

# Jose Adriano Giorgi

## Curriculum Vitae

Beetle Systematics and Morphology Lab • Dept. of Entomology • University of Georgia -  
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### EDUCATION

- 2009  
(anticipated) Ph.D. in Entomology, Univ. of Georgia (UGA) (GPA = 3.86).  
Major Professor: Dr. Joseph V. McHugh.
- 2001 M.S. in Zoology, Universidade de Sao Paulo (Brazil) (GPA = 3.8).  
Major Professor: Dr. Nelson Papavero.
- 1996 B.S. in Biological Sciences (with emphasis in education and Zoology), Universidade  
Federal Rural do Rio de Janeiro (Brazil) (GPA = 3.0).

### EMPLOYMENT, RESEARCH, AND TEACHING EXPERIENCE

- 2009 Research Assistant, Dr. Wayne Berisford, Dept. of Entomology, UGA.  
*Responsibilities:* Identifying Coccinellidae specimens for the Hemlock Woolly Adelgid Predator Rearing Lab.
- 2009 Teaching Assistant. Medical Entomology (ENTO 3650), Dr. Don Champagne, UGA, (Spring).  
*Responsibilities:* instruct laboratory; construct and administer exams; grade collections.
- 2008 Research Assistant. Dr. Kelly Miller, Dept. of Biology, Univ. of New Mexico.  
*Responsibility:* Performing DNA extractions, PCR and sequencing reactions, assemble and editing sequence fragments, generate Phylogenetic datasets for the Coccinellidae Project.
- 2007 Teaching Assistant. Insect Taxonomy (ENTO 4010/6010), Dr. Joseph McHugh, UGA (Fall).  
*Responsibilities:* instruct laboratory (identification of insect orders and approximately 200 families), conduct collecting trips; construct and administer exams; grade collections.
- 2006 Research Assistant. Dr. Michael Whiting, Dept. of Integrative Biology, Brigham Young Univ.  
*Responsibility:* Performing DNA extractions, PCR and sequencing reactions, assemble and editing sequence fragments, generate phylogenetic datasets for the Coccinellidae project.
- 2005 Teaching Assistant. Insect Taxonomy (ENTO 4010/6010), Dr. Joseph McHugh, UGA (Fall).  
*Responsibilities:* instruct laboratory (identification of insect orders and approximately 200 families), conduct collecting trips; construct and administer exams; grade collections.
- 2004 Research Assistant. Dr. Adam Slipinski, CSIRO, Australia.  
*Responsibility:* Dissection, illustration and description of the Chilacorini (Coccinellidae: Coleoptera) of Australia.
- 2004 Graduate Research Assistant. Dr. Joseph McHugh, Dept. of Entomology, UGA.  
to present *Responsibilities:* collect, mount, curate insect specimens (pinned, spread, alcohol collections);  
construct, curate, and coordinate the Coccinellidae collection.

- 2004 Teaching Assistant. Insects and the Environment (ENTO 2010), Dr. Karl Espelie, UGA (Spring).  
*Responsibilities:* assist students during lectures; administer and grade exams.
- 2003 Research Assistant. Dr. Lena Geise, Dept. de Zoologia, Univ. do Estado do Rio de Janeiro, Brazil.  
*Responsibility:* database zoological material for the mammal lab; organize a new facility for the fish fossil collection; incorporate fossil material (approximately 300 specimens) acquired during 2001 and 2002 expeditions to Santana Formation; assist field trips for collecting small mammals.
- 1998 Graduate Research Assistant. Dr. Nelson Papavero, Dept. de Zoologia, Univ. Sao Paulo, Brazil.  
/00 *Responsibilities:* collect, mount, curate insect specimens (pinned, spread, alcohol collections).
- 1997 Associate Researcher. Dr. Miguel Monne, Dept. de Entomology, Museu Nacional, Brazil.  
/03 *Responsibilities:* research on Cerambycidae taxonomy; curation of the Cerambycidae collection; preparation of the scientific material; mentoring undergrad students.
- 1993 Research Assistant (Undergrad level). Dr. Carlos Cruz, Dept. de Biologia Animal. Univ. Federal Rural do Rio de Janeiro, Brazil.  
*Responsibilities:* faunistic survey of the amphibians of the Tinguá Biological Reserve; curation of the amphibian collection; preparation of the scientific material; amphibian rearing.
- 1992 Teaching Assistant (Undergrad level) Introduction to Biology (BIO 2050), Dr. Roberto Xerez, Universidade Federal Rural do Rio do Janeiro, Brazil.  
*Responsibilities:* instruct laboratory; set up, prepare, demonstrate and explain various laboratory experiments; plan, prepare and deliver laboratory lectures; maintain inventory of laboratory supplies and equipment.

