

Margaret Elizabeth Hartman

Education

Master of Science, University of Maryland College Park, MD 20742 Major: Entomology Thesis: Pest suppression potential by Odonata in agroecosystems Advisor: William Lamp	Expected January 2022
Bachelor of Science, Northern Michigan University 1401 Presque Isle Ave., Marquette, MI 49855 Major: Fisheries and Wildlife Management	December 2017 GPA: 3.83/4.00
Associate of Applied Science, Ivy Tech Community College 3800 N. Anthony Blvd., Fort Wayne, IN 46805 Major: Medical Assisting Minor: Phlebotomy	December 2007 GPA: 3.75/4.00

Professional Experience

Graduate Research Assistant University of Maryland, College Park, MD 20742	January 2019 - Present
Website Editor University of Maryland Extension Home and Garden Information Center, Ellicott City, MD 21042	Jan. 2020 – June 2020
Entomology Field Technician North Dakota State University, Fargo, ND 58105	May 2018 – August 2018
Entomology Intern Audubon Nature Institute Insectarium and Butterfly Garden, New Orleans, LA 70130	March 2018 – May 2018
Natural Resource Management Intern National Park Service, Isle Royale National Park, Isle Royale, MI 49931 Funded through the Ronald E. McNair Scholarship, Northern Michigan University	June 2017 – August 2017
Entomology Field Technician Isaacs Entomology Lab, Michigan State University, East Lansing, MI 48824 Funded through the Ronald E. McNair Scholarship, Northern Michigan University	May 2016 – August 2016

Teaching Experience

Graduate Teaching Assistant University of Maryland, College Park, MD 20742	
• BSCI 467 – Freshwater Biology	Fall 2019/2020/2021
• BSCI 103 – World of Biology	Spring 2019
• BSCI 171 – Principles of Molecular and Cellular Biology	Spring 2020
• BSCI 161 – Principles of Ecology and Evolution	Spring 2021

Undergraduate Teaching Assistant

Northern Michigan University, Marquette, MI 49855

- BI 424 - General Entomology Fall 2017
- UN 100 - Freshman Seminar for Biology majors Fall 2016

Volunteer Experience

“Insectival: Celebrate & Investigate Insects!” Exhibit

July 24, 2021

Annmarie Sculpture Garden & Arts Center, Solomons, MD 20688

Interpretive Insect Program

February 6, 2020

Calvert Library Twin Beaches Branch, Chesapeake Beach, MD 20732

Youth Insect Program

May 13, 2019

Spring Hill Elementary School, McLean, VA 22102

Maryland Day “Discover the Swamp” Exhibit

March 25, 2019

University of Maryland, College Park, MD 20742

Youth Insect Program

February 19, 2019

University of Maryland Center for Children, College Park, MD 20742

Presentations

Hartman, M.E. & W.O. Lamp. 2021. Dragons on the farm: Water sources predict species richness and abundance of Odonata in crops. *Oral Presentation*. Entomological Society of America Eastern Branch Meeting. Virtual.

Hartman, M.E. & W.O. Lamp. 2020. Biological connectivity between streams and wetlands on the Delmarva Peninsula using macroinvertebrates. *Oral Presentation*. Entomological Society of America National Meeting. Virtual.

Hartman, M.E. & W.O. Lamp. 2019. Out of the swamp and into the classroom: Bringing creature-collecting to Maryland youth. *Poster Presentation*. Entomological Society of America National Meeting. St. Louis, MO.

Hartman, M.E. 2017. Snowshoe hare density on Isle Royale National Park. *Oral Presentation*. Northern Michigan University McNair Summer Research Symposium. Marquette, MI.

Hartman, M.E. 2017. Dragonflies and damselflies! *Oral Presentation*. Isle Royale National Park Interpretive Program. Isle Royale National Park, Rock Harbor Auditorium.

Hartman, M.E., Pinilla-Gallego, M.S. & R. Isaacs. 2017. Pollen preference of *Osmia lignaria* (Hymenoptera: Megachilidae) in a commercial blueberry field. *Oral Presentation*. University of Washington McNair Conference and Undergraduate Research Symposium. Seattle, WA.

Hartman, M.E., Pinilla-Gallego, M.S. & R. Isaacs. 2017. Pollen preference of *Osmia lignaria* (Hymenoptera: Megachilidae) in a commercial blueberry field. *Poster Presentation*. Northern Michigan University Celebration for Student Scholarship. Marquette, MI.

Publications

Hartman, M.E. 2020. Alfalfa Weevil: A Pest of Early Season Alfalfa. University of Maryland Extension. Fact Sheet.

Lamp, W. O. & **M. E. Hartman**. 2020. Freshwater Biology Lab Manual. University of Maryland Department of Entomology.

Lamp, W. O., Alireza Shokoohi & **M. E. Hartman**. 2021. Freshwater Biology Lab Manual. University of Maryland Department of Entomology.

Event Coordination

Hartman, M.E., McIntyre, K., Entrekin, S. & W.O. Lamp. 2020. Aquatic invertebrates in a metacommunity framework: Linking terrestrial and aquatic systems. Member Symposium. Entomological Society of America National Meeting. Virtual.

Awarded Grants

Annual Research Grant. Dragonfly Society of the Americas. 2020. Diet assessment of Odonata in Maryland agroecosystems using next generation sequencing. Lead PI: William Lamp. \$1000.

Graduate Student Research Grant. Northeast Sustainable Agriculture Research and Education. 2021. Dragonflies as potential biological control on farms: Prey assessment using a DNA approach. Lead PI: William Lamp. \$15,000.

Skills

Laboratory Techniques

PCR; pollen acetolysis; dichotomous taxonomic keys; compound light and dissecting microscopy; insect preparation and curation

Field Techniques

Insect sampling using sweep nets, bowl traps, and aquatic D-nets; vegetation sampling and identification; small mammal trapping using Sherman traps; mammal camera trapping; fish sampling using drift, fyke, cast, and seine nets; aerial and ground telemetry

Computer Programs

SAS; SPSS; RStudio; ArcGIS; HTML coding language; AVS Video Editor; Adobe Photoshop; Microsoft Office such as Excel, PowerPoint and Word; various GPS units; POS systems such as Aloha and Micros

Professional Affiliations

Entomological Society of America	2016 - Present
The Dragonfly Society of the Americas	2016 - Present
The Wildlife Society	2015 - 2017
The Mycological Society of America	2015 - 2017

Activities and Honors

University of Maryland

Teaching Achievement Award, Entomology Department	2021
3 Minute Thesis Award, University of Maryland Graduate School, \$1,500	2021
Excellence in Extension and Outreach Award, Entomology Student Org., \$250	2020
First place Interesting Photograph, Entomology Department Oktoberfest	2019
Entomology Student Organization, Communications Officer	2020-2021

Northern Michigan University

Second place Undergraduate Poster, Celebration for Student Scholarship	2017
Telion Chapter of Mortar Board	2016 -2017
Student Leader Fellowship Program	2015 - 2017
• Top Block Incentive Program recipient	2017
Ronald E. McNair Scholarship	2015 - 2018
Associated Students of Northern Michigan U., Public Relations Director	2015 - 2017
• Representative of the Year award	2016 - 2017
• University Funded Organization of the Year award	2016 - 2017
Fisheries and Wildlife Association, Fundraising Chair	2013 - 2017