

# **Lizabeth Rubi Herrera**

## Curriculum Vitae

### **OFFICE ADDRESS**

Department of Entomology, 319 Agri Building  
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### **EDUCATION:**

- Present M.S. Candidate, Entomology, University of Arkansas, Fayetteville, AR  
Thesis: Monitoring and exclusion of *Drosophila suzukii* on fruit crops and wild hosts  
Anticipated graduation date: December 2017  
Advisor: Dr. Donn T. Johnson
- 2015 B.S. in Wildlife Management, Emphasis on certified Wildlife Biologist, Tarleton State University, Stephenville, TX

### **RESEARCH EXPERIENCE:**

- 2016 **Graduate assistantship, University of Arkansas**  
*Fruit and Nut Entomology Laboratory, Department of Entomology*  
Assist in monitoring for invasive insect and mite species in fruit systems, design and implement exclusion of spotted wing drosophila, collect and identify life stages of spotted wing drosophila, manage organic blackberry crops
- 2015 **Undergraduate research project, Tarleton State University**  
*Ectoparasites of small mammals*  
Studied the ectoparasites of raccoons, opossums, and skinks by using pre-baited traps. Specimens were collected and identified and compared among the different mammal species.
- 2015 **Assistant to graduate student, Tarleton State University**  
*Texas horned lizard conservation for graduate student's Master thesis*  
Monitored lizard location using radio telemetry and created artificial habitats around ant mounds to provide food sources

### **EMPLOYMENT**

- 2016 **Insects, Science, and Society Lab, University of Arkansas**  
*Teaching Assistant*  
Prepared educational presentations and activities for weekly lab section, created and maintained respectable student-teacher relationships, planned activities such as collecting trips to increase student involvement

2012-2015 **HEB Grocery Company, Cashier**

Maintained a high level of excellent customer service while processing orders quickly, trained new employees through every expectation of being a good cashier, monitored the service department to ensure highest quality of service and cleanliness, adapted to different departments when help was needed

**CONFERENCE PARTICIPATION**

- 2017 Bumpers College Honors Student Board Research Poster Competition  
Title: Seasonal movement, landscape monitoring and exclusion of spotted wing drosophila
- 2017 Horticulture Industries Show (presentation)  
Title: Seasonal movement and exclusion of spotted wing drosophila
- 2016 Arkansas Entomological Society Meeting, Fayetteville, AR (presentation)  
Title: Monitoring and exclusion of *Drosophila suzukii* on fruit crops and wild hosts
- 2016 International Congress of Entomology-Entomological Society of America (presentation)  
Title: Monitoring and exclusion of *Drosophila suzukii* on fruit crops and wild hosts

**PROFESSIONAL CERTIFICATION AND MEMBERSHIP**

- 2017-Present Arkansas Pesticide Application Certification: Research and Development
- 2016-Present Entomological Society of America
- 2014-2015 Texas Chapter of the Wildlife Society
- 2014-2015 Alpha Zeta-Texas Gamma Chapter
- 2014-2015 Sigma Alpha Pi, Tarleton State University
- 2013-2015 Tarleton Student Chapter of the Wildlife Society

**EXTRACURRICULAR UNIVERSITY SERVICE**

- 2016-2017 Isely-Baerg Entomology Club, UoA, Treasurer
- 2015-2017 Isely-Baerg Entomology Club, UoA, Member
- 2014-2015 Alpha Zeta-Texas Gamma Chapter, Webmaster, Student Government Association representative

**COMMUNITY OUTREACH AND ACTIVITIES**

- 2017 "All About Bugs!" Presentation at Early Childhood Center, Springdale, AR
- 2017 Brownie Scout Troop Bug Badge Activity, Siloam Springs, AR
- 2016 Daisy and Brownie Scout Troop Bug Badge Activity, Fayetteville, AR
- 2016 Arkansas Insect Festival volunteer, Fayetteville, AR
- 2016 Woolsey Wet Prairie Sanctuary BioBlitz, Fayetteville, AR
- 2016 4-H O-Rama Insect Talks, Senior Division, Judge, Fayetteville, AR
- 2016 Alan T. Busby Farm Field Day, Organic Management of Spotted Wing Drosophila Jefferson City, MO
- 2015 Northwest Arkansas Emergency Preparedness Fair, Bentonville, AR
- 2015 Razorbash 2015, Entomology Booth
- 2014 Texas Waterfowl Brigades, Tennessee Colony, TX
- 2014 Rolling Plains Quail Research Ranch Bug Days, Rotan, TX

## **RELATED PROFESSIONAL SKILLS**

Experience monitoring invasive insect pests in fruit systems  
Knowledge of IPM in fruit systems  
Knowledge of organic management of blackberries  
Collecting and identifying insect and plant specimens  
Experience with greenhouses and high tunnels  
Experience in field and laboratory work

## **COURSE EXPERIENCE**

Insect Taxonomy  
Insect Morphology  
Insect Physiology  
Principles of Experimentation  
Insect Ecology  
Seminar: Current Horticulture Research  
Integrated Pest Management  
Fruit Production Science and Technology  
Seminar: Insect Communication

## **REFERENCES**

### **Dr. Donn T. Johnson, Professor, Fruit and Rice Entomology**

Department of Entomology  
University of Arkansas  
Tel: 479-575-2501  
Email: [dtjohnso@uark.edu](mailto:dtjohnso@uark.edu)

### **Barbara Lewis, Program Associate II**

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University of Arkansas  
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### **Dr. Elena Garcia, Professor, Fruit Crops**

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