

Shelby Kerrin Kilpatrick

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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://journals.ku.edu/melittology/article/view/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* (Fries) (Apidae: Nomadinae). *American Museum Novitates* 3931: 1–20. <https://doi.org/10.1206/3931.1>

SELECTED TEACHING EXPERIENCE

Entomology 209: Veterinary Entomology, College Station, Texas August 2023 – Present
Teaching Assistant (TA), Supervisor: Dr. Adrienne Brundage Course Instructor

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 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 August 2022 – Present
Member

SELECTED PROFESSIONAL SOCIETIES & OUTREACH

North American Colleges and Teachers of Agriculture January 2020 – Present
Graduate Student Member

International Society of Hymenopterists January 2018 – Present
Student Member, 2020–2022 Student Representative

Entomological Collections Network August 2017 – Present
Member

Entomological Society of America January 2014 – Present
Student Member, Southwestern Branch (2014–2017, 2022–Present) & Eastern Branch (2017–Present), 2020–2022 Student Affairs Committee Eastern Branch Representative

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