#### **Non degree related research and extension experience**

- 2001- Patent Examiner. Divisão de Biotecnologia, Instituto Nacional de Propriedade Industrial, Brazil.  
/02 *Responsibilities:* review patent applications; examine whether the claimed invention meets the patentability requirements such as novelty, inventive step, industrial application and sufficiency of disclosure; the work usually includes searching patent and scientific literature databases.

#### **GUEST LECTURES**

- 2004 "The comparative Method." Principles of Systematics (ENTO 8050), UGA.  
2004 "Phylogenetic software tutorial." Principles of Systematics (ENTO 8050), UGA.  
2005 "NCBI." Perl for Bioinformatics PBIO (8250), UGA.  
2000 "Amphibian collecting techniques". Introduction to Zoology (BIO 3050), UFRRJ (BR).

#### **PROFESSIONAL AWARDS AND HONORS**

- 2007 ESA John Henry Comstock Award Nominee from UGA. (National award for outstanding PhD student).
- 2007 *The Outstanding Ph.D. Student of the year.* Georgia Entomological Society (\$500).
- 2007 *First Place Photo Salon (category Microscopy).* Annual Meeting of the GA Entomological Society (\$25).
- 2007 *The H.O. Lund Outstanding Ph.D. Student of the year.* Dept. of Entomology, UGA ( \$500).
- 2007 *First Place Poster.* H. O. Lund Entomology Conference, Dept. of Entomology, UGA (\$200).
- 2006 *President's Prize Honorable Mention.* ESA meeting.

2006 *Outstanding poster presentation*. Ecology Graduate Student Symposium, UGA.

2005 *First Place Photo Salon*. H. O. Lund Entomology Conference, Dept. of Entomology, UGA (\$200).

## **RESEARCH SUPPORT/GRANTS**

2008 ICE Travel Grant Entomological Society of America (\$3,000).

2008 Graduate Student Travel Grant College of Agricultural and Environmental Sciences, UGA (\$1,000).

2007 OSU Cladistics Workshop Fellowship. Ohio State University, Columbus, OH (\$ 700).

2005 Graduate Student Travel Grant College of Agricultural and Environmental Sciences, UGA (\$700).

2005 Supplemental Matching Funds Grant. H.H. Ross Fund Memorial Foundation, GA (\$423).

2004 Graduate Student Travel Grant College of Agricultural and Environmental Sciences, UGA (\$700).

2004 Graduate Student Travel Grant College of Agricultural and Environmental Sciences, UGA (\$700).

## **PROFESSIONAL TRAINING WORKSHOPS**

2007 "OSU Cladistics Workshop" (Instructors: John Wenzel; Pablo Goloboff; Kevin Nixon). Ohio State University, July 21-26.

2007 "Building matrix trees using Lucid" (Instructor: Julia Scher, USDA), NSF Partnership for Enhancing Expertise in Taxonomy (PEET). Reaching out, sixth biennial conference. UGA, March.

2007 "Digital Illustration" (Instructor: Ralph Holzenthal, OSU), NSF Partnership for Enhancing Expertise in Taxonomy (PEET). Reaching out, sixth biennial conference. UGA, March.

2006 "Taxonomy and Classification of the Cucujoidea (Insect: Coleoptera)" (Instructor: Adam Slipinski, CSIRO). UGA, December 16-21.

2006 "Taxonomuc Databasing", (Instructor: Norman Johnson, OSU). UGA, May 8-10.

2005 "OSU Cladistics Workshop" (Instructors: John Wenzel; Pablo Goloboff; Kevin Nixon; Arnold Kluge, James Farris) Ohio State University, Columbus, OH, December 3-4.

2005 "Invasive Insect Species of Coccinellidae workshop" (Organizers: Natalia Vandenberg, USDA; Adam Slipinski, CSIRO). Smithsonian Institution, DC, May 15-18.

2005 "Historical Biogeography" (Instructor: Jorge Crisci, Museu de la Plata), NSF Partnership for Enhancing Expertise in Taxonomy (PEET). Spacial and Temporal Issues, fifth biennial conference. University of Illinois, September 20-23.

2005 "Interactive Keys" (Instructor: Peter Cranston, UC Davis), NSF Partnership for Enhancing Expertise in Taxonomy (PEET). Spacial and Temporal Issues, fifth biennial conference. University of Illinois, September 20-23.

