dupuy@usu.edu | (435)797-8230

EDUCATION

Utah State University, Department of Biology Logan, UT
PhD Candidate in Biology/Ecology June 2013-Present
Dissertation: *Integrated Management of Billbugs in the Intermountain West* with Dr. Ricardo Ramirez

The University of Georgia, Warnell School of Forestry and Natural Resources Athens, GA
BS in Forest Resources: Natural Resources Recreation and Tourism August 2009-May 2013
Minor: Ecology
Senior thesis: *Remnant Forests in Clear Cuts as Reservoirs of Ground Beetle Diversity* with Dr. Kamal Gandhi

TEACHING EXPERIENCE

BIOL 1615: General Biology for Science Majors, Lab Portion <i>Preparatory teaching assistant</i>	USU Department of Biology Fall 2016
BIOL 3300: Introduction to Microbiology <i>Preparatory teaching assistant</i>	USU Department of Biology Spring 2016 and Fall 2016
BIOL 4430: Introduction to Plant Pathology <i>Laboratory teaching assistant</i>	USU Department of Biology Spring 2016
BIOL 1610: General Biology <i>Laboratory teaching assistant</i>	USU Department of Biology Fall 2015

My teaching assistant experience throughout my PhD program has been varied. In BIOL 1610 and BIOL 4430, I introduced students to new concepts as well as strengthened concepts from lectures while guiding them through experiments and biological procedures including, but not limited to, gel electrophoresis, sterile culturing of microorganisms, and Koch's Postulates. I also have gained experience with grading weekly assignments and a term paper for these classes. As a prep assistant for BIOL 3300, I culture microorganisms to be used in lab activities and ensure that the teaching assistants have everything they need for their class to run smoothly. As a prep assistant for BIOL 1615, I am doing a trial run of a new, several weeks long experiment to be introduced to students this semester. I am involved with setting protocols, determining what supplies will be needed, and developing teaching materials for this portion of the lab.

PEER-REVIEWED PUBLICATIONS

Dupuy, M.M. and R.A. Ramirez, 2016. Biology and management of billbugs (*Sphenophorus* spp.) in turfgrass. *Journal of Integrated Pest Management* 7:1 p.1-10.

Dupuy, M.M., J.A. Powell, and R.A. Ramirez. Developing a degree-day model to predict billbug (Coleoptera: Curculionidae) seasonal activity in Intermountain West turfgrass. In prep for *Journal of Economic Entomology*.

OTHER PUBLICATIONS

Dupuy, M.M., 2016. Turf Entomology 101. Turf IPM Advisory, Spring 2016. USU Extension.

Ramirez, R.A. and **M.M. Dupuy**, 2014. The Usual Suspects for Turf Insects & Research Results in 2013. *Utah Pests News*, Vol. VIII, Winter 2014. Utah Plant Pest Diagnostic Laboratory and USU Extension.

PROFESSIONAL PRESENTATIONS

Dupuy, M.M., 2016. Pretty Little Borers: Emerald Ash Borer (*Agilus planipennis*). USU Entomology Club Bug of the Month lecture series, Logan, UT, 6 April.

Dupuy, M.M., 2016. ~~Small Wonders~~ Rulers: Our Insect Overlords. USU Entomology Club and Merrill-Cazier Library Present: Small Wonders: The Expansive World of Insects opening reception, Logan, UT, 7 February.

USU Entomology Club and Merrill-Cazier Library Present: Small Wonders: The Expansive World of Insects, a collaborative visual and educational display. On view in the Merrill-Cazier Library Atrium, Logan, UT, February through May 2016.

Ramirez, R.A. and **M.M. Dupuy**, 2015. Kill billbug: A degree-day model for billbugs (*Sphenophorus* spp.) in Intermountain West turf. Entomological Society of America 63rd Annual Meeting, Minneapolis, MN, 15-18 November.

Dupuy, M.M. and R.A. Ramirez, 2015. Tools for IPM: A degree-day model for billbugs (*Sphenophorus* spp.) in Intermountain West turf. Entomological Society of America 63rd Annual Meeting, Minneapolis, MN, 15-18 November.

Ramirez, R.A. and **M.M. Dupuy**, 2015. Poster: Tracking billbugs (*Sphenophorus* spp.) to improve IPM in Intermountain West turfgrass. 8th International IPM Symposium, Salt Lake City, UT, 23-26 March.

Dupuy, M.M. and R.A. Ramirez, 2014. Tracking billbugs (*Sphenophorus* spp.) and generalist predators to advance biocontrol in Intermountain West turfgrass. Entomological Society of America 62nd Annual Meeting, Portland, OR, 16-19 November.

Dupuy, M.M., Spears, L.R., and R.A. Ramirez, 2014. Poster: A survey of billbugs (*Sphenophorus* spp.) to improve turfgrass management in the Intermountain West. Entomological Society of America Pacific Branch 98th Annual Meeting, Tucson, AZ, 6-9 April.

