Curriculum Vitae – Hannah B. Scheppler – May 2021

scheppler.1@osu.edu, hannahscheppler@gmail.com, 419-789-8007

EDUCATION

Ph.D. Crop Science (ongoing) — **The Ohio State University.** Dept. of Horticulture and Crop Science. Enrolled January 2020.

M.S. Biology — **Miami University,** Ohio. Dept. of Biology. Graduated December 2019.
Thesis: Modeling the climatic niche of wild Carica papaya

B.S. Biology — **Bowling Green State University (BGSU),** Ohio. *cum laude*. Dept. of Biological Sciences. Graduated May 2017. Research at Lake Erie Center and at Lab of Evolutionary & Conservation Genetics.
Honors Research Project: Genetic characterization of the sex-linked intron CHD1 *in Magellanic penguins*

GIS Certificate — **Miami University,** Ohio.
16 credit hours of GIS courses.

EMPLOYMENT

2020 — **Graduate Research Fellow,** The Ohio State University.

2017-2019 — **Teaching Assistant,** Field Botany, Intro to Biol., Plant Evolution; Miami University, Ohio

2016-2017 — **Research Assistant,** Lake Erie Center, University of Toledo
Sampled and extracted eDNA in water samples from over 60 bait shops.
Assisted graduate students in PCR.

2016 — **NSF REU Scholar,** University of Toledo
Assisted graduate students in sampling water and extracting eDNA from the wild.

2014-2017 — **Research Assistant,** Laboratory of Evolutionary & Conservation Genetics, BGSU
PCR, cloning, Sanger sequencing, and phylogenetics.

PUBLICATIONS

Snyder, M.R., Stepien, C.A., Marshall, N.T., Scheppler, H.B., Black, C.L., and Czajkowski, K.P. 2020. Detecting aquatic invasive species in bait and pond stores with targeted environmental (e) DNA high-throughput sequencing metabarcode assays: Angler, retailer, and manager implications. *Biological Conservation*, 245: 108430.

Hibbets, E.M., Schumacher, K.I., Scheppler, H.B., Boersma, P.D. and Bouzat, J.L. 2020. Genetic characterization of hybridization between Magellanic (*Sphensicus magellanicus*) and Humboldt (*Spheniscus humboldti*) penguins in the wild. *Genetica,* https://doi.org/10.1007/s10709-020-00106-2

Scheppler, H.B. and Moore, R.C. 2020. An environmental niche model of wild *Carica papaya* and its relationship to farm yields and non-native establishment. In preparation.

CONFERENCES AND PRESENTATIONS (*presenter)

*Scheppler, H.B. and Gschwend, A. Ecological niche models of grapevine downy mildew *formae speciales* suggest differential range expansions under climate change. The Ohio State University CFAES Poster Competition, USA, April 2021.

*Sharma, E., Scheppler, H.B. and Gschwend, A. Testing for Pierce's disease in *Vitis vinifera* and *V. labrusca* using a broad array of PCR primers. The Ohio State University CFAES Poster Competition, USA, April 2021. First Place in Environmental & Plant Sciences Category.

*Scheppler, H.B., Chávez-Pesqueira, M. and Moore, R.C. Identifying best Maxent parameters for modeling with biased occurrence records of natural *Carica papaya*. Midwest Ecology and Evolution Conference, Terre Haute, Indiana, USA. April 2019.

*Scheppler, H.B., Chávez-Pesqueira, M. and Moore, R.C. Revealing the ecology of natural *Carica papaya* with SDMs. Botany Conference, Rochester, Minnesota, USA. July 2018.

*Czajkowski, K.P., Stepien, C.A., Solocha, A., Snyder, M.S., Black, C.L., Etey, E., Phillips, J., Scheppler, H.B., Mitchell, J. and Marshall, N.T. Geographic investigation of potential invasive species introduction through bait stores and anglers. American Association of Geographers Annual Meeting, New Orleans, Louisiana, USA. April 2018.

*Scheppler, H.B., Snyder, M.R., Marshall, N.T., Czajkowski, K.P. and Stepien, C.A. Identifying Species from Bait Shops: Potential Vectors for Invasives in the Great Lakes? International Association for Great Lakes Research Conference, Detroit, Michigan, USA. May 2017.

