

# Shelby Kerrin Kilpatrick

March 21, 2024

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## EDUCATION

- Texas A&M University**, College Station, Texas August 2022 – Present  
Doctor of Philosophy Degree in Entomology  
Advisor: Dr. Adrienne Brundage  
Entomology Program GPA: 4.0, Cumulative GPA: 4.0
- The Pennsylvania State University**, University Park, Pennsylvania August 2017 – March 2022  
Entomology & Integrated Pollinator Ecology Graduate Training Program  
Advisors: Dr. Margarita López-Urbe & Dr. Heather Hines  
Entomology Program GPA: 4.0, Teaching Certificate Program GPA: 4.0, Cumulative GPA: 4.0
- Texas A&M University**, College Station, Texas May 2017  
Bachelor of Science Degree with Double Major in Entomology and Agricultural Leadership and Development  
Primary Major ENTO GPA: 4.0, Double Major ALED GPA: 4.0, Cumulative GPA: 3.757  
High-Impact Experience: Research in Insect Behavior, Biodiversity, Biology, Morphology, and Physiology  
High-Impact Experience: Study Abroad Dominica Tropical and Field Biology  
Honors Distinctions in Entomology and Leadership  
Honors Fellows Distinction, Honors Capstone Experience: Undergraduate Teacher Scholar Program  
Latin Honors Distinction, *Magna Cum Laude*

## SELECTED RESEARCH EXPERIENCE

- Knowledge Engineering Laboratory**, College Station, Texas June 2023 – Present  
*Research Assistant, Supervisor: Dr. Robert Coulson, Principal Investigator*
- Brundage Laboratory**, College Station, Texas August 2022 – Present  
*Ph.D. in Entomology Student, Supervisor: Dr. Adrienne Brundage, Principal Investigator*

## SELECTED REFEREED PUBLICATIONS [\* = equally contributed]

- Hines, H.M., **S.K. Kilpatrick**, I. Mikó, D. Snellings, M.M. López-Urbe, and L. Tian. 2022. The diversity, evolution, and development of setal morphologies in bumble bees (Hymenoptera: Apidae: *Bombus* spp.). *PeerJ* 10:e14555. <https://doi.org/10.7717/peerj.14555>
- Jones, L.J.\*, **S.K. Kilpatrick\***, and M.M. López-Urbe. 2021. Gynandromorph of the squash bee *Eucera (Peponapis) pruinosa* (Hymenoptera: Apidae: Eucerini) from an agricultural field in western Pennsylvania, USA. *Journal of Melittology* 100: 1–10. <https://doi.org/10.17161/jom.i100.13744>
- Kilpatrick, S.K.**, J. Gibbs, M.M. Mikulas, S. Spichiger, N. Ostiguy, D.J. Biddinger, and M.M. López-Urbe. 2020. An updated checklist of the bees (Hymenoptera, Apoidea, Anthophila) of Pennsylvania, United States of America. *Journal of Hymenoptera Research* 77: 1–86. <https://doi.org/10.3897/jhr.77.49622>
  - Kilpatrick, S.K.**, J. Gibbs, M.M. Mikulas, S. Spichiger, N. Ostiguy, D.J. Biddinger, and M.M. López-Urbe. 2021. Corrigenda: An updated checklist of the bees (Hymenoptera, Apoidea, Anthophila) of Pennsylvania, United States of America. *Journal of Hymenoptera Research* 77: 1–86. <https://doi.org/10.3897/jhr.77.49622>. *Journal of Hymenoptera Research* 81: 181–189. <https://doi.org/10.3897/jhr.81.62634>
- Tauber, C.A., **S.K. Kilpatrick**, and J.D. Oswald. 2020. Larvae of *Abachrysa eureka* (Banks) (Neuroptera: Chrysopidae: Belonopterygini): descriptions and a discussion of the evolution of myrmecophily in Chrysopidae. *Zootaxa* 4789 (2): 481–507. <https://doi.org/10.11646/zootaxa.4789.2.7>

- Woller, D.A., B. Foquet, **S.K. Kilpatrick**, R. Selking, C. Mazel, H. and Song. 2020. UNLOCKING THE DARK: Harnessing Blue-Light Fluorescence to Illuminate Hidden Hexapods. *American Entomologist* 66 (1): 38–47. <https://doi.org/10.1093/ae/tmaa005>
- **Kilpatrick, S.K.\***, B. Foquet\*, A.A. Castellanos, S. Gotham, D.W. Little, and H. Song. 2019. Revealing hidden density-dependent phenotypic plasticity in sedentary grasshoppers in the genus *Schistocerca* Stål (Orthoptera: Acrididae: Cyrtacanthacridinae). *Journal of Insect Physiology* 118 (103937): 1–17. <https://doi.org/10.1016/j.jinsphys.2019.103937>
- Rozen, J.G. Jr., B.N. Danforth, C.S. Smith, B.L. Decker, N.N. Dorian, D. Dority, **S.K. Kilpatrick**, E. Krichilsky, A.N. Laws, and K.R. Urban-Mead. 2019. Early nesting biology of the bee *Caupolicana yarrowi* (Cresson) (Colletidae: Diphaglossinae) and its cleptoparasite *Triepeolus grandis* (Friese) (Apidae: Nomadinae). *American Museum Novitates* 3931: 1–20. <https://doi.org/10.1206/3931.1>

## SELECTED TEACHING EXPERIENCE

**Entomology 209: Veterinary Entomology Laboratory**, College Station, Texas  
*Teaching Assistant (TA), Supervisor: Dr. Adrienne Brundage Course Instructor*

August 2023 – December 2023

**Entomology 201: General Entomology**, College Station, Texas

August 2022 – May 2023

*Teaching Assistant (TA) & Co-Lead TA, Supervisors: Dr. Julio Bernal & Dr. Raul Medina, Course Instructors*

## SELECTED UNIVERSITY OUTREACH & EXTRACURRICULAR ACTIVITIES

**Texas A&M University Department of Entomology**, College Station, Texas

January 2023 – Present

*Graduate Student Volunteer, 2023–2024 4-H and FFA Event Planning Committee Member*

**Texas A&M University Entomology Graduate Student Organization**, College Station, Texas

*Member*

August 2022 – Present

**Aggie Women in Entomology**, College Station, Texas

*Member*

August 2022 – Present

## SELECTED PROFESSIONAL SOCIETIES & OUTREACH

**North American Colleges and Teachers of Agriculture**

*Graduate Student Member*

January 2020 – Present

**International Society of Hymenopterists**

*Student Member, 2020–2022 Student Representative*

January 2018 – Present

**Entomological Collections Network**

*Member*

August 2017 – Present

**Entomological Society of America**

*Student Member, Southwestern Branch (2014–2017, 2022–Present) & Eastern Branch (2017–2023), 2020–2022 Student Affairs Committee Eastern Branch Representative*

January 2014 – Present

## SELECTED HONORS & RECOGNITION

**Texas A&M University Scholarships & Financial Aid**

July 2023

- 2023–2024 Academic Excellence Award: Charles John Koerth, Sr Scholarship Recipient

**Texas A&M University Entomology Graduate Student Organization**

May 2023

- 2023 Exceptional Teaching Assistant Award Recipient