

Jessica Christine Webb

Curriculum Vitae

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EDUCATION

PhD Entomology Sept. 2019- Current
University of California-Riverside, Riverside, California

Bachelor of Science: Biology Minor: Chemistry May 2019
Jackson State University, Jackson, Mississippi

- Cum Laude

RELATIVE EXPERIENCE

University of California Riverside *Beekeeping Assistant* May 2019- October 2019
Responsibilities: Assist in splitting colonies, assess and treat diseased colonies (varroa, nosema), collect and process honey, capture wild swarms, assemble bee boxes for new colonies, provide nutrition based on colony needs, keep records of colony health, artificially inseminate queens

Mississippi Museum of Natural Science *Volunteer Lab Technician* August 2018 – April 2019
Responsibilities: Prepare, label and organize collections, pin insects, assist with identification using dichotomous keys of invertebrate specimen including crawfish, moths, cicadas and beetles

NOAA Center for Coastal and Marine Ecosystems *Undergraduate Scholar*
“Evolution of mitochondrial genome rearrangements in talitrid amphipods” (Arthropoda: Crustacea)” Jackson State University, Department of Biology, Marine Science Program, Jackson, Mississippi. August 2018 – May 2019
Responsibilities: Assist with study design, collection of samples, DNA extraction, primer design, PCR(Polymerase Chain Reaction), gel electrophoresis, Sanger, SMART and Illumina sequencing gene annotation and data analysis

NSF Research Experience for Undergraduates

“Effects of seed mix diversity in restored prairies on the abundance and diversity of pollinators” W.K. Kellogg Biological Station, Department of Integrative Biology, Hickory Corners, Michigan. June 2018 – August 2018,
Responsibilities: Design project, net and identify pollinators in restored prairie sites, pin pollinator specimens, identify prairie wildflowers, develop collection method for crab spiders, analyze data using R

NOAA Center for Coastal and Marine Ecosystems *Undergraduate Scholar*

“Temporal dynamics of macroinvertebrate communities associated with sand beach and seagrass habitats of Navarre Beach, Florida” Jackson State University, Department of Biology, Marine Science Program, Jackson, Mississippi. August 2017 – May 2018

Responsibilities: Assist with study design, collection of benthic samples from sand beaches and seagrass habitats in Florida (Navarre and Pensacola), sorting and identifying benthic invertebrates, and analysis of data

PRESENTATIONS

- **Jessica Webb, S. R. Griffin.** “Effects of seed mix diversity in restored prairies on the abundance and diversity of pollinators”. AAAS Emerging Researchers National Conference. February 22, 2019. Washington, DC. (Poster)
- **Jessica Webb, S. R. Griffin.** “Effects of seed mix diversity in restored prairies on the abundance and diversity of pollinators”. Undergraduate Research Symposium. August 1, 2018. Hickory Corners, Michigan. (Poster)
- **Jessica Webb.** “Effects of seed mix diversity in restored prairies on the abundance and diversity of pollinators”. Jackson State University, Seminar in Biology, Invited Speaker. September 26, 2018. Jackson, Mississippi. (Oral)

OUTREACH & SERVICE

- Virtual Girl Scout Presentation Coordinator** University of California Riverside 2020
- Develop curriculum during COVID-19 pandemic for virtual presentations for Girl Scouts to educate them on what entomologist do and what insects are
- “Camp Highlander”** University of California Riverside 2020
- Week long camp dedicated to teaching k-12 children about entomological research. Insects and their importance
- “Girderness”** San Bernardino, California 2019
- Help girl scouts become comfortable around insects, by teaching them to handle them properly and educating them on entomologic conservation efforts
- “Cal Poly Insect Fair”** California State Polytechnic University, Pomona 2019
- Allow public to hold a variety of insects while educating them on the insect’s diet, habitat, etc, raise awareness of the career possibilities in entomology

- “Zoo Olympics”** Jackson Zoological Park 2019

 - Share information about animals with the public and play education games with kids
- Touch Tank and Education Docent**, Mississippi Museum of Natural Science 2018

 - Handle live marine and terrestrial invertebrates, learn and share information with the public, present demonstrations, provide hands on educational activities, assist with animal care, greet and guide visitors
- “Park after Dark”** Mississippi Museum of Natural Science 2018

 - Handle live animals, educate the public and debunk fears on common creatures including scorpions, spiders and snakes, share information on animal safety
- Mississippi Science Fest** Jackson, Mississippi 2018

 - Help give demonstration on the structure of water to kids, greet visitors, guide visitors to exhibits, help with set up and clean up

ORGANIZATIONS

- **UCR Entomology Graduate Student Association**, 2019- present
 - ❖ Outreach Committee representative, present
- **Beta Beta Beta Biological Honor Society**, Sigma Epsilon Chapter, 2018- 2019
- **Jackson State University Biological Society**, 2017-2019
 - ❖ Charter Member & Historian
- **Lambda Sigma National Honor Society**, Beta Xi Chapter, 2015-2016
 - ❖ Community Service and Fundraiser Committee
- **Sigma Tau Delta National English Honor Society**, Kappa Omicron Chapter, 2019

AWARDS & SCHOLARSHIPS

- **UCR’s Dean’s Distinguished Fellowship Award**: September 2019-current
- **Center for Coastal and Marine Ecosystems Undergraduate Research Fellowship Award**: August 2017 - 2019
- **Jackson State University First in the World Multi-Disciplinary Research Team**: August 2016 – May 2017
- **BMBC Church Excellence in Education Scholarship**: 2015, 2016, 2017, 2018, 2019
- **Jackson State University’s Urban & Leadership Scholarship**: 2015- 2019