

Natalie Constancio
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CURRENT POSITION

July 2024 – Present

Post Doctoral Scholar
The Ohio State University, Wooster, OH

EDUCATION

Aug 2020 – June 2024

PhD Entomology
Michigan State University, East Lansing, MI

Aug 2014 – May 2018

Bachelor of Arts, Biology
University of San Diego, San Diego, CA

PEER REVIEWED PUBLICATIONS

Constancio, N., A. Guggenheimer, Z. Szendrei. Plastic mulches provide alternative management options for onion thrips. *In review*.

Constancio, N., Z. Szendrei. Environmental conditions indirectly affect facultative disease spread by altering insect vector dispersal. *In revision*.

Pickens, V., .. **N. Constancio** .. et al. Addressing emerging issues in entomology: 2023 student debates. *In revision*.

Constancio, N., D. Higgins, M. Hausbeck, Z. Szendrei. 2023. Managing insect and plant pathogen pests with organic and conventional pesticides in onions. *Econ. Entomol.* 116 (6): 2116-2123. DOI: <https://doi.org/10.1093/jee/toad201>

Prade, P., .., **N. Constancio** .. et al. 2023. Transforming entomology to adapt to global concerns: 2021 student debates. *J. Insect Sci.* 23. DOI: <https://doi.org/10.1093/jisesa/iead064>

Sandhi, R. K., .. **N. Constancio**.. et al. 2023. Entomology beyond research and education: 2022 student debates. *J. Insect Sci.* 23. DOI: <https://doi.org/10.1093/jisesa/iead036>

Constancio, N., D. Higgins, M. Hausbeck, Z. Szendrei. 2022. Onion thrips (Thysanoptera: Thripidae) host plant preference and performance are mediated by a facultative plant pathogen of onion. *Environ. Entomol.* 51(6): 1158-1165. DOI: <https://doi.org/10.1093/ee/nvac086>

Bloom, E. H., **N. Constancio**, K. C. Hauri, and Z. Szendrei. 2022. A newly invasive species may promote dissimilarity of pest populations between organic and conventional farming systems. *Ecol. Appl.* 32 (5): e2615. DOI: <https://doi.org/10.1002/eap.2615>

Boersma, K. S., N. **Constancio**, S. Dunkelberger, L. Musial, G. Ortiz, and E. von Ruden. 2019. Environmental Cues Induce Dispersal and Burial in Crawling Water Beetle, *Haliplus punctatus* (Coleoptera: Haliplidae). *J. Insect Behav.* 32: 236–242. DOI: <https://doi.org/10.1007/s10905-019-09732-x>

EXTENSION PUBLICATIONS

Natalie Constancio and Z. Szendrei. Making the most of mulches: onion thrips control with plastic mulches. *Onion World*. April 2024.

Natalie Constancio and Z. Szendrei. Onion thrips management with plastic mulches. *Vegetable Grower News*. March 2023.

Natalie Constancio and Z. Szendrei. Onion thrips and disease management strategies. *Vegetable Grower News*. November 2022.

Natalie Constancio, D. Higgins, M. Hausbeck, Z. Szendrei. Two challenges, one strategy: Onion thrips and *Stemphylium* leaf blight management. *Onion World*. February 2022.

GRANTS

April 2022	Assisted in writing USDA Specialty Crop Block Grant (\$48,500, 2 years)
April 2022	Assisted in writing MSU- Project GREEN (\$40,000, 2 years)
May 2021	Hutson Research Proposal (\$1,500)

FELLOWSHIPS AND SCHOLARSHIPS

April 2024	MSU Dissertation Completion Fellowship (\$10,000)
April 2024	Robert Dreisbach Endowed Memorial Fellowship (\$2,500)
October 2021	Michigan Vegetable Industry Scholarship (\$1,500)
May 2021	Paul Wooley Memorial Fellowship (\$2,000)
Fall 2020 - Spring 2021	Academic Achievement Graduate Assistantship (\$30,000)
Fall 2014 – Spring 2018	USD Scholarship (\$40,000)
Fall 2014 -Spring 2018	Presidential Scholarship (\$40,000)

HONORS AND AWARDS

November 2023	1st Place Overall Student Debate Team ESA (\$500)
November 2023	Hutson Travel Funds (\$750)
April 2023	Outstanding Graduate Student in Extension (\$750)
November 2022	2 nd place ESA JAM Student Presentation Competition
November 2022	1 st Place Overall Student Debate Team ESA JAM (\$500)
September 2022	Hutson Travel Funds (\$1,000)

November 2021	International IPM Symposium Travel Award (\$1,400)
November 2021	1 st Place Overall Student Debate ESA (\$500)
October 2021	Hutson Travel Funds (\$750)
June 2021	1 st place ESA NCB Student Presentation Competition (\$200)
May 2021	McPherson Travel Funds
April 2018	Honorable Mention for Best Presentation in Ecology and Evolution
Spring 2018	Departmental Honors
Fall 2017; Spring 2015, 2017, 2018	Dean's List

RESEARCH PRESENTATIONS

2023

Constancio, N., Z. Szendrei. Talk presented at *Entomological Society of America*. Oxon Hill, MD. December 2023.

