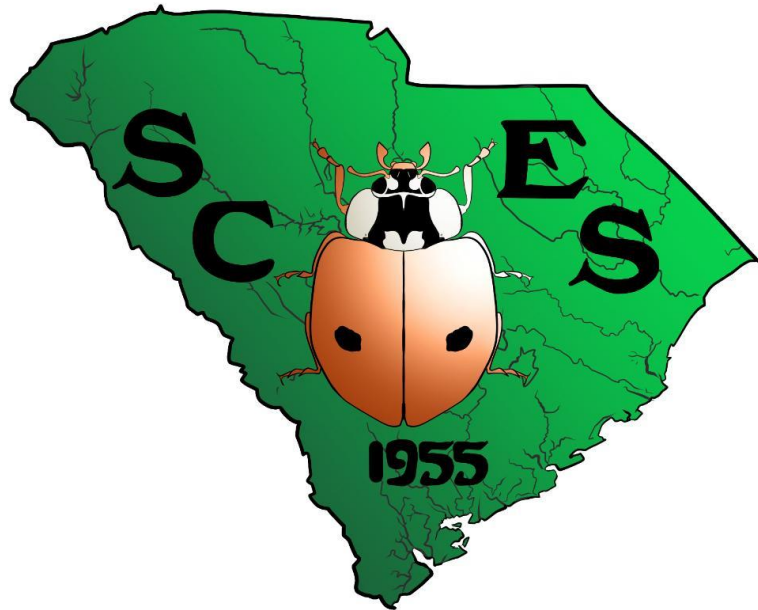


The 69th Annual Meeting

of the

SOUTH CAROLINA ENTOMOLOGICAL SOCIETY
69th Annual Meeting Program

SOUTH CAROLINA
ENTOMOLOGICAL SOCIETY



HARBISON STATE FOREST
COLUMBIA, SOUTH CAROLINA

5-6 October 2023

Thursday, October 5th 2023

AFTERNOON

- 12:30** **Executive Committee Meeting**
- 12:00-1:30** **Meeting Registration**
- 1:30-2:30** **Keynote Speaker:** Lessons from a “BTraP” Journey: a new paradigm in the management of harlequin bugs on collard with a trap crop, and the long-term impact.
Louis E Jackai, Professor and IPM Specialist, NC A&T State University, Greensboro, NC
- 2:30-3:30** **Welcome, Business Meeting, Election**
- 3:30-5:00** **Insect Walks and Photo Safari**
- 5:00-5:30** **Poster Session**
- 5:30-6:30** **Hospitality Hour**
- 6:30-till** **Social, Photo Salon, and Dinner**

POSTERS

- D1. (UG) The impact of neighborhood and climate variables on human West Nile virus seroprevalence in a high endemicity area in South Carolina. **Ahalya Muraleedharan** (ahalya@email.sc.edu), University of South Carolina, Columbia, SC.
- D2. (UG) Defining the tick-borne disease occupational risk among three high-risk groups from South Carolina. **Titlayomi Abiodun** (tabiodun@email.sc.edu), Melissa Nolan, and Lidia Gual-Gonzalez, Arnold School of Public Health, University of South Carolina, Columbia, SC.
- D3. (UG) It's a sticky situation: abundance and diversity of arthropods trapped by tarflower (*Bejaria racemosa*). **Sabrina M. Rocha** (rochas2@mailbox.winthrop.edu), Chiara M. Meredith, and Jennifer L. Schafer, Department of Biology, Winthrop University, Rock Hill, SC.