## PUBLICATIONS

### A. Journal Articles (refereed)

**Giorgi, J. A.**, Vandenberg, J. N., McHugh, J. V., Forrester, J., Ślipiński, A., Miller, K. B., Shapiro, L. R., Whiting, M. F. The evolution of food preference in Coccinellidae. *Biological Control*. In Press.

Slipinski A. and **Giorgi, J. A.** 2006. Revision of the Australian Coccinellidae (Coleoptera). Part 5. Tribe Chilocorini. *Annales Zoologici*, 56(2): 265-304.

**Giorgi, J. A.** and Corbett, D. C. 2005. Sinôpse do gênero *Xylergates* (Cerambycidae, Lamiinae, Acanthocinini). *Iheringia, Sér. Zool.*, Mar 2005, vol.95, no.1, p.5-8.

**Giorgi, J. A.** 2001. A new genus and new species of Onciderini (Coleoptera, Cerambycidae, Lamiinae) from Peru. *Bol. Mus. Nac. Rio de Janeiro, Rio de Janeiro*, n. 417, p. 1-6.

**Giorgi, J. A.** 2001. Espécie nova de *Tibiosoma* Martins & Galileo, 1990 (Coleoptera, Cerambycidae, Lamiinae, Onciderini). *Bol. Mus. Nac. Rio de Janeiro, Rio de Janeiro*, v. 445, p. 1-3.

Julio, C. E. A.; **Giorgi, J. A.**; Monne, M. A. 2000. Os tipos primários de Cerambycidae (Coleoptera) da coleção do Museu Nacional - Rio de Janeiro. *Bol. Mus. Nac. Rio de Janeiro, Rio de Janeiro*, n. 84, p. 1-54.

**Giorgi, J. A.** 1998. Duas novas espécies do gênero neotropical *Clavidesmus* Dillon & Dillon, 1946 (Coleoptera, Cerambycidae, Lamiinae, Onciderini). *Bol. Mus. Nac. Rio de Janeiro, Rio de Janeiro*, n. 394, p. 1-4.

### B. Proceedings/Meeting Abstracts

**Giorgi, J. A.**, Shapiro, L. R., Miller, K. B., McHugh, J. V.; Whiting, M. F. Phylogeny of ladybird beetle (Coleoptera: Coccinellidae) based on molecular data. PEET VI Conference: Reaching out. UGA, Athens, GA. March 26-30.

### C. Electronic Publications

**Giorgi, J. A.**, Vandenberg, J. N. Coccinellidae: Lady beetles. <http://tolweb.org/Coccinellidae>, in The tree of life Web Project, <http://tolweb.org>

### D. In Preparation

Cave, R. D., Nguyen, R., Manrique, V., Vandenberg, N. J., **Giorgi, A. J.** *Phaenochilus* n. sp.: A new candidate for biological control of the cycad aulacaspis scale.

Vandenberg, N. J., **Giorgi, J. A.**, Obrycki J. J., Steiner, W. E., Swearingen, J. M. Amazing amphibious ladybirds (Coleoptera: Coccinellidae): a phylogenetic study of the genus *Coleomegilla* and allies.

**Giorgi, J. A.**, Nearn, E. Revision of the Genus *Lachaerus* (Cerambycidae: Coleoptera).

## PRESENTATION AT PROFESSIONAL MEETINGS

### A. Invited

**Giorgi, J. A.** Phylogeny of ladybird beetle (Coleoptera: Coccinellidae) based on molecular data. The 55th Annual Meeting of the Entomological Society of America. Section A Symposium: Connections of the Coccinellidae. San Diego, CA. December 12, 2007.

**Giorgi, J. A.** The Chilocorini tribe: an overview on some morphological features. Workshop: Invasive insect species: Coccinellidae. Smithsonian Institution, DC. May 15-18, 2005.

## B. Oral

- Slipinski, A., Tomaszewska, W., **Giorgi, J. A.** Phylogeny of Coccinellidae (Coleoptera): Are we making any progress? The 56nd Annual Meeting of the Entomological Society of America. Reno, NV. December, 2008
- Giorgi, J. A. Phylogeny of ladybird beetle (Coleoptera: Coccinellidae) based on molecular data. XXIII International Congress of Entomology. Dublin, South Africa. July 2008.
- Giorgi, J. A. Evolution of food preference in lady beetles (Coleoptera: Coccinellidae). Southeastern Branch of the Entomological Society of America. Jacksonville, FL. March, 2008.
- Giorgi, J. A. Evolution of food preference in lady beetles (Coleoptera: Coccinellidae). H. O. Lund Entomology Conference, Dept. of Entomology, UGA, GA. March, 2008.
- Giorgi, J. A. Revision on the Australian Chilocorini (Coccinellidae; Chilocorinae). H. O. Lund Entomology Conference, Dept. of Entomology, UGA, GA. March, 2005.
- Giorgi, J. A. Revision on the Australian Chilocorini (Coccinellidae; Chilocorinae). Georgia Entomological Society annual meetings, UGA, GA. March, 2005.

