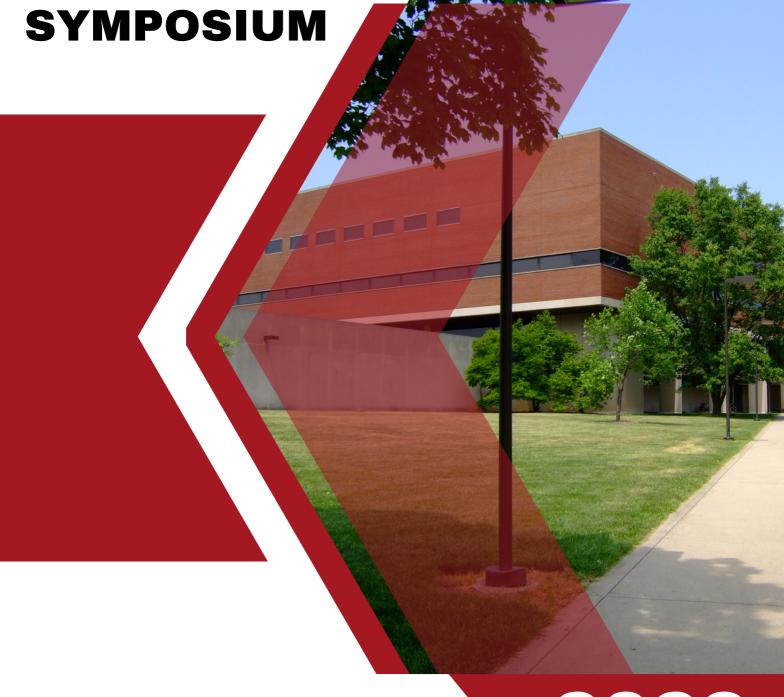
SCHOOL OF ENVIRONMENT AND NATURAL RESOURCES



https://u.osu.edu/senrsrs/ #SENRStudentResearchSymposium 2023

SCHEDULE OF EVENTS

8:00 - 9:00am Registration/sign in, poster set up, coffee and breakfast

<u>9:00 - 9:10am</u> Opening remarks

9:10 - 9:30am Keynote presentation by Dr. Eric Toman

9:30 - 10:45am Oral Presentations

9:30am | Courtney Anderson*, Amelia Zuckerwise, Robert Wallace, Guido Ayala, Maria Viscarra, Oswald Schmitz: Felid species presence and differential response to varying levels of human activity in the Madidi National Protected Area, Bolivia

9:45am | John Brett*: Comparison of Methods for Measuring Tree Crown Volume and Surface Area **10:00am | Ryan Wagner*:** Demographic Responses of the Common Mudpuppy to TFM exposure in the Great Lakes Region.

10:15 - 11:00am: Poster Presentations, Refreshments, Booths

11:00am - 12:00pm Oral Presentations

11:00am | Sarah Francino*, Matthew Davies: Understanding Factors Controlling Fruit Productivity in Wild Pawpaw Patches

11:15am | Airianna McGuire*, Dr. Mackenzie Miller, Dr. Konrad Dabrowski: An Evaluation of Tau Across Various Temperatures in Zebrafish (Danio Rerio)

11:30am | Marissa Roseman*: Genomic Consequences of Population Isolation in Timber Rattlesnakes

11:45am | Lily Mank*, Yun Yi Amelie Thomas, Natalie Dugan: The Power of Nature: Examining Impacts of a Nature Photography Program on Trauma Recovery in Adolescents

12:00 - 1:00pm: Lunch, Poster Presentations, Booths

1:00 - 1:45pm Oral Presentations

1:00pm | Keely Fisher*, Dr. Kristi S. Lekies, Valerie Hura, and John Rodi: Community and Learning in Nature: Exploring the Benefits of Long-Term Participation in a Youth Outdoor Adventure Recreation Program

1:15pm | Brian R. Tsuru*, Elizabeth Ames, Christopher M. Tonra: Post-breeding Ecology in the Prothonotary Warbler - Evaluating trade-offs between breeding, molt, and migration phenology 1:30pm | Anna Rose*, Dr. Christopher Tonra: Spatial Habitat Selection in Wintering White-throated Sparrows

1:45 pm Closing remarks, award judging 2:00 pm Awards given

*Denotes the author giving the oral presentation.

Awards

Oral award:

William J. Mitsch Best Oral Presentation award, given by Davey Resource Group, Inc.

