

**Permit 2021-005**

Name:

Katherine Karkosiak

Department or Organization:

Biology

Email Address:

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Are you requesting renewal of a previously approved permit applicaton?

No

Type of activities at The University of Akron Field Station and Bath Nature Preserve  
Research

Title of project or class name and course number:

Egg sac properties

Date/Dates requested:

June-September

Number of people in group:

2

I am requesting permission to use a Research Area.

Yes

I am requesting permission to use a Sensitive Area.

No

I am requesting permission to use areas outside of the designated Research or Sensitive Areas.

No

I would like to use the Martin Center for Field Studies and Environmental Education for this prop...

No

Will the activity involve destructive sampling/collecting?

Yes

Which Research Areas?

Beefy's Woods

Garden Pond

Grandview Alley

South Woods

Please explain how the material will be collected (including equipment), and an estimate of how m...

I would collect about 20 adult females and/or egg sacs of common spider species, such as

Parasteatoda tepidariorum and Argiope trifasciata, using collection jars.

Provide a brief description of (1) your proposed activities, (2) goals, and (3) impacts of your u...

I plan to investigate the properties of spider egg sacs and the defenses that they provide to developing embryos/spiderlings against environmental threats such as temperature and humidity changes. My work will include collecting adult female spiders and egg sacs from the Field Station and Bath Nature preserve, which could impact the delicate balance of the ecosystem. I will minimize these risks by collecting spider species that are common to the area and are highly reproductive.

By checking this box, I agree to the above terms and state that all of the above information is c...

I agree