

Dr. Joyce L. Fassbender, PhD

Education:

- May 2013 Doctor of Philosophy in Biology. Concentration: Ecology Evolution, Behavior, and Systematics. The Graduate Center of the City University of New York: New York, NY.
Thesis topic: Diversity, Resource Partitioning, and Species Turnover in Neotropical Saproxyllic Beetles (Coleoptera: Cerambycidae, Curculionidae) Associated with Trees in the Brazil Nut Family (Lecythidaceae).
- May 2008 Master of Philosophy in Biology. Concentration: Ecology, Evolution, Behavior, and Systematics. The Graduate Center of the City University of New York and American Museum of Natural History: New York, NY.
- May 2002 Master of Science. Concentration: Entomology. Louisiana State University: Baton Rouge, LA. Thesis topic: Biodiversity of Litter and Ground Dwelling Spiders of Mixed Mesophytic Forests in Southeast Louisiana.
- July 1997 Bachelor of Science. Concentration: Biological Sciences-Horticulture. Southeastern Louisiana University.

Employment:

- Fall 2017 - Present Instructor I, Department of Biological Sciences, Florida Gulf Coast University, Fort Myers, FL
- Spring 2015 - Summer 2017 Lecturer and Adjunct Professor of Scientific and Technological Literacy, and Biology, Iona College, New Rochelle, NY
- Fall, 2015; Summer 2009 - Fall 2014; Fall 2002 - Summer 2008 Adjunct Assistant Professor of Biology. City College of New York. New York, NY
- Spring 2013-Fall 2014; Fall 2009- Spring 2010 Adjunct Lecturer of Biology. Borough of Manhattan Community College. New York, NY
- Summer 2013; Fall 2006- Spring 2010 Bio 102 Laboratory Coordinator. City College of New York. New York, NY
- Spring - Summer 2011 Assistant developer and instructor: Blackrock Forest Teacher Workshop in ecology for New York City teachers through City Seeds program. City College of New York. New York, NY.
- Fall 2008- Spring 2009 Substitute Lecturer of Biology. City College of New York. New York, NY
- Fall 2000- Spring 2002 Student Worker: Research technician. Louisiana State Arthropod

Museum: Louisiana State University. Baton Rouge, LA

Jan. 1999- Dec. 1999 Graduate Assistant. Louisiana State University. Baton Rouge, LA

Fall 1997- Fall 1998 Student Worker: Laboratory technician. Louisiana State University. Baton Rouge, LA

Spring 1996- Spring 1997 Student Worker: Landscape maintenance. Southeastern Louisiana University. Hammond, LA

Teaching Experience:

BIO 100 – General Biology Lecture and Recitation.
Description: Human biology for non-majors.

BIO 101 – Introduction to Biology Part 1 Laboratory.
Description: Biology level 1 for majors: subjects covered included basic chemistry through cell biology.

BIO 102 – Introduction to Biology Part 2 Lecture and Laboratory.
Description: Biology level 2 for majors: subjects covered included cell biology, human biology, ecology, and evolution.

BIO 110 – General Biology Lecture and Lab.
Description: Biology of man and the environment for non-majors.

BIO 206 – Genetics Recitation.
Description: Genetics for majors.

BIO 210 – Introduction to Biology Part 1 Lecture and Laboratory.
Description: Biology level 1 for majors: subjects covered included basic chemistry through cell biology.

BIO 220 – Introduction to Part 2 Lecture and Laboratory.
Description: Biology level 2 for majors: subjects covered included cell biology, human biology, ecology, and evolution.

BIO 228 – Ecology and Evolution Lecture and Laboratory.
Description: General ecology and evolution: subjects covered included ecology, evolution, beginning statistics, and scientific writing.

BSC 1010C – General Biology with Laboratory 1.
Description: Biology level 1 for majors: subjects covered included basic chemistry through cell biology.

BSC 1011 & 1011L – General Biology 2 Lecture and Laboratory.
Description: Biology level 2 for majors: subjects covered included cell biology, human biology, ecology, and evolution.

BSC 4930 – General Entomology

Description: Survey of entomology: subjects covered included insect anatomy, systematics, identification, behavior, and curation.

