

**Gabriella R. Altmire**

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**EDUCATION**

**Bachelor of Science in Biology**; graduated with Honors; GPA 3.81 / Biology GPA 3.82

May 2019

Ursinus College, Collegeville, PA

- Minor: Environmental Studies
- Honors Thesis: *Effect of Plant Biodiversity on Insect Pests in a Forage Agroecosystem*. Advisor: Dr. Cory S. Straub

**CURRENT POSITION**

**Insect Ecology Research Technician**

October 2019-

Entomology Department, Purdue University

West Lafayette, IN

- Assisted graduate students with projects focusing on the soil microbiome, pollinators, and the cucumber beetle pest.

**PREVIOUS RESEARCH POSITIONS**

**Grasshopper Ecology Field Assistant**

August 2019-October 2019

Biology Department, University of Notre Dame

Charlo, MT

- Collected data (grasshopper, plant, soil) for various grasshopper enclosure experiments in the National Bison Range for a long-term population study.

**Plant and Insect Field Technician**

May 2019-August 2019

Biology Department, Wichita State University

Kansas State

- Sampled soil, vegetation, and insects on USDA Conservation Reserve Program grasslands across the state of Kansas to assess the effects of cattle grazing.

**Research Assistant**

August 2016-May 2019

Biology Department, Ursinus College

Collegeville, PA

- Conducted honors research project studying the effect of plant biodiversity on insect pests in a forage agroecosystem.
- Conducted insect, vegetation, and soil sampling. Identified insects and vegetation.

**Summer Research Fellow**

May 2017-July 2017

Biology Department, Ursinus College

Uppsala, Sweden

Ecology Department, Swedish University of Agricultural Sciences

- Investigated climate niches of ground predators in a barley agroecosystem via use of pitfall traps in order to predict potential implications of climate change on biological control.

**Research Assistant** January 2019-May 2019  
Environmental Studies Department, Ursinus College  
Collegeville, PA

- Designed a soil monitoring plan for the College's emerging food forest.

**Neotropical Research Student** December 2017-January 2018  
Biology Department, Ursinus College  
Costa Rica

- Studied foraging behavior of leafcutter ants, *A. cephalotes*.

### OTHER ACADEMIC AND INTERNSHIP EXPERIENCE

**Supplemental Instructor** August 2018-May 2019  
Ursinus Institute for Student Success, Ursinus College  
Collegeville, PA

- Lead group tutoring sessions for Ecology & Evolution and Cell Biology.

**Biology Tutor** January 2016-May 2019  
Ursinus Institute for Student Success, Ursinus College  
Collegeville, PA

- Tutored students in Ecology & Evolution and Cell Biology.

**Teaching Assistant, Animal Behavior** January 2019-May 2019  
Biology Department, Ursinus College  
Collegeville, PA

- Assisted with field and laboratory experiments on gray squirrel and red-backed salamander behavior; salamander care; data entry and management.

**Teaching Assistant, Ecology & Evolution** August 2018-December 2018  
Biology Department, Ursinus College  
Collegeville, PA

- Assisted with field experiments on plant biodiversity and laboratory experiments on antibiotic resistance.

**Research Assistant** January 2019-May 2019  
Sociology Department, Ursinus College  
Collegeville, PA

- Analyzed the passing of Pennsylvania House Bill regarding environmental activism using modern labeling theory.

**Medical Shadowing Intern** August 2017-December 2017  
John Traverso, DO  
Ridley Park, PA

**Pre-Med Volunteer Program Member** August 2017-December 2017  
Penn Presbyterian Medical Center  
Philadelphia, PA

### AWARDS AND HONORS

Outstanding Student Research in Biology Award, Ursinus College (2019)

Phi Beta Kappa (2019)

Beta Beta Beta (2017)

## PRESENTATIONS

- Altmire, G.A.,** C. Usowski, and C. Straub. 2019. Plant Biodiversity and Insect Pests in a Forage Agroecosystem. (Oral presentation). Ursinus College Celebration of Student Achievement, Collegeville, PA, April 25.
- Altmire, G.A.,** A. Bailey, J. Cammarano, and J Heimbaugh. 2019. Ecological Monitoring at WERS Food Forest: Methodology and Future Implications. (Oral presentation). Ursinus College Celebration of Student Achievement, Collegeville, PA, April 25.
- Altmire, G.A.,** C. Usowski, and C. Straub. 2018. Effect of plant diversity on insect pests and their predators in a forage agroecosystem. (Poster presentation). Entomological Society of America Annual Meeting, Vancouver BC, Canada, November 12.
- Altmire, G.A.,** C. Usowski, and C. Straub. 2018. Effect of plant diversity on potato leafhopper and thrips in a forage agroecosystem. (Oral presentation). Ursinus College Summer Fellows Symposium, Collegeville, PA, July 20.
- Altmire, G.A.,** A. Bailey, M. Jonsson, and C. Straub. 2017. Determination of thermal niche for a ground dwelling predator (*Bembidion spp.*) in barley fields. (Poster presentation). Ursinus College Summer Fellows Symposium, Collegeville, PA, July 21.

## ACADEMIC MEMBERSHIPS AND VOLUNTEER EXPERIENCE

- Ursinus College United Students Against Sweatshops (2018-2019)
- Ursinus College Democrats (2018-2019)
- Ursinus College Environmental Action (2017-2018)
- Ursinus College Best Buddies (2017-2018)
- Chenoa Manor Animal Sanctuary Volunteer (2019)
- Greensgrow Farms Volunteer (Fall 2017)

## PROFESSIONAL MEMBERSHIPS

- Ecological Society of America
- Entomological Society of America