

Curriculum Vitae
JUANITA A. FORRESTER
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EDUCATION

Ph.D.	2008	University of Georgia, Athens, GA	Entomology
	Dissertation title:	“Sacred Systematics: The Noviiini of the World (Coleoptera: Coccinellidae)”	
	Major professor:	Joseph V. McHugh	
	GPA (cum. / major):	3.55 / 4.0	
M.S.	2003	University of Georgia, Athens, GA	Entomology
	Thesis title:	“Taxonomy of the <i>Aspidiphorus uenoi</i> species group (Coleoptera: Sphindidae)”	
	Major professor:	Joseph V. McHugh	
	GPA (cum. / major):	3.40 / 4.0	
B.S.	1999	Reinhardt College, Waleska, GA	Biology
	Major professor:	G. William Wolfe	
	GPA (cum. / major):	3.76 / 4.0	

TEACHING EXPERIENCE

A. Courses Taught

Biology 1108 L (BIOL 1108L), University of Georgia, Fall, 2008

Served as the primary instructor for the laboratory portion of the course, responsible for lab lectures, activities, field trips, and assessment for undergraduate Biology majors.

Entomology for Teachers (ENTO 5730, 7730), University of Georgia, Summer, 2008

Served as the primary instructor, responsible for lectures, labs, field trips, and grading for both undergraduate and graduate students.

Biology, Woodstock High School, Fall, '99

Provided lesson plans, lectured, and assigned grades to college preparatory freshmen and sophomores.

Anatomy and Physiology, Woodstock High School, Fall, '99

Provided lesson plans, lectured, prepared laboratory exercises, and assigned grades to college preparatory seniors.

B. Courses Assisted

Environmental Science, Jackson County Comprehensive High School, Jefferson, Georgia, Fall, 2004 – Spring, 2005

Developed and implemented laboratory and field activities as well as lectures for college preparatory juniors and seniors.

Physical Science, Clarke Central High School, Athens, Georgia, Fall, 2003, Spring, 2004

Coordinated and implemented laboratory activities and lectures for college preparatory freshmen.

Insect Taxonomy (ENTO 6010), University of Georgia, Fall, 2002

Conducted laboratory activities, administered and graded lab exams, assisted with field trips, assisted with grading insect collections

Medical Entomology (ENTO 3650), University of Georgia, Spring, 2002, Spring, 2003

Assisted with laboratory preparation and activities, conducted and graded lab exams.

Forest Entomology (ENTO 3820), University of Georgia, Fall, 2001

Assisted with laboratory exercises and student review sessions.

Insects and the Environment (ENTO 2010), University of Georgia, Fall, 2000, Spring, 2001, Fall, 2001, Spring, 2002

Assisted with class rosters, distribution of material and information to students, and grading.

C. INVITED LECTURES

Criminal Justice (CRJU 4950), Augusta State University, Fall, 2007, Spring, 2008

Principles of forensic entomology.

Georgia Bureau of Investigation, Regional Crime Scene Specialist Training, Georgia Public Safety Training Center, Spring, 2007

Principles of forensic entomology.

Georgia Bureau of Investigation, Regional Crime Scene Specialist Training, Georgia Public Safety Training Center, Spring, 2007

Techniques for the collection and preservation of entomological evidence at crime scenes.

Criminal Justice (CRJU 4950), Augusta State University, Fall, 2006

Principles of forensic entomology.

Agroecology in Tropical America (CRSS 6931), University of Georgia, Summer, 2004

Introduction to insect diversity, taxonomy, and identification.

D. GUEST LECTURES

Ornamental Pest Management (PATH/ENTO 4360 / 6360), University of Georgia, Fall, 2008

Mites: morphology, biology, and signs of infestation.

Insect Taxonomy (ENTO 6010), University of Georgia, Fall, 2006

Philosophies of taxonomy.

Medical Entomology (ENTO 3650), University of Georgia, Spring, 2003

Diptera: morphology, identification, and disease transmission.

Introductory Biology (BIO 108), Reinhardt College, Spring, 2002

Structure and function of the human brain.

Insect Taxonomy (ENTO 6010), University of Georgia, Fall, 2002

Morphology of Hymenoptera.

PRESENTATIONS**A. Invited**

FORRESTER, J. A. "The Science Behind Our Food: Inquiry-based teaching in the science classroom." Georgia Science Supervisors Association, Regional Meeting, Atlanta, GA. Spring, 2007.

FORRESTER, J. A. "Insects in the classroom: from classification to forensics." Visiting Agriscience Teachers, University of Georgia, Athens, Georgia. June, 2005.

FORRESTER, J. A. "Why classify? An overview of insect systematics and taxonomy." Governor's Honors Nominee Program, University of Georgia, Athens, Georgia. February, 2004.