Dupuy, M.M., Spears, L.R., and R.A. Ramirez, 2013. Poster: A survey of billbugs (*Sphenophorus* spp.) to improve turfgrass management in the Intermountain West. Entomological Society of America 61st Annual Meeting, Austin, TX, 10-13 November. 1st place President's Prize, P-IE section.

Dupuy, M.M. and K.J.K. Gandhi, 2013. Poster: Remnant forests as reservoirs of ground beetle diversity. Annual Warnell Graduate Student Symposium, Athens, GA, March. 2nd place prize for undergraduate posters.

GRANTSMANSHIP

Ramirez, R.A. and **M.M. Dupuy**, 2016. The contribution of predatory arthropods toward billbug suppression in Intermountain West turfgrass. Utah State University Extension Grants Program. Submitted: March 2016. **Received: \$9,429.20**

HONORS & AWARDS

USU Graduate Enhancement Award, \$4,000.00 May 2015
Recognizes 20 graduate students at USU from all departments for excellence in academics and contributions to the university and the local community

ESA Student Travel Award, \$250.00 March 2015
Grants travel funds to the Entomological Society of America Pacific Branch meeting

Invited to Golden Key International Honour Society November 2014
Recognizes top 15% of graduate students in all fields of study

Entomological Society of America 61st Annual Meeting , \$150.00 Student poster <i>1st place President's Prize</i> , P-IE section	November 2013
Warnell Graduate Student Symposium , \$50.00 Undergraduate poster <i>2nd place prize</i>	March 2013
Graduated University of Georgia <i>Cum Laude</i>	May 2013
Warnell School of Forestry and Natural Resources Dean's List	Fall 2010-Spring 2013
Delta Epsilon Iota Academic Honor Society	2010-Present
HOPE Scholarship Pays full tuition at UGA for in-state students maintaining at least a 3.0 GPA throughout study	Fall 2009-Spring 2013

LEADERSHIP ROLES

USU Entomology Club <i>President</i>	Fall 2013- Present May 2015-May 2016
<ul style="list-style-type: none"> Started Bug of the Month lecture series, where one club member gives a short presentation about an interesting insect at each monthly club meeting Conceived, organized, and oversaw a collaborative exhibition for the general public with the USU Merrill-Cazier Library (<i>Small Wonders: The Expansive World of Insects</i>) Headed fundraising efforts at the 2015 ESA annual meeting in Minneapolis, MN, from which the club made >\$800 profit from t-shirt and jewelry sales. 	
<i>Secretary</i>	May 2014-Present
<i>Linnaean Games Team Member</i>	Fall 2013-Spring 2015
<ul style="list-style-type: none"> Competed at the Entomological Society of America Pacific Branch meeting in Tucson, Arizona, 2014 	
USU Biology Graduate Student Association <i>Outreach committee member</i>	Spring 2015-Present
<i>Active member</i>	Fall 2013-Present
UGA Students for Environmental Action <i>Secretary</i>	Fall 2011
<i>Vice President</i>	Spring 2012-Spring 2013
<ul style="list-style-type: none"> Monthly community service and pragmatic initiatives to improve campus sustainability Conceive and head environmental initiatives and lead club members in completion of these projects 	
Natural Resources Recreation and Tourism Society, Member	Fall 2011-Spring 2013
<ul style="list-style-type: none"> Outdoor community service, i.e. trail maintenance and clean-up, community outreach 	

OUTREACH EXPERIENCE

USU Entomology Club , Active member	Fall 2013-Present
Consultation Field Visit , Willow Pond Park, Murray, UT	July 2015
<ul style="list-style-type: none"> Visit to a park with turf problems to diagnose insect damage 	
USU Extension Services	
<ul style="list-style-type: none"> Turf Field Day, Logan, UT Turf Field Day, Sandy, UT 	Fall 2013 Summer 2014
Entomological Society of America Pacific Branch , check-in desk volunteer	April 2014
Athens-Clarke County Leisure Services Summer Camp Counselor	Bear Hollow Zoo at Memorial Park Athens, GA Summer 2012

Project WILD Certification
Project Learning Tree Certification

Fall 2012
Fall 2012

PROFESSIONAL DEVELOPMENT

Getting Started as a Successful Proposal Writer and Academician, USU February 2015

Great Smoky Mountains Field Course, GSMNP, North Carolina and Tennessee August 2012

- Plant and animal ID, salamander and stream sampling techniques, local ecology

Tropical Ecology Maymester, Costa Rica May-June 2011

- Ecological research, plant and animal ID, local ecology and culture

Language skills: basic French

Computer skills: Microsoft Office Suite, SAS, Sigma Plot, R, ArcGIS, Adobe Photoshop

PROFESSIONAL SOCIETIES

Entomological Society of America, Student member September 2013-Present

USU Ecology Center, Active member August 2013- Present
