

Anna W. Paraskevopoulos

University of Colorado, Boulder
Department of Ecology & Evolutionary Biology
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Education

University of Colorado, Boulder PhD student: Ecology & Evolutionary Biology Advisor: Dr. Julian Resasco	2020-current
Cameron University Bachelor's Degree: Biology Concentration: Organismal Biology	2017-2019
University of California, Davis	2012-2013

Manuscripts

- Roeder, K.A., Prather, R.M., **Paraskevopoulos, A.W.**, Roeder, D.V. 2020. The economics of optimal foraging by the red imported fire ant. *Environmental Entomology*, 49(2):304-311.
- Roeder, D.V., **Paraskevopoulos, A.W.**, Roeder, K.A. 2022. Thermal tolerance regulates foraging behaviour of ants. *Ecological Entomology*, 1– 8. <https://doi.org/10.1111/een.13118>
- Paraskevopoulos, A.W.**, Catano, C.P. Brudvig, L.A. 2023. Ant and plant diversity respond differently to seed-based prairie restoration. *Restoration Ecology*, 31: e13853. <https://doi.org/10.1111/rec.13853>
- Mullins, J.L., **Paraskevopoulos, A.W.**, Pittman, C., Burrows, S.J., Resasco, J. New records of gynandromorphism in *Heriades* and *Dianthidium* and images of the first reported *Dianthidium* gynandromorph (Hymenoptera: Megachilidae). *Journal of the Kansas Entomological Society*. *Submitted*.
- Paraskevopoulos, A.W.**, Sanders, N.J., & Resasco, J. Temperature-driven homogenization of an ant community over 60 years in a montane ecosystem. *Ecology*. *In prep*.
- Roeder, D.V., **Paraskevopoulos, A.W.**, Roeder, K.A. Temporal plasticity of thermal tolerance in ants: short and long-term fluctuations with temperature. *Ecology*. *In prep*.

Reviewer

Insectes Sociaux

Research Experience

University of Colorado, Boulder – Department of Ecology and Evolutionary Biology

Advisor: Dr. Julian Resasco

Pikes Peak Plant-Pollinator Networks	2020-current
Temperature-driven homogenization of an ant community over 60 years in a montane ecosystem	2020-2023
Linking species distributions and thermal physiology to understand climate change impacts on ants	2021-current

Michigan State University (REU) – Department of Plant Biology

Supervisor: Dr. Lars Brudvig

Ant community response to tallgrass prairie restoration: do ants respond the same as plants?	2019
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Cameron University – Department of Agriculture, Biology, and Health Sciences

Supervisor: Dr. Diane Roeder

Temperature regulates foraging behavior and net energy gain in the Red Harvester Ant, <i>Pogonomyrmex barbatus</i> – Research Lead	2017-2019
Variation of leg length within and among colonies of the Red Harvester Ant, <i>Pogonomyrmex barbatus</i> – Research Lead	2018-2019
The economics of optimal foraging by the red imported fire ant, <i>Solenopsis invicta</i> – Research Assistant	2018-2019
Isotopic variation across populations of differing sizes in the Red Harvester Ant, <i>Pogonomyrmex barbatus</i> – Research Assistant	2018
Annual variation in thermal tolerance in the Red Harvester Ant, <i>Pogonomyrmex Barbatus</i> – Lab Assistant	2018
Ants of Oklahoma – Lab Assistant	2017

Professional Experience

Research Technician 2020

University of Colorado, Boulder – Department of Ecology and Evolutionary Biology

Supervisor: Dr. Julian Resasco, Assistant Professor

- Lead for the Pikes Peak Pollinator Network project
- Assisted technicians in plant identification, data and insect collection in field
- Mounting and identification of collected insects

Biological Science Technician 2018

U.S. Fish & Wildlife Service – Wichita Mountains Wildlife Refuge

Supervisor: Dan McDonald, Wildlife Biologist

- Avian diversity surveys, plant species surveys, deer surveys
- Wildlife management including controlled deer and elk hunts, annual bison blood sampling, and conservation of the endangered Black-capped Vireo
- GPS data collection and ArcGIS data management
- Identification, management, and control of infestations of invasive plant species through mechanical and chemical methods

Biological Science Technician

2017

American Conservation Experience – Wichita Mountains Wildlife Refuge

Supervisor: Dan McDonald, Wildlife Biologist

- Identification, management, and control of infestations of invasive plant species through mechanical and chemical methods

Field Experience

Oklahoma Bobcat Project – Field Volunteer

2019-2020

Oklahoma State University, Supervisor: Nathan J. Proudman

Deployed and maintained hair-snare cubbies as part of a statewide monitoring program

Longspur Distributions in Oklahoma – Field Volunteer

2019

University of Oklahoma, Norman, Supervisor: John Muller

Assisted in mist netting Chestnut-collared Longspurs for a study looking at the daily and seasonal movement of these birds

Presentations

Ecological Society of America: Montreal, Canada – Talk

2022

Ant community shifts over 60 years in a montane ecosystem

Center for Sustainable Landscapes and Communities, Webinar – Invited Talk

2021

Ant species distributions in Gregory Canyon, CO

Research Day at the Capitol: Oklahoma City, OK – Talk/Poster

2019

Temperature regulates foraging behavior and net energy gain in the Red Harvester Ant,

Pogonomyrmex barbatus.

2nd place, Regional University category

Southwestern Association for Naturalists: San Marcos, TX – Talk

2018

Temperature regulates foraging behavior and net energy gain in the Red Harvester Ant,

Pogonomyrmex barbatus.

National Conference on Undergraduate Research: Edmond, OK – Talk

2018

Temperature regulates foraging behavior and net energy gain in the Red Harvester Ant,

Pogonomyrmex barbatus.

Oklahoma Academy of Science: Claremore, OK – Talk

2017

Temperature regulates foraging behavior in the Red Harvester Ant, *Pogonomyrmex barbatus*.

Grants & Fellowships

Graduate and Professional Student Government Travel Grant - \$300	2023
UROP Student Individual Grant (with Bekka Shupe) - \$3,000	2022
UROP Team Grant (with Julian Resasco) - \$3,000	2022
EBIO Research Grant - \$2,175	2021
CU Museum of Natural History Student Research Award - \$1,100	2021
Open Space & Mountain Parks Grant - \$2,400	2021
Beverly Sears Graduate Students Grant - \$1,000	2020
National Science Foundation Graduate Research Fellowship - \$138,000	2020

Teaching

General Biology II Lab (EBIO 1240) – Teaching Assistant <i>University of Colorado, Boulder – Department of Ecology & Evolutionary Biology</i>	2021
Zoology Lab (BIOL 2154L) – Teaching Assistant <i>Cameron University – Department of Agriculture, Biology and Health Sciences</i>	2019

Service

Volunteer Naturalist <i>Boulder County – Parks and Open Space</i>	2023
Wildlands Restoration Volunteers	2022-current
Graduate Student Representative <i>University of Colorado, Boulder – Department of Ecology & Evolutionary Biology</i>	2022
Social Committee <i>University of Colorado, Boulder – Department of Ecology & Evolutionary Biology</i>	2021-current
Colloquium Committee <i>University of Colorado, Boulder – Department of Ecology & Evolutionary Biology</i>	2021-current
Diversity, Equity, and Inclusion in STEM <i>University of Colorado, Boulder – Department of Ecology & Evolutionary Biology</i>	2020-2021

Biology Club <i>Cameron University – Department of Agriculture, Biology and Health Sciences</i> Vice President & Student Government Association Representative (2019-2020) Secretary & Student Government Association Representative (2018-2019)	2017-2019
Wichita Mountains Wildlife Refuge (volunteer – 1100 hours) <i>U.S. Fish & Wildlife Service</i> Plant and animal species surveys, visitor services, ArcGIS data management, maintenance, youth educational programs	2016-2019
Gold Country Wildlife Rescue Assisted veterinary technicians in handling and care of animals	2016

Professional/Honor Societies

Entomological Society of America	2020-2022
Ecological Society of America	2019-2022
Beta Beta Beta Biological Honor Society President & Student Government Association Representative (2018-2019)	2018-current
Southwestern Association of Naturalists	2018-2019
Oklahoma Academy of Science	2017-2018

Awards & Honors

Convocation: nominated gonfalon carrier Cameron University – Department of Agriculture, Biology, and Health Sciences	2019
Research Day at the Capitol Cameron University nominated representative 2nd place – Regional University & Community College Category	2019
Outstanding Undergraduate Paper in Biological Science Oklahoma Academy of Science Technical Meeting	2017
President's Honor Roll 4.0 GPA for full-time students at Cameron University	2017-2019

Professional Meetings Attended

Ecological Society of America, August 2022, Montreal, Canada.
Entomological Society of America, November 2021, Denver, CO.

Entomological Society of America, November 2020, Virtual.

Colorado Pollinator Summit, November 2020, Virtual.

Oklahoma Academy of Science Technical Meeting, November 2019, Edmond, OK.

Research Day at the Capitol, March 2019, Oklahoma City, OK.

Southwestern Association for Naturalists, April 2018, San Marcos, TX.

National Conference on Undergraduate Research, April 2018, Edmond, OK.

Oklahoma Academy of Science Technical Meeting, November 2017, Claremore, OK.

Other Qualifications

ATV/UTV Safety Training	2017
U.S. Fish & Wildlife Service	
Certified Pesticide Applicator	2017
Oklahoma Department of Agriculture, Food and Forestry	