*Snyder, M.S., Scheppler, H.B., Phillips, J., Czajkowski, K.P. and Stepien, C.A. Identifying the Threat of Invasive Species in the Bait Trade: eDna, Morphology, and Survey Results. 147th Annual Meeting of the American Fisheries Society, Tampa, Florida, USA. August 2017.

*Scheppler, H.B., Snyder, M.R., Marshall, N.T. and Stepien, C.A. Identifying Species from Bait Shops: Potential Vectors for Invasives in the Great Lakes? Research for Undergraduates Poster Gala, Oregon, Ohio, USA. July 2016.

*Scheppler, H.B., Arauco-Shapiro, G., Boersma, D. and Bouzat, J.L. Genetic Characterization of the Sex-linked Intron CHD1 in Magellanic Penguins. BGSU Research Symposium for Undergraduates, Bowling Green, Ohio, USA. April 2016.

RELEVANT COURSES

BGSU: (Undergrad. level) Genetics, Evolutionary Ecology, Population Genetics, Conservation Genetics, Botany, Field Botany, Genomics; (Grad. level) Speciation Seminar, Works of Charles Darwin Seminar, and Memetic Evolution Seminar
Miami University: Population Community Ecology, Population Genetics, Remote Sensing, Advanced GIS, Python, Works of Alexander von Humboldt Seminar
OSU: Methods in R, Experimental Design, Intro to Plant Pathology, Genomics, Plant Abiotic Stress Seminar, Plant Genomics Seminar

TEACHING

2019	Plant Evolution, Miami University, Teaching Assistant
2018	Intro to Biology Lab, Miami University, Teaching Assistant
2017	Field Botany, Miami University, Instructor

MENTORING

2020-2021	Mentored an undergraduate student for their research project in using PCR to detect a plant pathogen. Their poster was awarded 1st place in the 2021 OSU CFAES poster competition.
2017-2019	Mentored four undergraduate students for their research projects in plant population genetics. Two of these individuals graduated with honors from Miami University.

SERVICE

2021	PR chair for Horticulture and Crop Science Grad Student Association, OSU
2021	Vice-president of Black Lives Matter Begonias, student organization at OSU
2020-2021	Member of Chair Search Committee for Dept. of Horticulture and Crop Science, OSU
2020-2021	Member of Executive Advisory Committee for Dept. of Horticulture and Crop Sci., OSU
2020	Grad Student Rep. for Horticulture and Crop Science Faculty Meetings, OSU
2020	Horticulture and Crop Science Grad Research Symposium Planning Committee, OSU

2019	Member of Biology Department Social Committee, Miami University
2018-2019	Botany Educator for Talawanda Local Schools Science Day
2017-2018	Member of Graduate Student Pride Association, Miami University
2016-2017	Treasurer for LGBTQ+ Association, Bowling Green State University
Spring 2016	Member on the board for "When You Move Out, Don't Throw it Out." A campus-wide sustainable initiative to collect unused items at the end of semester.
2014-2016	Event Planner for LGBTQ+ Association, Bowling Green State University

HONORS

Graduate Enrichment Fellowship, The Ohio State University, 2023
University Graduate Fellowship, The Ohio State University, 2021
ENGIE-Axium Graduate Fellowship, The Ohio State University, Fall 2020
Graduate Assistantship Fellowship, Miami University, Fall 2018
Award of High Distinction Scholarship, Bowling Green State University, August 2013-May 2017
Waldo & Evelyn Steidtmann Scholarship for Outstanding Biology Students, Bowling Green State University, Fall 2015-Spring 2016, and Fall 2016-Spring 2017
NSF Research for Undergraduates Experience, University of Toledo, 2016 Summer/Fall Research Project
Center for Undergraduate Research and Scholars Summer Grant, Bowling Green State University, 2015
Laura Heston Scholarship for School of Family and Consumer Science, Bowling Green State University, Fall 2014-Spring 2015
Achieving Honors Diploma, Bowling Green State University, August 2013-May 2016, 21 credits
Dean's List, Bowling Green State University, Spring 2017, Fall 2016, Spring 2016, Spring 2015, Fall 2014, Spring 2014, Fall 2013