MHC 20301 – Science Forward: Seminar 3

Description: Examination of contemporary issues in science and technology: included hands-on activities in the form a census of organisms, statistical analysis of data, video production, and presentation of research with scientific posters.

SCI 10000 – Honors General Biology Lecture.

Description: Honors biology for non-majors. Subjects covered included basic chemistry through cell biology, human biology, ecology, and evolution.

STL 100 – Scientific and Technological Literacy Lecture and Laboratory: Matter, Energy, Live, and Systems

Description: Subjects covered included survey of general science as well as how matter, energy, and systems apply to basic chemistry, physics, and biology

STL 125 – Scientific and Technological Literacy Lecture: Microbiology

Description: Microbiology for non-majors. Subjects covered included survey of microbes, mechanisms of disease, microbial control, and modes of infection

STL 155 – Scientific and Technological Literacy Lecture and Laboratory: Exercise Science

Description: Subjects covered included basic human anatomy and physiology, the effects of exercise on physiology, design of a personalized exercise plan to improve physical fitness; Hybrid course: partially online, partially in class

Instructor: Blackrock Forest Teacher Workshop in Ecology.

Description: included instruction for K-12 teachers on using field work in plants and insects to facilitate student understanding in natural sciences.

Spider Identification Workshop: Entomology Dept. Louisiana State University.

Description: included instruction for species level identification of spiders in Louisiana.

Professional Presentations:

2012. Co-author, non-presenter: Entomological Society of America Annual Meeting: Knoxville, TN. Symposium presentation: Host specificity, alpha- and beta-diversity of wood-boring weevils in genera from the Brazil nut family (Lecythidaceae) in French Guiana and Peru.

2011: Entomological Society of America Annual Meeting: Reno, NV. Symposium presentation: In French Guiana, Weevils Like It Wet.

2002. American Arachnological Society Annual Meeting: Riverside, CA. Presentation: Biodiversity of Litter and Ground Dwelling Spiders of Mixed Mesophytic Forests in Southeast Louisiana.

1999. Entomological Society of America Annual Meeting: Atlanta, GA. Presentation: Biodiversity of Litter and Ground Dwelling Spiders of Mixed Mesophytic Forests in Southeast Louisiana.

Professional Posters:

2014. Entomological Society of America Annual Meeting: Portland, OR. Co-author, non-presenter. What makes an Amazonian biodiversity hotspot so hot? Authors: Amy Berkov, Joyce Fassbender, Alec Baxt, and Pedro Centeno.

2011. Student Conference on Conservation Science – New York. Poster: Niche Breadth of Wood-boring Weevils in French Guiana. Authors: Joyce Fassbender, Amy Berkov, Pedro Centeno, and Alec Baxt.

2011. Graduate Student Orientation Poster Presentation. Poster: Can Insect Niches Predict Their Response to Climate Change? Authors: Joyce Fassbender, Alex Baxt, Aruna Woods, Christina Lee, and Amy Berkov.

2010. City College Academy for Professional Preparation Annual Poster Presentation. The City College of New York. Poster: Sequence Analysis of Cryptic Species and Possible Species Complex (Curculionidae: Zygops and Piazurus). Authors: Lin Li, Joyce Fassbender, and Amy Berkov.

2010. City College Academy for Professional Preparation Annual Poster Presentation. The City College of New York. Poster: Parasitoid Wasps of Wood-Boring Beetles of French Guiana. Authors: Ylli Mujaj, Joyce Fassbender, Ezair Beausoliel, Lin Li, and Amy Berkov.

Other Professional Functions:

2013, 2015, and 2016. BioBlitz Spider Expert. CUNY: Macaulay Honor's College. Duties included:
Assisting students in the collection of spiders and identification of the specimens collected.

Undergraduate Mentoring:

Lin Li. Cryptic Species and Species Complexes of Conoderinae Weevils.

Ylli Mujaj. Parasitoid Wasps of Wood Boring Beetles.

Jesse DeBella. Survey of the Diptera Community on the FGCU Campus.

Publications:

Fassbender, J., A. Baxt, and A. Berkov. (2014) Niche of Saproxylic Weevils (Coleoptera: Curculionidae) in French Guiana. *The Coleopterists Bulletin*. 68(4):689-699.