Poster awards:

ODNR Division of Forestry Undergraduate Research Award and ODNR Division of Forestry Graduate Research Award

Scan for Abstracts



POSTER PRESENTATIONS

8:00 - 9:00am: Poster Set Up and Presentations

10:15 - 11:00am: Poster Presentations 12:00 - 1:00pm: Poster Presentations

2:00pm: Poster Take Down

Shanvanth Arnipalli*: Maternal Socialization Goals in Hong Kong and U.S. Families Shaped by Adoption of Socialization Goals and Sources

Ningzhu Bai*: Assessing impacts of White-tailed deer (Odocoileus virginianus) aggressive behaviors on the efficacy of 4-poster device

Margaret Borders*, Brian Slater, Nick Basta: "These are the skills we need in our major": bringing digital soil mapping skills to non-soils undergraduate environmental science students through urban soil and ecosystem restoration

Cade Capper*: Bioretention cells as reproductive habitat for monarch butterflies in urban areas

Adriana Dacres*: Assessing the influence of environmental gradients and forest composition on the soil carbon content

Austen Dixon*: Survival and Establishment of Pawpaw (Asimina triloba L. Dunal) and its effects on Oak-Hickory Regeneration

Alexis Doerger*, Stephen Matthews, Laura Kearns, Christopher Tonra, Matthew Shumar, Molly McDermott, Bryce Adams: Understanding the factors behind cerulean warbler abundance in an Appalachian hardwood forest

Ziyu Dong*: Effects of Physiography and Fuel Characteristics on Fire Behavior

Jess Dong*, Stephen Matthews, Bill Peterman, Matthew Shumar, Pail Rodewald: Do Species Functional Traits Mediate the Effects of Climate Change and Land-Cover-Land-Use on Bird Occurrence Across Ohio, USA?

Josephine Duffy*, Matt Davies: Use of native vegetation in mine reclamation - effects on soil health indicators

Dylan Darter*, Bob Gates: Wild Turkey (Meleagris gallopavo) Population Ecology and Management in Ohio

Aaron Giganti*, Rocky Smiley: Storm-Driven Changes in Dissolved Oxygen and Primary Production in Agricultural Headwater Streams

Marcos Gimenez Diaz*, Matt Davies, Simon Power: Species distribution model for invasive cheatgrass (Bromus tectorum L.) in relation to environmental gradient variations and disturbances in the western United States.

*Denotes the author giving the poster presentation.

Ashani Hangawatte*, Danielle Dillard, Risa Pesapane: Investigating mite diversity and associated epidemiological risk factors in Giant kangaroo rats in Carrizo Plain, San Joaquin Desert.

Azmiri Jalil*, Robyn S Wilson: Peer-to-Peer Networks and Conservation Practice Adoption MK Klenkar*, Matt Davies, Kirsten Packer: Plant community response to management in an invaded eastern hardwood forest.

Rosemary Koontz*, Kristin Mercer, Cornelia Pinchot, Charles Flower, Nancy Hayes-Plazolles, Kirsten Lehtoma, Stephen Matthews: Evaluating phenological variation of DED-tolerant American elm to inform landscape level restoration opportunities.

Matthew Lincicome*, Mažeika Patricio Sulliván, Jason R. Bohenek: Predator-prey interactions of largemouth bass in response to artificial lighting at night and turbidity

Aidan McCarthy*, William E. Peterman: Fall 2022 Survey Results of an Endangered salamander, Aneides aeneus, in Ohio

Monika Moreu Vicente*, Matthew Davies: Controls on wildfire behavior in traditionally managed northern European heathlands

Jen Myers*, Andrew Hoffman, Bill Peterman: Assessing the influence of historic land use and current habitat features on site occupancy by Sistrurus catenatus.

Grant Ravary*, Bill Peterman and Bob Gates: A Multiscale Landscape View on Ring-necked Pheasant Habitat Connectivity

Peter Renz*, Richard Dick: Development of a novel Soil Health/Quality Model Based on Soybean Yield Data from Ohio Farm Field Sites

Justin Chaffin*: The influence of experimental design on the results of nutrient limitation experiments

Elizabeth Sakulich*, James P. Strange: Effects of landscape isolation on bumble bee population genetics

Charlotte Solomon*, Richard Dick, Nicola Lorenz: Multi-Substrate and Single-Substrate Soil Enzyme Activity Assays as Soil Quality Indicator for Long-Term Soil Tillage and Crop Rotation Management in Ohio

Andrea Spurck*, Robert Gates, Brendan Shirkey: Modeling Future Winter Waterfowl Distribution in Ohio and the Great Lakes Region

*Denotes the author giving the poster presentation.

HUGE THANK YOU TO OUR SPONSORS



























COMMITTEE

The committee organizing this event is entirely composed of SENR graduate students.

Chairs: Abby Thiemkey and Allison Williams Fundraisers: Tyler Johnson, Jess Dong, Kimberly Ordonez Communications: Zoe Korpi and Andrea Spurck

Social Media: Ashlyn Halseth

Moderators: Dylan Darter, Kimberly Ordonez

Share pictures of our event with the following hashtag! #2023SENRResearchSymposium