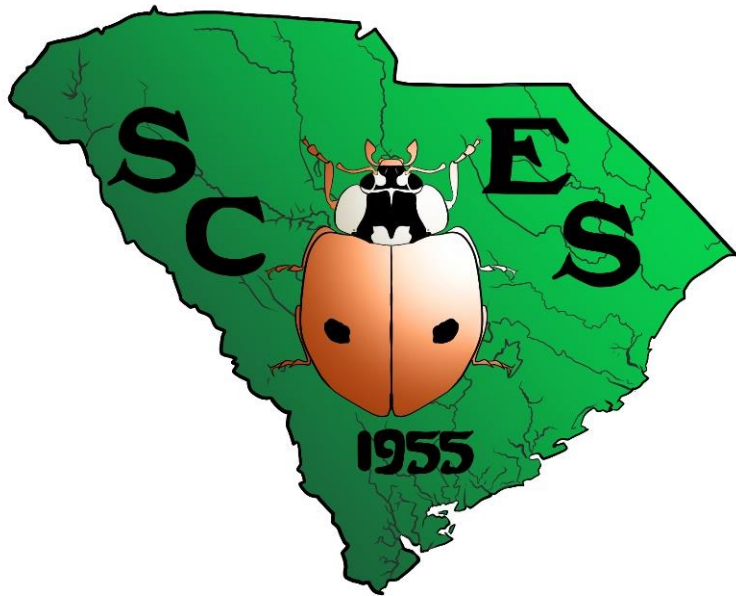


The 68th Annual Meeting
of the
**SOUTH CAROLINA
ENTOMOLOGICAL SOCIETY**



*Baruch Institute of Coastal Ecology and
Forest Science, Clemson University*

Hobcaw Barony

Georgetown, South Carolina

6-7 October 2022

SOUTH CAROLINA ENTOMOLOGICAL SOCIETY

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Nominations. Michael L. Ferro, Clemson University Arthropod Museum, 307 Long Hall, Clemson University, Clemson, SC 29634. spongymesophyll@gmail.com

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

Editorial. Juang Horng "JC" Chong, Pee Dee REC, Clemson University, 2200 Pocket Road, Florence, SC 29506. juanghc@clemson.edu

Resolutions. Tom Bilbo, Coastal REC, Clemson University, 2700 Savannah Hwy, Charleston, SC 29414. tbilbo@clemson.edu



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2017 D. Michael Jackson
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| 1980 Glenn Lee | 2007 Ian Stocks |
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| 1988 Kevin Hoffman | 2013 Ernesto Robayo-Camacho |
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| 1993 Michael Floyd | 2020 Jenna Crowder |
| 1995 Jeffery Tomberlin | 2021 Peng Zhang |
| 1996 Jennifer Zettle | |



SOUTH CAROLINA ENTOMOLOGICAL SOCIETY

68th Annual Meeting Program

Hobcaw Barony

Thursday, 6 October 2022

AFTERNOON

- 12:30-1:30** Meeting Registration
- 1:30-2:30** Welcome, Business Meeting, Election
- 2:30-3:30** Keynote Speaker: Dr. Merle Shepard –
"Farmer Participatory IPM in S. E. Asia"
- 3:30-5:00** Insect Walk and Photo Safari
- 5:00-5:30** Poster Session
- 5:30-6:30** Hospitality Hour, Photo Safari Sorting and Preparation
- 6:30-??** Photo Salon and Dinner

Poster Presentations

Student

- D1. (UG) Bark-gnawing beetles (Coleoptera: Trogossitidae, *s. lat*) of South Carolina. **Nikolai Artley**, Annabelle Matthews, Alexandra Ratay, Courtney Stuart, Michael S. Caterino, and Michael L. Ferro. Clemson University Arthropod Collection, Clemson University, Clemson, SC.
- D2. (UG) Atlas of the male genitalia of *Temnoscheilavirescens* (F) (Coleoptera: Trogossitidae). **Annabelle Matthews**, Alexandra Ratay, Courtney Stuart, Michael S. Caterino, and Michael L. Ferro. Clemson University Arthropod Collection, Clemson University, Clemson, SC.
- D3. (UG) The Asian longhorned beetle (*Anoplophora glabripennis*) in South Carolina: is eradication possible? **Millar Elferdink**^{1,2}, Meredith Bean², Marina Lupu², Lena Schmitt², Katy Crout², Abby Ratcliff³, Kelly Oten³, Talbot Trotter⁴, Scott Pfister⁵, Robert Ritger², and David Coyle². ¹College of Charleston Honors College, Charleston, SC. ²Clemson University, Department of Forestry and Environmental Conservation, Clemson, SC. ³NC State University, Department of Forestry, Raleigh, NC. ⁴USDA Forest Service, Northern Research Station, Hamden, CT. ⁵USDA, APHIS, PPQ, S&T, Buzzards Bay, MA.
- D4. (MS) Effects of simulated injury by the tarnished plant bug, *Lygus lineolaris*, on cotton plant morphology and yield. **Shelby Durden**. Clemson University, Edisto Research & