

# BRUTUS BUCKEYE

Columbus, Ohio | (555) 555-5555 | BuckeyeB@osu.edu | [www.Linkedin.com/in/brutus-buckeye](http://www.Linkedin.com/in/brutus-buckeye)

---

## Education:

---

**The Ohio State University, Columbus, Ohio**

**05/2024**

**Ph.D. Student, Dept. of Environmental Conservation**

*Advisors: Dr. A. Griffin, Dr. Wexner, & Dr. R. Day*

## Honors, Awards and Grants:

---

- |  |             |
|--|-------------|
| • <b>UMass Eco Travel Grant - \$300</b>  | <b>2023</b> |
| • <b>TWS Biological Diversity Working Group Travel Grant- \$250</b>                | <b>2022</b> |
| • <b>High Country News Magazine National Park Photography Contest</b>              | <b>2021</b> |
| • <b>TTABSS Warren B. Silverman Memorial Award – Oral Presentation - 2nd Place</b> | <b>2021</b> |

## Research Interests:

---

Diverse set of research interests including: spatial ecology of mammals, avifauna, and herpetofauna; connectivity studies using graph and/or circuit theories; desert ecology; Sonoran Desert natural history; arid lands ecology; social-ecological systems; conservation biology; fire ecology; applied ecology

## Research Techniques & Technology Skills:

---

- Experimental Design
- GPS and Compass
- Microsoft Word, Excel and PowerPoint
- Program R statistics and spatial data analysis
- ArcGIS 10.1 and 10.2

## Professional Experience:

---

**Department of Environmental Conservation, The Ohio State University, Columbus, Ohio** **08/2016-05/2017**

### Graduate Research Assistant

- Researched Sonoran Desert Connectivity Landscape
- Studied the connectivity patterns for 20 different species of amphibian, birds, and mammals
- Used graph and circuit theory to model landscape connectivity
- Served as teaching assistant for undergraduate field biology classes

**Department of Biology, The Ohio State University, Columbus, Ohio**

**01/2018-05/2018**

### Teaching Assistant

- Functioned as Teaching Assistant for all Introductory Biology classes - Science Majors (Bio 110): Lead discussion sections with active learning exercises and traditional assignments.
- Asked to serve as Lead Presenter and Course Developer, for the Intro & Refresher course: Introduction to Data Handling and Analysis in R. Half Day workshop presented to the Department of Environmental Conservation. January 19, 2018.

## Invited Symposia:

---

Buckeye, B., 2017. Nested Connectivity Models to Resolve Management Conflicts and Promote Climate Change Resilience Using Mule Deer and American Bullfrogs in the Sonoran Desert as Study System. Climate-Wise

Connectivity: How to Plan and Implement. The 24th Annual Conference of the Wildlife Society. Albuquerque, NM. September 23-27.

## Publications & Presentations

---

Buckeye, B., 2022. Nesting connectivity models to resolve management conflicts of isolated water networks in the Sonoran Desert. *Ecosphere* 8(1): e01647. 10.1002/ecs2.1652

Do the Genetics 101: Matching Techniques and Technologies to Research Questions in Wildlife Genetics. September 27, 2022. The Wildlife Societies 27th Annual Conference. Albuquerque, NM.

Buckeye, B., 2022. Graph-Theoretic Approaches to Connectivity and Dynamic Spatial Processes. The Second Annual Environmental Conservation Graduate Student Symposium. The Ohio State University, Columbus, OH. 01-26-27.

## Additional Training

---

- NPS Operational Leadership Training **5/2016**
- Wildland firefighter trained

## Professional Organizations &Activities:

---

- Ad-hoc reviewer: Amphibia-Reptilia **2017-present**
- N-Gen: **Next Generation Sonoran Desert Researchers** **2017-present**

## Faculty References

---

**William Thompson**, Associate Professor of Environmental Science  
The Ohio State University, Columbus, Ohio  
(614) 823-0000 | Wthompson.1@osu.edu

**Scarlet Gray**, Associate Professor of Environmental Science  
The Ohio State University, Columbus, Ohio  
(614) 832-0001 | sgray@osu.edu

**Woody Hayes**, Associate Professor of Environmental Science  
The Ohio State University, Columbus, Ohio  
(614) 832-0002 | whayes@osu.edu

**Jesse Owens**, Assistant Professor of Environment Science  
The Ohio State University, Columbus, Ohio  
(614) 832-0002 | jowens@osu.edu