## C. Display

- Vandenberg, N. J., **Giorgi, J. A.**, Obrycki J. J., Steiner, W. E., Swearingen, J. M. Amazing amphibious ladybirds (Coleoptera: Coccinellidae), or how to do the six-legged breaststroke. The 56nd Annual Meeting of the Entomological Society of America. Reno, NV. December, 2008.
- Cave, R. D., Nguyen, R., Manrique, V., Vandenberg, N. J., **Giorgi, A. J.** *Phaenochilus* n. sp.: A new candidate for biological control of the cycad aulacaspis scale. The 56nd Annual Meeting of the Entomological Society of America. Reno, NV. December, 2008.
- Giorgi, J. A.**, Shapiro, L.R., Miller, K.B., McHugh, J. V. and Whiting, M.F. Phylogeny of ladybird beetle (Coleoptera: Coccinellidae) based on molecular data. PEET VI Conference: Reaching out. UGA, Athens, GA. March 26-30.
- Giorgi, J. A.**, Shapiro, L.R., Miller, K.B., McHugh, J. V. and Whiting, M.F. Phylogeny of ladybird beetle (Coleoptera: Coccinellidae) based on molecular data. H. O. Lund Entomology Conference, Dept. of Entomology, UGA, GA. March, 2007.
- Giorgi, J. A.**, Shapiro, L.R., Miller, K.B., McHugh, J. V. and Whiting, M.F. Phylogeny of ladybird beetle (Coleoptera: Coccinellidae) based on molecular data. The 54nd Annual Meeting of the Entomological Society of America. Indianapolis, IN. December, 2006.
- Giorgi, J. A.** and Slipinski, A. Revision of the Australian Chilocorini (Coccinellidae, Chilocorinae). The 53nd Annual Meeting of the Entomological Society of America. Fort Lauderdale, FL. December, 2005.
- Shapiro, L.R., **Giorgi, J. A.**, Miller, K.B., McHugh, J. V. and Whiting, M.F. Connecting the dots of ladybug evolution: a molecular phylogeny of Coccinellidae (Coleoptera). The 53nd Annual Meeting of the Entomological Society of America. Fort Lauderdale, FL. December, 2005.
- Giorgi, J. A.** and McHugh, J.V. Preliminary morphological study of *Stethorus punctum punctum* (LeConte) (Coccinellidae: Scymninae). H. O. Lund Entomology Conference, Dept. of Entomology, UGA, GA. March, 2005.

- Giorgi, J. A.** and McHugh, J.V. Preliminary morphological study of *Stethorus punctum punctum* (LeConte) (Coccinellidae: Scymninae). Georgia Entomological Society annual meetings, GA. March, 2005.
- Giorgi, J. A.** Preliminary morphological study of *Stethorus punctum punctum* (LeConte) (Coccinellidae: Scymninae). The 52nd Annual Meeting of the Entomological Society of America. Salt Lake City, UT. November, 2004.
- Giorgi, J. A.** New genus of Onciderini (Coleoptera, Cerambycidae, Lamiinae) from Peru. XXI International Congress of Entomology. Foz do Iguaçu, Brazil. 2000.
- Giorgi, J. A.** Transference of two species of *Clavidesmus* to the genus *Lachaerus* Thomson, 1868 (Coleoptera, Cerambycidae, Lamiinae). XXI International Congress of Entomology. Foz do Iguaçu, Brazil. 2000.
- Giorgi, J. A.** Revisão sistemática do gênero *Clavidesmus* Dillon & Dillon, 1946 (Cerambycidae, Lamiinae, Onciderini). XXIII Congresso Brasileiro de Zoologia. Cuiabá, Brazil. 2000.
- Giorgi, J. A.** Novo gênero de Onciderini (Coleoptera, Cerambycidae, Lamiinae). XXIII Congresso Brasileiro de Zoologia. Cuiabá, Brazil. 2000.
- Giorgi, J. A.** Nota sinonímica e descrição de uma nova espécie de *Tulcoides* Martins & Galileo, 1990 (coleoptera, cerambycidae, lamiinae, onciderini). XXII Congresso Brasileiro de Zoologia. Recife, Brazil. 1998.
- Vidal, L., **Giorgi, J. A.** and Alvarenga, C. E. Os holótipos de Cerambycidae da coleção do Museu Nacional - UFRJ. Subfamília Lamiinae. XXII Congresso Brasileiro de Zoologia. Recife, Brazil. 1998.
- Giorgi, J. A.** Duas novas espécies do gênero neotropical *Clavidesmus* Dillon & Dillon, 1946 (Coleoptera, Cerambycidae, Lamiinae, Onciderini). XVII Congresso Brasileiro de Entomologia e VII ENFIT. Rio de Janeiro, Brazil. 1998.

