

Curriculum Vitae
Mollie Toth

Kansas State University
Department of Entomology
Dr. Thomas Phillip's Lab
1603 Old Claflin Pl
Manhattan, KS 66502

Email: toth@ksu.edu
Phone: (816) 588-9353

EDUCATION

Aug. 2021 – July 2023 (anticipated)	Master of Science in Entomology Faculty Advisor: Dr. Thomas W. Phillips Co-advisor: Dr. Greg Aldrich <i>Kansas State University, Manhattan, KS</i>
Aug. 2016 – Dec. 2019	Bachelor of Science in Agriculture Advisor: Dr. Lindsey Hulbert <i>Kansas State University, Manhattan, KS</i>

RESEARCH EXPERIENCE

Aug. 2021 – Present Kansas State University, Entomology Department <i>Supervisors: Drs. Thomas W. Phillips and Greg Aldrich</i>	Graduate Research Assistant
Nov. 2018 – Aug. 2021 USDA-ARS Stored Product Insect and Engineering Unit <i>Supervisors: Drs. Frank Arthur and Deanna Scheff</i>	Biological Science Aid/Lab Assistant
Aug. 2017 – Oct. 2018 Kansas State University, Grain Science Department <i>Supervisor: Dr. Greg Aldrich</i>	Research Assistant

PROFESSIONAL EXPERIENCE

June 2018 – Aug. 2018 Tuffy's Pet Food, INC., Perham, MN <i>Supervisors: Jim Farrell and Patrick Dolen</i> Worked in the quality assurance laboratories testing ingredients and finished products for mycotoxins, pest infestations, packaging quality, content makeup, and pH. Researched new potential pet food ingredients regarding nutrient profile, industry use, health benefits, and regulation. Compiled data of costs in quality assurance laboratories in the new mill. Gained safety knowledge, customer service experience, and understandings of corporate practice.	Intern
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SELECTED PRESENTATIONS

Summary: 2 oral and poster presentations given in Kansas.

- Toth, Mollie**, Valerie Nguyen, and Erin Scully. "Effects of 15-Acetyl-deoxynivalenol (15-ADON) and Diacetoxyscirpenol (DAS) Mycotoxins on *Tribolium castaneum*." 3rd Entomology Undergraduate Research Poster Symposium. Manhattan, KS: Kansas State University, Department of Entomology. Dec. 13, 2018. *Poster*.
- Toth, Mollie**, D. Scheff. "Residual Efficacy of Diacon-IGR and Diacon-IGR-PBO, Applied to Multiple Surfaces, on *Trogoderma inclusum* and *Trogoderma variabile* Larvae." June 2020 SY USDA-SPIERU Meeting. Manhattan, KS: USDA-ARS, Center for Grain and Animal Health Research. June 4, 2020. *Oral*.

MENTORSHIP SERVICES

Summary: *Trained new students in the laboratory practices.*

1. **Carly Rasmussen, Alexis Markley, Codi Mueller, Kenzi McVicker.** Trained in colony maintenance, toxicological bioassays, insect behavioral studies, and proper data collection. Dr. Deanna Scheff's lab
USDA-CGAHR 1515 N College Ave. Manhattan, KS.

SELECTED AWARDS

Summary: *Five awards, five honor society memberships, and two scholarships.*

- April 2022 **O.W. "Spide" Morris Service Award Scholarship**, given to a M.S. student who has made significant contributions to the Department of Entomology, \$800.
- April 2022 **Popenoe Entomology Club's Best Insect-Inspired Art Award**, given to the artist or photographer by double-sided anonymity via voting of popular demand within the department.
- Sept. 2019 **Elias and Sammy Shaheen- Kruse Family Scholarship**, \$1,000.
- April 2019 **Society of Animal Science Scholastic Achievement Award**, awarded to the top 10% of students majoring in Animal Science.
- Dec. 2018 **Faculty's Excellence Award**, 3rd Entomology Undergraduate Research Poster Symposium. **Poster Presentation Competition.**
- April 2018 **Honor Society of Agriculture (Gamma Sigma Delta)**
- Oct. 2016 **FFA American Degree**, awarded to most achieving and dedicated members of a chapter and state's FFA association in regard to agricultural experience, leadership, and community involvement.

PROFESSIONAL MEMBERSHIP AFFILIATION

- Aug. 2021 – Present Entomological Society of America, North Central Branch

MEMBERSHIP AND PROFESSIONAL SERVICE

Summary: *Served on three committees and one officer role in Popenoe Entomology Club.*

- May 2022 – Present FFA Curation Coordinator Officer, Kansas State Department of Entomology Popenoe Club
- Sep. 2021 – Present Student Member, Kansas State Department of Entomology Popenoe Club FFA Committee
- Aug. 2021 – Present Team Member, Kansas State Department of Entomology Academic Entomology Games Team
- Nov. 2021 – May 2022 Outreach Officer, Kansas State Department of Entomology Popenoe Club
- Aug. 2019 – May 2020 Student Member, Kansas State Department of Entomology Popenoe Club Constitution Revisions Committee
- Jan. 2019 – Dec. 2019 Student Representative, Kansas State Department of Entomology Popenoe Club Undergraduate Committee

SELECTED OUTREACH

Summary: *Has engaged in 4 events reaching over 100 people at Kansas State University.*

- Aug. 2021 Kansas State Activities Carnival. Booth contributor for the Kansas State University Popenoe Entomology Club to reach new potential members **Aug. 2018, Aug. 2019, Jan. 2020, Aug. 2021**, K-State Student Union Ballroom, Kansas State University, Manhattan, KS.

SELECTED PROFESSIONAL DEVELOPMENT

Summary: *Active member in journal club of the Kansas State Entomology Department.*

- Aug. 2021 – Present Member, Journal Club: Modern Entomological Studies. Active member taking part in discussions of recently published scientific research studies and how they may influence practices and understandings. Kansas State University, Manhattan, KS.

MEDIA OUTPUTS

Summary: *Has provided illustrations for a video to reach 470 people on social media.*

July 2019

Kansas State Entomology Department. Illustrator for Dr. Jeremy Marshall's *Daydreaming with a Butterfly* video comedy series used to increase interest and awareness of entomology. Kansas State University, Manhattan, KS. Link:

<https://twitter.com/InsectFusion/status/1151146646224457728>