- D4. (UG) Funnel vision: web characteristics of the Lake Placid funnel-web wolf spider (*Sosippus placidus*). **Chiara M. Meredith** (meredithc2@mailbox.winthrop.edu), Jennifer L. Schafer, and Sabrina M. Rocha, Department of Biology, Winthrop University, Rock Hill, SC.
- D5. (UG) Optimizing a protocol for screening nudiviruses in *Helicoverpa zea*. **Jolee Olsakovsky** (jolsako@g.clemson.edu) and Matthew Turnbull, Clemson University, Clemson, SC.
- D6. (UG) Polypore fungus beetles (Coleoptera: Tetratomidae) of South Carolina. **Aaron D'Silva** (adsilva@g.clemson.edu), J.B. Rehrig, Margaret Smith, Michael L. Ferro, Clemson University Arthropod Collection, Clemson University, Clemson, SC.
- D7. (PhD) Assessing bee diversity and abundance in peach orchards in South Carolina. **Mandeep Tayal**¹ (mtayal@clemson.edu), Christopher Wilson², and Elizabeth Cieniewicz¹, ¹Department of Plant and Environmental Sciences, Clemson University, Clemson, SC, ²Department of Entomology and Plant Pathology, University of Arkansas, Fayetteville, AR.
- D8. (PhD) Evaluating sweet potato floral resources and attractiveness to pollinators. **Mariam Qambar Baysa** (mqambar@aggies.ncat.edu), Beatrice N. Dingha, and Louis E. Jackai. North Carolina Agricultural & Technical State University, Greensboro, NC.
- D9. (PhD) Examining the infection rate of three *Ehrlichia* species using statewide surveillance of *Amblyomma americanum*, *Amblyomma maculatum*, and *Ixodes scapularis*. **Kayla Bramlett** (bramletk@email.sc.edu), Emily Owens Pickle, Kyndall Dye-Braumuller, Madeline Myers, Melissa Nolan. ¹ Arnold School of Public Health, University of South Carolina, Columbia, SC.
- D10. (MSPH) Eco-epidemiology study of ectoparasites, vector-borne pathogens, enzootic, and zoonotic disease at a South Carolina zoo. **Katherine Brown** (kmb41@email.sc.edu), Emily Owens Pickle, Sean Sweeny, Kayla Bramlett, Martha Weber, and Melissa Nolan, University of South Carolina Arnold School of Public Health, Columbia, SC.
- D11. (PhD) Natural variation of fructose-1,6-bisphosphatase in alpine North American *Coliás* butterflies. **A. Blair Stokes** (stokesab@email.sc.edu) and Ward B. Watt, Dept. of Biological Sciences, University of South Carolina, Columbia, SC.
- D12. (PhD) Investigating color preference in male butterflies during mating. **Chloe M.T. Keck**^{1,3} (chloemtkeck@sc.edu), Sofia Maass^{3,4}, Daniel R. Chappell¹, Daniel I. Speiser¹, and Carol L. Boggs^{1,2,3}, ¹Dept. of Biology, University of South Carolina, Columbia, SC, ²School of Earth, Ocean, and Environment, University of South Carolina, Columbia, SC, ³Rocky

Mountain Biological Laboratory, Crested Butte, CO, ⁴Allegheny College, Meadville, PA.

- D13. Prevalence of *Rickettsia* in questing and host-attached ticks from South Carolina. **Lilianne Kaminski MBS** (KaminskiL@email.sc.edu), Emily Owens Pickle, MPH, Melissa S Nolan, PhD, Arnold School of Public Health, University of South Carolina, Columbia, SC.
- D14. Floating treatment wetlands in brackish stormwater ponds provide habitat for a diverse range of insects. **Dani Como** (dcomo@email.sc.edu), Baruch Marine Field Lab, University of South Carolina, Georgetown, SC.

Friday, October 6th 2023

- 7:50** Announcements
STUDENT PAPERS
David Jenkins, Moderator
- 8:00** 1. (PhD) Museums in miniature: a year in review. **Patricia Wooden** (pwooden@clemson.edu), Caitlin Silva, Niko Artley, and Michael L. Ferro, Clemson University Arthropod Collection, Clemson University, Clemson, SC.
- 8:12** 2. (PhD) Optimizing insectary flower selection and spatial deployment for improving beneficial insects for pest management. **Pragya Kiju** (pkiju@clemson.edu), Clemson University, Coastal Research and Education Center, Charleston, SC.
- 8:24** 3. (PhD) Spatiotemporal variation in predation and parasitism influences insect survival. **Laurent Duverglas**^{1,3} (duvergl@email.sc.edu) & Carol Boggs^{1,2,3}, ¹Dept. of Biology, University of South Carolina, ²School of Earth, Ocean and Environment, University of South Carolina, ³Rocky Mountain Biological Laboratory, Crested Butte, CO.
- 8:36** 4. (PhD) Refining treatment thresholds of insect pests in South Carolina soybeans using simulated injury and natural populations of insect pests. **Adam Whitfield** (aywhitf@g.clemson.edu), Jeremy Greene, and Francis Reay-Jones², ¹Clemson University Edisto Research and Education Center, Blackville, SC, ²Clemson University, ²Pee Dee Research and Education Center, Florence, SC., Clemson University Edisto Research and Education Center, Blackville, SC.
- 8:48** 5. (PhD) Interspecific competition between major pests of field corn in the southeast. **Tim Bryant** (timb@clemson.edu), Jeremy Greene,

and Francis Reay-Jones, Clemson University, Pee Dee Research and Education Center, Florence, SC.

