
Lidia M. Komondy

Entomology, MSU

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EDUCATION

Michigan State University, East Lansing, MI

-Bachelors of Science, Entomology

SEPTEMBER 2014 - PRESENT

RESEARCH EXPERIENCE

Isaacs Berry Crop Entomology & Pollination Ecology Laboratory, East Lansing, MI

-Research Assistant

MAY 2017 - PRESENT

- Pollen sampling, field work, data collection, experiment preparation.
- Molecular work including DNA extraction, pollen ID, etc.
- Collecting specimens, scouting, etc.

Cognato Forestry / Entomology Laboratory, East Lansing, MI

Research Assistant

SEPTEMBER 2016 - PRESENT

- Identification and analysis of North American Ambrosia beetles.
- Current project: DNA extraction and PCR analysis, as well as genotype mapping of multiple North American Ambrosia beetles.
- Structuring and building of phylogenies of North American Ambrosia beetles.
- Phylogenetic analysis

Szendrei Vegetable Entomology Laboratory, East Lansing, MI

Research Assistant

DECEMBER 2014 - SEPTEMBER 2016

- Assisted multiple graduate students, as well as Professor Szendrei in field work, data collection, and summer project preparation.
- DNA extraction and PCR of Aster Leafhoppers, Onion Thrips, as well as multiple Predators of Asparagus Miner.
- Identified and processed samples of many diverse families of Spiders.
- Scouting in multiple vegetable crops (potatoes, celery, carrots, etc.)
- Pinning and labeling specimens for identification and analysis.

RELEVANT COURSEWORK

Tropical Agro-Ecosystems in Sri Lanka

SUMMER 2017

Organic Pest Management (ENT479)

SPRING 2017

Medical Entomology (ENT460)

SPRING 2017

Apiculture and Pollination (ENT410)

SPRING 2016

Spider Diversity and Biology (ENT890)

SPRING 2016

Fundamentals of Entomology (ENT404)

FALL 2015

AWARDS

Michigan State University Hudson Endowment Research Funding

\$1,000.00

College of Ag. and Natural Resources Junior's Alumni Association Scholarship

-\$3,000.00

MSU Department of Entomology Hudson Endowment Travel Award (3 years)

-\$500.00

Entomological Society of America Undergraduate Student Achievement in Entomology Award

-\$2,000.00

University Undergraduate Research and Arts Forum (UURAF) 1st Place Award

-\$100.00

College of Ag. and Natural Resources Hagen Bashian Trust Scholarship

-\$1,000.00

RELEVANT MEMBERSHIPS

Ecological Society of America

MAY 2016 - PRESENT

GUESS (Graduate and Undergraduate Entomology Student Society)

JANUARY 2016 - PRESENT

Entomological Society of America

JANUARY 2015 - PRESENT

VOLUNTEER / OUTREACH

Girls in STEM, East Lansing & Mt. Pleasant, MI

Volunteer

SEPTEMBER 2016 - PRESENT

- Annual events that strongly promote the participation of young women in science.

Michigan State University Bug House, East Lansing, MI

Assistant Guide

JUNE 2016 - PRESENT

- Experience handling a diverse range of insects and tarantulas.
- Providing an educational and hands-on experience for groups of children from a wide range of schools, daycares, clubs, etc.

Red Cedar River Cleanup, East Lansing, MI

Volunteer

MAY 2016 - PRESENT

- Annual event concerned with the preservation and protection of the Red Cedar River located throughout the Michigan State University campus.
- Activities such as trash cleanup, water control, etc.

SCIENTIFIC PUBLICATIONS

Buchanan, A., Gibbs, J., Komondy, L., & Szendrei, Z. (2017). Bee Community of Commercial Potato Fields in Michigan and *Bombus impatiens* Visitation to Neonicotinoid-Treated Potato Plants. *Insects*, 8(1), 30. doi:10.3390/insects8010030

Ingrao, A. J., Schmidt, J., Jubenville, J., Grode, A., Komondy, L., Vanderzee, D., & Szendrei, Z. (2017). Biocontrol on the edge: Field margin habitats in asparagus fields influence natural enemy-pest interactions. *Agriculture, Ecosystems & Environment*, 243, 47-54. doi:10.1016/j.agee.2017.04.011

ACKNOWLEDGED SCIENTIFIC PUBLICATIONS

Demeuse, K. L., Grode, A. S., & Szendrei, Z. (2016). Comparing qPCR and Nested PCR Diagnostic Methods for Aster Yellows Phytoplasma in Aster Leafhoppers. *Plant Disease*, 100(12), 2513-2519. doi:10.1094/pdis-12-15-1444-re

Davidson-Lowe, E. (2016). Plant mediated interactions between herbivores from different feeding guilds (*Myzus persicae* and *Leptinotarsa decemlineata*) on potato (*Solanum tuberosum*) (Published doctoral thesis).

Hufnagel, M. J. (2015). Chemical ecology of wild *Solanum* spp and their interaction with the Colorado potato beetle (Unpublished master's thesis).

REFERENCES & RECOMMENDATIONS

Dr. Anthony Cognato -- cognato@msu.edu -

Employer / Professor

SEPTEMBER 2016 - PRESENT

- Head of the A.J. Cook Arthropod Collection within Michigan State University's Department of Entomology, as well as a Ambrosia beetle laboratory within the department.
- Provided me the opportunity to work for compensation on a specific research project concerning North American Ambrosia beetles, and the systematics and phylogenetic analysis involved in their diversity.

Dr. Chris Difonzo -- difonzo@msu.edu -

Undergraduate Advisor / Study Abroad Chaperone / Professor

SEPTEMBER 2014 - PRESENT

- Current academic advisor within the Department of Entomology at Michigan State University.
- Provides academic advice in regards to classes, future positions in research, as well as support in multiple programs.
- Additionally, Dr. Difonzo is the Chaperone for the Sri Lanka study abroad program for which I am involved.

Dr. Zsofia Szendrei -- szendrei@msu.edu -

Employer

DECEMBER 2014 - SEPTEMBER 2016

- Head of the Vegetable Entomology Laboratory within Michigan State University's Department of Entomology.
- Provided me the opportunity to work for compensation on various research projects within the molecular veg. entomology lab.

Adam Ingrao -- ingraoad@msu.edu -

Graduate Employer

JANUARY 2016 - JUNE 2016

- Provided me the opportunity to work for compensation on specific project concerning spider biology and taxonomy.
- Advised me in the process of scientific publication as well as formulating a semester project.