2022

Constancio, N., Szendrei, Z. Talk presented at *Entomological Society of America Joint Annual Meeting*. Vancouver, BC. November 2022.

Constancio, N., Szendrei, Z. Poster presented at: *International IPM Symposium*. Denver, CO. March 2022.

2021

Constancio, N., Szendrei, Z. Talk presented at: *Entomological Society of America Annual Meeting*. Denver, CO. November 2021.

Constancio, N., Szendrei, Z. Talk presented at: *Entomological Society of America, North Central Branch Meeting*. East Lansing, MI. June 2021.

2018

Constancio, N., Dunkelberger, S., Musial, L., Ortiz, G., von Ruden, E., Boersma, K.S., Talk presented at: *Desert Fishes Council Meeting*, Death Valley, CA.

Constancio, N., Dunkelberger, S., Talk presented at: *Creative Collaborations*, University of San Diego, San Diego, CA

Constancio, N., Dunkelberger, S., Poster presented at: *West Coast Biological Sciences Undergraduate Research Conference*, St. Mary's College, Moraga, CA

EXTENSION PRESENTATIONS

2024

Constancio, N., Z. Szendrei. Talk presented at *Southeast Michigan Vegetable Grower Winter Meeting*. Monroe, MI. February 2024.

Constancio, N., Z. Szendrei. Talk presented at *Southwest Michigan Horticultural Days*. Benton Harbor, MI. February 2024.

2023

Constancio, N., Z. Szendrei. Talk presented at *Great Lakes Expo*. Grand Rapids, MI. December 2023

Constancio, N., Z. Szendrei. Talk presented at *MOC Twilight Onion Trials*. Byron Center, MI. August 2023.

2022

Constancio, N., Z. Szendrei. Talk presented at *Great Lakes EXPO*. Grand Rapids, MI. December 2022.

Constancio, N., Z. Szendrei. Talk presented at: *MOC Twilight Onion Trials*, Byron Center, MI. August 2022.

2021

Szendrei, Z., N. Constancio. Talk presented at: *Great Lakes Expo*, Grand Rapids, MI. December 2021

2020

Constancio, N., Szendrei, Z. Poster presented at: *Great Lakes Expo*, East Lansing, MI. December 2020.

RESEARCH EXPERIENCE

Aug 2020 – Present	Graduate Research Assistant <i>Szendrei Lab, Michigan State University, East Lansing, MI</i>
March 2020 – Aug 2020, May 2019- Aug 2019	Research Technician <i>Szendrei Lab, Michigan State University, East Lansing, MI</i>
May 2018 – May 2019	Research Assistant <i>Boersma Lab, University of San Diego, San Diego, CA</i>
Aug 2017 – May 2018	Undergraduate Researcher <i>Boersma Lab, University of San Diego, San Diego, CA</i>

UNIVERSITY SERVICES

June 2022 – May 2023	Vice President of G.U.E.S.S Graduate and Undergraduate Entomology Student Society
June 2021 – June 2022	President of G.U.E.S.S. Graduate and Undergraduate Entomology Student Society
June 2020 – June 2021	Council of Graduate Student Representative Graduate and Undergraduate Entomology Student Society
March 2020 - Present	Co-host and Organizer Michigan State University Entomology Department Podcast “BugTalk”

PROFESSIONAL DEVELOPMENT TRAINING

January 2021 - Present Anti-Racist Path Series
Michigan State University

October 2020 Language Matters: Considering racial microaggressions in science
Society for the Advancement of Biology Education Research

PROFESSIONAL ASSOCIATIONS

2020 - Present Graduate Undergraduate Entomology Student Society

2020 - Present Entomological Society of America

2019 - 2022 Ecological Society of America

2018 - 2019 Desert Fishes Council

MEDIA INTERVIEWS

Thrips, white campion, Stemphylium leaf blight eyed. By Dean Peterson. Vegetable Growers News, March 2020.

STUDENT TRAINING

May 2023 – August 2023 Aaron Guggenheimer (B.S. Zoology, Michigan State University)

May 2022 – Nov 2022 Alyssa Garza (B.S. Entomology, Michigan State University)

Jan 2019 – May 2019 Marion Rivera (B.A. Biology, University of San Diego)

Oct 2018 – May 2019 Bryan Kelly (B.A. Biology, University of San Diego)

June 2018 – May 2019 Farhan Ahmed (B.A. Biology, University of San Diego)

June 2018 – May 2019 Zachary Schaaf (B.A. Biology, University of San Diego)

WORK EXPERIENCE

May 2019 – August 2019 Research Technician
Szendrei Lab, Michigan State University, East Lansing, MI

May 2018 – May 2019 Research Technician
Boersma Lab, University of San Diego, San Diego, CA

October 2014- May 2018 Student Assistant
Counseling Center, University of San Diego, San Diego, CA

Spring 2018 Student Notetaker
DLDRS, University of San Diego, San Diego, CA

Summer 2016, 2017

Student Intern
CHWP, University of San Diego, San Diego, CA