- 9:00** 6. (PhD) Enhancing the biological control of diamondback moth (*Plutella xylostella*) through habitat management for sustainable brassica production in the southeastern U.S. **Amna Ghani** (aghani@clemson.edu), and Tom Bilbo, Clemson University, Coastal Research and Education Center, Charleston, SC.
- 9:12** 7. (PhD) Alpha-gal syndrome in South Carolina. **Emily Owens Pickle***¹ (owenspie@email.sc.edu), Eleanor Saunders², Julia Vorobiov², Scott Commins³, and Melissa Nolan³. ¹ Arnold School of Public Health, University of South Carolina, ² Institute for Global Health and Infectious Diseases, University of North Carolina at Chapel Hill, NC, ³Departments of Medicine & Pediatrics, Division of Allergy and Immunology, University of North Carolina at Chapel Hill, NC.
- 9:24** 8. The Moths of Spring Island. **Brian Scholtens** (scholtensb@cofc.edu), College of Charleston, Charleston, SC.
- 9:36** 9. (MS) Abundance and diversity of pollinators on selected vegetable crops. **Lovelyn Buhchang Epouse Ngwa** (blngwa@aggies.ncat.edu), Department of Natural Resources and Environmental Design, North Carolina Agricultural & Technical State University, Greensboro, NC.
- 9:48** 10. (UG) Photographing bycatch and putting it online: the benefits of consolidation. **Nikolai Artley** (nartley@clemson.edu), Clemson University Arthropod Collection, Clemson, University, Clemson, SC.

10:00 **Break**

Non-Student Papers
David Jenkins, Moderator

- 10:12** 11. Invasive species investigation: Asian longhorned tick *Haemaphysalis longicornis* (Acari: Ixodidae) in York County, South Carolina. **Lidia Gual-Gonzalez**¹ (lidiag@email.sc.edu), Kyndall C. Dye-Braumuller¹, Lauren P. Rustin², Chris L. Evans², Mike J. Neault³, and Melissa S. Nolan¹. ¹Department of Epidemiology and Biostatistics, University of South Carolina, ²Vector-Borne Diseases Laboratory, South Carolina Department of Health and Environmental Control, Columbia, SC, ³College of Agriculture, Forestry, and Life Sciences, Clemson University, Columbia, SC.
- 10:24** 12. A survey of the Cerambycidae of South Carolina. **Paul Baker** (pd baker@clemson.edu), Clemson University, Pee Dee Research and Education Center, Florence, SC.

- 10:36** 13. Fifty years of change in body size of moths in Charleston County. **Madison Stessman** (madisonstessman@gmail.com), Dept. of Biological Sciences, University of South Carolina, Columbia, SC.
- 10:48** 14. Richard Dominick's Wedge Plantation Moths: a historically and ecologically important collection, revisited. **Eric LoPresti**¹ (eric.lopresti@sc.edu) and Brian Scholtens², ¹Dept. of Biological Sciences, University of South Carolina, Columbia, SC, ²Dept. of Biology, College of Charleston, Charleston, SC.
- 11:00** 15. Status of the yellow legged hornet, *Vespa velutina*, in the U.S. **Benjamin Powell** (bpowel2@clemson.edu), Clemson University, Pee Dee Research and Education Center, Florence, SC.
- 11:12** 16. Striving for IPM in southeastern vegetable production. **Tom Bilbo** (tbilbo@clemson.edu), Clemson University, Coastal Research and Education Center, Charleston, SC.
- 11:24** 17. Whitefly resistance in *Capsicum annuum* (pepper) germplasm. **Alvin M. Simmons** (alvin.simmons@usda.gov) and William B. Rutter, USDA, ARS, U.S. Vegetable Laboratory, Charleston, SC.
- 11:36** 18. Exploring selected plant species as new hosts for the whitefly (*Bemisia tabaci*). **Petrina McKenzie-Reynolds** (petrina.reynolds@usda.gov) and Alvin Simmons, USDA, ARS, U.S. Vegetable Laboratory, Charleston, SC.
- 11:48** 19. Advances in the systematics and taxonomy of whitefly parasitoids (Hymenoptera: Chalcidoidea, Platygastroidea). **Zachary Lahey**¹ (Zachary.lahey@usda.gov), R. Luke Kresslein², Jason Mottern³, John Heraty², Andrew Polaszek⁴, Sharon Andreason¹, and Alvin M. Simmons¹. ¹Agricultural Research Service, United States Department of Agriculture, U.S. Vegetable Laboratory, Charleston, SC, ²Department of Entomology, University of California, Riverside, California, ³Animal Plant Health Inspection Service, United States Department of Agriculture, Beltsville, Maryland, ⁴Department of Life Sciences, Natural History Museum, London, UK.
- 12:00- 1:30** **Awards Luncheon**
- 1:30** 20. Genus *Cladonata* Stal, 1869 (Hemiptera: Membracidae: Membracinae: Hypsoprorini). **Dawn J. Flynn** (dawn.flynn@gastonia.nc.gov), Adjunct Curator of Entomology, Schiele Museum, Gastonia, NC.