B. Oral

FORRESTER, J. A., Vandenberg, N. J., and J. V. McHugh. "Calling a clade a clade: Farewell to *Anovia* Casey (Coleoptera: Coccinellidae)." Georgia Entomological Society Meeting, Cordele, Georgia. Ph. D. Student Competition. April, 2008.

FORRESTER, J. A. and Joseph V. McHugh. "Sacred systematics: phylogeny and classification of *Noviini* (Coleoptera: Coccinellidae)." Entomological Society of America Southeastern Branch Meeting, Jacksonville, Florida. Ph.D. Student Competition, March, 2008.

FORRESTER, J. A. and Joseph V. McHugh. "Sacred systematics: phylogeny and classification of *Noviini* (Coleoptera: Coccinellidae)." Entomological Society of America National Meeting, San Diego, California. Ph.D. Student Competition, Systematics, Morphology, and Evolution. December, 2007.

FORRESTER, J. A. and Joseph V. McHugh. "Sacred systematics: phylogeny and classification of *Noviini* (Coleoptera: Coccinellidae)." Georgia Entomological Society Meeting, Athens, Georgia. Ph.D. Student Competition. May, 2007.

FORRESTER, J. A., McLanahan, E. D., Rowley, A., and C. Wildman. "See and taste the Science Behind Our Food." National Science Teachers' Association National Meeting, Dallas, Texas. April, 2005.

FORRESTER, J. A. "Entomological outreach at the University of Georgia." Entomological Society of America Southeastern Branch Meeting, Baton Rouge, Louisiana. Ten minute papers, Symposium. March, 2003.

FORRESTER, J. A. and Joseph V. McHugh. "The *Aspidiphorus uenoi* species group (Coleoptera: Sphindidae)." Entomological Society of America National Meeting, Fort Lauderdale, Florida. Ten minute papers, Systematics, Morphology, and Evolution. November, 2002.

C. Display

FORRESTER, J. A. and Joseph V. McHugh. "Taxonomy of the *Aspidiphorus uenoi* species group (Coleoptera: Sphindidae)." University of Georgia Department of Entomology, H. O. Lund Week, Athens, Georgia. April, 2004.

FORRESTER, J. A. and Joseph V. McHugh. "A new species group of *Aspidiphorus* Zeigler in Dejean (Coleoptera: Sphindidae)." Entomological Society of America Southeastern Branch Meeting, Little Rock, Arkansas. March, 2002.

PUBLICATIONS

A. Book chapters

FORRESTER, J. A. and J. V. McHugh. Sphindidae Jacquelin DuVal, 1861. *In*: R.A.B. Leschen and R.G. Beutel, eds., Handbook of Zoology – Coleoptera, vol. II. De Gruyter, Berlin, New York. In press.

Giorgi, J. A., Vandenberg, N. J., McHugh, J. V., FORRESTER, J. A., Ślipiński, S. A., Miller, K. B., Shapiro, L. R., and M. F. Whiting "The evolution of food preferences in Coccinellidae (Coleoptera: Cucujoidea)." *Biological Control* Special Issue. In press.

B. Journal articles (refereed)

FORRESTER, J. A. and J. V. McHugh. 2007. "A Review of the Sphindidae (Coleoptera: Cucujoidea) of Madagascar ." *Coleopterists Bulletin*, 61(4): 590-603.

FORRESTER, J. A. and N. J. Vandenberg. 2008. "First Florida records for *Anovia circumclusa* (Gorham) (Coleoptera: Coccinellidae: Noviini): A natural enemy of *Icerya genistae* Hempel (Hemiptera: Margarodidae)." *Zootaxa*, 1720: 66 - 68.

FORRESTER, J. A., N. J. Vandenberg, and J. V. McHugh. "First description of the egg, larva, and pupa of *Anovia circumclusa* (Gorham) (Coleoptera: Coccinellidae: Noviini)" *Zootaxa*, in review.

HONORS AND AWARDS

University of Georgia

- 2008 C. M. Beckham Award for Best Paper by a Ph.D. Student
- 2008 2nd place presentation, H.O. Lund Entomology Conference
- 2007 C. M. Beckham Award for Best Paper by a Ph.D. Student
- 2004 H.O. Lund Outstanding Ph.D. Student, Outreach and Extension
- 2003 H.O. Lund Outstanding Master's Student, Outreach and Extension
- 2003 2nd place team, Linnaean Games National Championship
- 2003 2nd place team, Linnaean Games Regional Championship
- 2002 H.O. Lund Outstanding Masters Student, Outreach and Extension

Reinhardt College

- 1999 Summa Cum Laude Graduate
- 1999 Most Outstanding Physics Student, Department of Mathematics
- 1997 Most Outstanding Education Student, Department of Education