## **RESEARCH TRIPS**

- 2007 Univ. of New Mexico. Albuquerque, NM. July 1-22
- 2006 Brigham Young Univ. Provo, UT. June 15 to August 7
- 2006 Museu Nacional do Rio de Janeiro. RJ (BR). Dec 1-7.
- 2006 National Museum of Natural History, Washington, DC. May 28 to June 2.
- 2004 Australian Insect Nacional Collection, Cambera, Australia. August 1-15

## **FIELD TRIPS**

- 2006 Tampa, Florida, USA. June 5-7.
- 2005 Reserva Biologica Potrerillos del Guenda, Santa Cruz, Bolivia. January 05-21.
- 2004 Congaree National Park, South Carolina, USA. May 5-6
- 2003 Estacao Biologica do Bananal, Sao Paulo, BR. November 10-17
- 2003 Estacao Biologica do Bananal, Sao Paulo, BR. September 22-30.
- 2000 Ilha da Marambaia, Rio de Janeiro, BR . September 01-20.
- 1993- Estacao Biologica do Tingua, Rio de Janeiro, BR. Every each month for two days.  
95

## **MEMBERSHIP IN PROFESSIONAL SOCIETIES**

Sociedade Brasileira de Entomologia  
Conselho Regional de Biologia.  
Sociedade Brasileira de Zoologia  
Entomological Society of America  
Coleopterists Society  
Georgia Entomological Society

## **PROFESSIONAL AND SERVICE ACTIVITIES**

### **A. Committees, Societies and Clubs**

- 2007 – Student Committee. PEET VI meeting. UGA, Athens, GA. March 26-30.
- 2006 – Social Chair. UGA H. O. Lund Entomology Club, Athens, GA. .

### **B. Manuscript Reviews**

Annals of the Entomological Society of America (3)  
Revista Brasileira de Entomologia (1)  
Boletim do Museu Nacional (1)  
Zootaxa (1)  
Proceedings of the Entomological Society of Washington (1)  
United States Dept. of Agriculture (1)  
Biological Control (1)

### **C. Consultation**

Insect Identification for the Hemlock Woolly Adelgid Predator Rearing Lab, Athens, GA.

## **EXTENSION/EDUCATIONAL OUTREACH**

- 2006 Lund Club South Campus Tailgate, Athens, GA
- 2006 Insect Zoo, Dept. of Entomology at UGA, Athens, GA.
- 2007 AthFest,, Athens, GA.
- 2007 Lund Club South Campus Tailgate, Athens, GA
- 2007 Insect Zoo, Dept. of Entomology at UGA, Athens, GA.
- 2007 Insectival, Georgia State Botanical Garden, Athens, GA.
- 2008 AthFest,, Athens, GA.

2008 Lund Club South Campus Tailgate, Athens, GA  
2008 Insect Zoo, Dept. of Entomology at UGA, Athens, GA.  
2008 Entomology Study Abroad Recruitment, UGA Griffin.  
2008 Entomology Study Abroad Recruitment, Tifton Campus.  
2008- Insectival, Georgia State Botanical Garden, Athens, GA.  
2008 4-H DPA Entomology Project Regional Judge, Junior & Senior Division, Eatonton, GA.

## **CAREER GOALS**

My professional career has been, for the most part, devoted to research on systematics. My contribution to the field include papers on Cerambycidae and Coccinellidae taxonomy (species descriptions, revisionary works, lists) and Coccinellidae phylogeny. It is my career goal is to continue my research on beetle systematics. I would seek a position in a major educational institution since I have a strong believe in the importance of teaching as a tool to promote and defend science. For my teaching appointment, I am willing to teach Zoology, Insect Taxonomy, Insect Morphology and Systematics. The main focus of my future research should be on basic alpha taxonomy studies as well as more comprehensive phylogenetic studies, which would combine traditional morphology and modern molecular techniques. Future phylogenetic studies should be designed in order not only to improve classifications but also to examine evolutionary scenarios. While investigate the patters of food preference in Coccinellidae it came to my understanding that much research is need on diet preference in Coccinellidae. In the future, I intend to develop field and possibly (in collaboration), experimental studies on this subject. During my PhD I have developed a extended network that would facilitate many collaborations in the future.