- 1:42** 21. Laboratory evaluation of the efficacy of granular ant baits for control of *Brachyponera chinensis*, the Asian needle ants. Jinbo Song, Brittany Ellis, and **Eric Benson** (ebenson@clermson.edu) Urban Entomology Laboratory, Clemson University, Clemson, SC
- 1:54** 22. Global challenges: course design and activities students will love. **Suellen Pometto** (spomett@g.clemson.edu), Clemson University, Clemson, SC.
- 2:06** 23. Caddisfly: the massive story of something small. **Michael Ferro** (spongymesophyll@gmail.com), Clemson University Arthropod Collection, Clemson University.
- 2:15-3:00** **Adjourn and Board Meeting with new SCES Officers and Committees.**

- 1983 Thomas E. Skelton
- 1984 Alfred R. Hopkins
- 1985 Kenneth A. Peeples
- 1986 Clyde S. Gorsuch
- 1987 Jay W. Chapin
- 1988 William P. DuBose
- 1989 David R. Alverson
- 1990 John C. Morse
- 1991 J. Benjamin Kissam
- 1992 Steven H. Roach
- 1993 John D. Hopkins
- 1994 B. Merle Shepard
- 1995 Randall P. Griffin
- 2023 Sharon A. Andreason

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1978	Augustine Day	2018	Livy Williams
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1980	Charles A. Thomas	2020	Jess Hartshorn
1981	Ray Noblet	2021	Michael L. Ferro
1982	John A. DuRant	2022	Paula Levin Mitchell

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1975	Frank Davis	2003	Ozlem Kalkar
1976	Wayne Gardner	2004	Eric Paysen
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1990	Marianne Willey	2017	Thomas Bilbo
1991	Stuart Reitz	2020	Jenna Crowder
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1995	Jeffery Tomberlin	2022	Mandeep Tayal
1996	Jennifer Zettler		
1997	Kristen van den Meiracker		

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1993 Sidney B. Hays
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1999 Peter H. Adler
2002 James A. Reinert and Alfred G. Wheeler
2005 John C. Morse
2008 B. Merle Shepard
2011 Sam Turnipseed
2014 Gerry Carner
2017 D. Michael Jackson
2020 Paula Levin Mitchell
2023 Gloria McCutcheon

South Carolina Entomological Society Elected Officers and Committee Chairs (2023)

Elected Officers:

Executive Director: David Jenkins, South Carolina Forestry Commission, 5500 Broad River Road, Columbia, SC 29212; djenkins@scfc.gov

President: Sharon A. Andreason, USDA-ARS U.S. Vegetable Laboratory, 2700 Savannah Hwy, Charleston, SC 29414; Sharon.andreason@usda.gov

VP/President Elect: David Jenkins, South Carolina Forestry Commission, 5500 Broad River Rd, 29212; djenkins@scfc.gov

Past President: Paula Levin Mitchell, Department of Biology, Winthrop University, Rock Hill, SC 29733; leptoglossus@yahoo.com

Treasurer: Brian Scholtens, College of Charleston, 66 George Street, Charleston, SC 29424; scholtensb@cofc.edu

Secretary: Zachary Lahey, USDA-ARS U.S. Vegetable Laboratory, 2700 Savannah Hwy, Charleston, SC 29414; Zachary.lahey@usda.gov

Historian: Gerry Carner, Clemson University, 318 Long Hall, Clemson, SC 29634; gcarner@clemson.edu

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Nomination: Paula Levin Mitchell, Department of Biology, Winthrop University, Rock Hill, SC 29733; leptoglossus@yahoo.com

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