RESEARCH SUPPORT

Assistantships

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|------|---------------------------------|------------|-----------------------|
| 2008 | Graduate Research Assistantship | Entomology | University of Georgia |
| 2007 | Graduate Research Assistantship | Entomology | University of Georgia |
| 2003 | Graduate Teaching Assistantship | Entomology | University of Georgia |
| 2002 | Graduate Teaching Assistantship | Entomology | University of Georgia |
| 2001 | Graduate Teaching Assistantship | Entomology | University of Georgia |
| 2000 | Graduate Teaching Assistantship | Entomology | University of Georgia |

Fellowships

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| 2007 | National Science Foundation Teaching Fellow | University of Georgia |
| 2006 | National Science Foundation Teaching Fellow | University of Georgia |
| 2005 | National Science Foundation Teaching Fellow | University of Georgia |
| 2004 | National Science Foundation Teaching Fellow | University of Georgia |

Scholarships

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| 2007 | The Ohio State University: North American Cladistics Workshop | \$700 |
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Grants

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| 2005 | Supplemental Matching Funds Grant | H. H. Ross Memorial Fund | \$800 |
| 2001 | Supplemental Matching Funds Grant | H. H. Ross Memorial Fund | \$500 |

DEGREE RELATED TRAVEL**Museum visits**

2006	United States National Museum of Natural History	Washington, D.C.
2005	United States National Museum of Natural History	Washington, D.C.

Field Experience: Domestic

2006	Florida	Survey of Coccinellidae in citrus grove	4 days
2004	South Carolina	Congaree National Park, survey of Coleoptera	3 days
2003	Georgia	Sapelo Island, general collecting	3 days
2001	Georgia	Sapelo Island, general collecting	3 days
1998	Georgia	St. Catherine's Island, survey of aquatic Coleoptera	3 days
1997	Georgia	St. Catherine's Island, survey of aquatic Coleoptera	3 days

Field Experience: International

2004	Costa Rica	General collecting; study abroad; extensive travel	11 days
2001	Botswana	Survey of aquatic Coleoptera	21 days
1999	Namibia	Survey of aquatic Coleoptera; extensive travel	30 days
1997	Ecuador	General collecting; ecology	16 days

PROFESSIONAL TRAINING WORKSHOPS

- 2007 Systematic Theory and Methods
North American Cladistics Workshop
Instructors: Dr. John Freudenstein, The Ohio State University
Dr. Pablo Goloboff, Fundación e Instituto Miguel Lillo, Argentina
Dr. Kevin Nixon, Cornell University
Dr. John Wenzel, The Ohio State University
Dr. Ward Wheeler, American Museum of Natural History
- 2007 Digital Scientific Illustration
PEET VI Conference
Instructor: Dr. Ralph Holzenthal, University of Minnesota
- 2006 Taxonomy and Identification of Cucujoidea
University of Georgia
Instructor: Dr. Adam Ślipiński, CSIRO Entomology, Australia
- 2006 Bioinformatics and Taxonomic Databasing
University of Georgia
Instructor: Dr. Norman Johnson, The Ohio State University
- 2006 Microoptics Digital Imaging
University of Georgia
Instructor: Tom Beecher, Fotografix
- 2005 NSF Regional Grant-Writing Workshop
University of South Florida
- 2005 International Aggregation of Ladybird Specialists
Smithsonian Institution
Instructors: Dr. Natalia Vandenberg, USDA Systematic Entomology Lab
Dr. Adam Ślipiński, CSIRO Entomology, Australia

CONFERENCES ATTENDED

- 2008 Georgia Entomological Society Meeting
Cordele, Georgia
- 2008 Entomological Society of America Branch Meeting
Jacksonville, Florida
- 2007 Entomological Collections Network National Meeting
San Diego, California
- 2007 Entomological Society of America National Meeting
San Diego, California
- 2007 Georgia Science Teachers Association Meeting
Athens, Georgia
- 2007 PEET VI Biennial Conference
Athens, Georgia
- 2007 Georgia Entomological Society Meeting
Athens, Georgia
- 2007 Georgia Science Supervisors Association Meeting
Atlanta, Georgia
- 2005 North American Forensic Entomology Association Meeting
Orlando, Florida
- 2005 National Science Teachers Association Meeting
Dallas, Texas
- 2003 Entomological Society of America National Meeting
Cincinnati, Ohio
- 2003 Entomological Society of America Branch Meeting
Baton Rouge, Louisiana
- 2002 Entomological Society of America National Meeting
Fort Lauderdale, Florida
- 2002 Entomological Society of America Branch Meeting
Little Rock, Arkansas
- 2001 Entomological Society of America National Meeting
San Diego, California

PROFESSIONAL MEMBERSHIPS

Coleopterists Society
Georgia Entomological Society
Entomological Society of America
National Science Teachers Association
North American Forensic Entomology Association

