Amanda Lynn Buchanan

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**EDUCATION**

2012 **The** **Florida State University**, Tallahassee, FL

PhD, Biological Science (Ecology and Evolution)

2001 **The** **University of Oregon**,Eugene, OR

BA *cum laude*, Spanish/Exercise and Movement Science, Clark Honors College

**GRANTS AND FELLOWSHIPS**

2011 Julia Morton Invasive Plant Research Grant, Florida Exotic Pest Plant Council

2011 Robert K. Godfrey Endowment for Botany, Florida State University

2009 Dissertation Research Grant, Florida State University

2009, '07, '05 University Fellowship, Florida State University

2007 NSF Graduate Research Fellowship, Honorable Mention

2006 Robert B. Short Scholarship in Zoology, Florida State University

**HONORS**

2001 Departmental Honors (Spanish), University of Oregon

2001 Centurion Award, University of Oregon

2000 Phi Beta Kappa Honor Society

2000 International Education and Exchange Scholarship, University of Oregon

1996-2001 Dean’s List, University of Oregon

1996-2000 Presidential Scholarship, University of Oregon

**PUBLICATIONS**

2012 **A. Buchanan** and N. Underwood. Attracting pollinators and avoiding herbivores: insect foragers influence plant traits within and across years, (submitted)

2012 **A. Buchanan.** Effects of herbivory and pollination on reproduction in a clonal flowering plant: damage increases growth and asexual reproduction in *Eichhornia crassipes*, (in prep)

2012 **A. Buchanan**. Damage by *Neochetina* spp. weevils (Coleoptera: Curculionidae) induces defenses in *Eichhornia crassipes* (Pontederiaceae), (in prep)

2012 **A. Buchanan** and B. Inouye. Forager variability and the evolution of plant allocation schedule, (in prep)

2004 J.N. Holland, **A. Buchanan**, and R. Loubeau. Oviposition choice and larval survival in an

obligately pollinating granivorous moth, Evolutionary Ecology Research, 6: 607-618

**PRESENTATIONS**

2012 **A. Buchanan**, "Allocation shifts favor asexual reproduction: response to damage and pollination in a clonal flowering plant (*Eichhornia crassipes*)", Ecol. Soc. of Am. Annual Meeting, Portland, OR

2011 **A. Buchanan** and N. Underwood, “Attracting pollinators and avoiding herbivores: Resource allocation in a perennial plant”. Ecol. Soc. of Am. Annual Meeting, Austin, TX

2011 **A. Buchanan** and N. Underwood, "Insect foragers and plant allocation pattern: Within- and among-year effects in *Chamerion angustifolium*". Ecology and Evolution across Trophic Levels, Bucknell University, Lewisburg, PA

2011 **A. Buchanan**, "Insect foragers and plant allocation pattern", Ecology and Evolution Seminar, Florida State University, Tallahassee, FL

2009 **A. Buchanan** and B. Inouye, "A dynamic optimization model of the influence of allocation pattern and herbivore and pollinator environments on plant fitness", Ecological Society of America Annual Meeting, Albuquerque, NM

2009 **A. Buchanan** and B. Inouye, "Evolutionary consequences of plant phenology, herbivory, and pollination", Southeastern Ecology and Evolution Conference, Gainesville, FL

**PROFESSIONAL APPOINTMENTS**

2011 Curriculum Development with A. Winn, "Chemical Ecology" (FSU)

2008 Research assistant, B. Inouye, PhD (FSU)

2006 Research assistant, N. Underwood, PhD (FSU)

2005 Graduate, "The Bee Course", Southwestern Research Station, Portal, AZ

2003‐4 Teacher, Biology/Integrated Science, South Ruimveldt Secondary School, Guyana

(U.S. Peace Corps)

2001 Research assistant, J.N. Holland, PhD (U of Arizona)

**TEACHING**

Undergraduate biology courses at Florida State University:

-General Biology (instructor of record)

-General Ecology

-Research Methods

-Experimental Biology Lab (Foraging Ecology)

-Experimental Biology Lab (Pollination Biology)

-Plant Biology and Plant Biology Lab

-Anatomy/Physiology Lab I and II

**UNDERGRADUATE MENTORING**

2011-12 Kerri Brinegar, FSU. Project title: Effects of plant height on pollination and seed predation in *Rhexia virginica*

2009-10 Rachel Atchison, FSU. Project title: Root herbivory by banded cucumber beetles (*Diabrotica balteata*) affects zucchini plant performance (*Cucurbita pepo*)

2009 Hannah Carey, St. Edwards University & Rocky Mountain Biological Lab. Project title: Clonal integration of induced resistance to herbivory damage in *Chamerion angustifolium*

**SERVICE AND OUTREACH**

2012 "Insects as Food", Leon County Public Libraries, Tallahassee, FL

2012 "Insects as Food", School of Arts and Sciences, Tallahassee FL

2012 Graduate student representative, Department Chair Search Advisory Committee, Florida State University

2011 "Art and Ecology", Pineview Elementary School, Tallahassee FL

2009-10 Steward, Graduate Assistant Union, Department of Biological Science, FSU

2008 Organizer, Southeastern Ecology and Evolution Conference

2007-08 President, Ecology and Evolution Graduate Student Organization, FSU

2006-07 Treasurer, Ecology and Evolution Graduate Student Organization, FSU