PROFESSIONAL ACTIVITIES

- 2007-present Subject reviewer for *Zootaxa* (Coccinellidae)
- 2007-present Member of Committee for Outreach and Education
Section for Systematics, Evolution, and Biodiversity, Entomological Society of America
- 2007 Certified Instructor
Georgia Bureau of Investigation

2003	Linnaean Games National Competitor <i>Cincinnati, Ohio</i>
2003	Linnaean Games Regional Competitor <i>Baton Rouge, Louisiana</i>
2003-present	Science Resource Contact <i>Cherokee Co., Ga. Schools</i>
2002-2003	H. O. Lund Entomology Club: Vice President / Outreach <i>University of Georgia, Athens, Georgia</i>
2002	Linnaean Games Regional Competitor <i>Little Rock, Arkansas</i>
2001-2002	H. O. Lund Entomology Club: Secretary <i>University of Georgia, Athens, Georgia</i>

EXTENSION/EDUCATIONAL OUTREACH

Presentations to students of all ages using both live and preserved arthropods, collection equipment, and activities to introduce the science of entomology.

University of Georgia, Athens, GA

October 2007	<i>Hickory Flat Elementary School, Canton, GA</i>
September 2007	<i>Mount Carmel Preschool, Duluth, GA</i>
May 2007	<i>Creekland Middle School, Canton, GA</i>
May 2007	<i>Hickory Flat Elementary School, Canton, GA</i>
April 2007	<i>Mount Carmel Preschool, Duluth, GA</i>
April 2007	<i>Miller Grove High School, Atlanta, GA</i>
May 2006	<i>Hickory Flat Elementary School, Canton, GA</i>
May 2005	<i>Hickory Flat Elementary School, Canton, GA</i>
May 2005	<i>Woodstock Elementary School, Woodstock, GA</i>
May 2005	<i>Columbia High School, Decatur, GA</i>
May 2005	<i>Cedar Shoals High School, Athens, GA</i>
April 2005	<i>Woodstock Elementary School, Woodstock, GA</i>
April 2005	<i>Insect Zoo, Athens, GA</i>
July 2004	<i>Camp Elachee Nature Center, Gainesville, GA</i>
June 2004	<i>Cub Scouts Day Camp, Snellville, GA</i>
April 2004	<i>Madison County Head Start, Madison, GA</i>
April 2004	<i>Buffington Elementary School, Canton, GA</i>
April 2004	<i>Monroe Area Comprehensive High School, Monroe, GA</i>
April 2004	<i>Insect Zoo, Athens, GA</i>
April 2004	<i>Barrow Elementary School, Athens, GA</i>
April 2004	<i>Columbia High School, Decatur, GA</i>
December 2003	<i>Monroe Area Comprehensive High School, Monroe, GA</i>
November 2003	<i>Madison County High School, Madison, GA</i>
September 2003	<i>Insectival, Athens, GA</i>
June 2003	<i>Athens 'Athfest/ Kidsfest', Athens, GA</i>
June 2003	<i>Camp Elachee Nature Center, Gainesville, GA</i>
May 2003	<i>Camp Elachee Nature Center, Gainesville, GA</i>
May 2003	<i>Canton Elementary School, Canton, GA</i>

June 2003	<i>Hickory Flat Elementary School, Canton, GA</i>
June 2003	<i>Lanier Museum of Natural History, Buford, GA</i>
June 2003	<i>Buffington Elementary School, Canton, GA</i>
April 2003	<i>Agriculture Day at Barnett Shoals Elementary School, Athens, GA</i>
April 2003	<i>Elbert County Comprehensive High School, Elberton, GA</i>
April 2003	<i>Insect Zoo, Athens, GA</i>
February 2003	<i>Lyndon House Arts Center, Athens, GA</i>
February 2003	<i>Malcolm Bridge Middle School, Athens, GA</i>
January 2003	<i>Camp Elachee Nature Center, Gainesville, GA</i>
November 2002	<i>Boys and Girls Club Tour of UGA, Athens, GA</i>
October 2002	<i>Sandy Creek Nature Center, Athens, GA</i>
October 2002	<i>The Majors Fair, Athens, GA</i>
October 2002	<i>Barnett Shoals Elementary, Athens, GA</i>
September 2002	<i>Insectival, Athens, GA</i>
July 2002	<i>Canton First United Methodist Church "Bug Safari," Canton, GA</i>
April 2002	<i>Buffington Elementary School, Canton, GA</i>
April 2002	<i>Insect Zoo, Athens, GA</i>
September 2001	<i>Insectival, Athens, GA</i>
April 2001	<i>Oconee County Pre-K Academy, Athens, GA</i>
April 2001	<i>Insect Zoo, Athens, GA</i>
April 2001	<i>Buffington Elementary School, Canton, GA</i>
November 2000	<i>Watkinsville Area Home Schoolers, Watkinsville, GA</i>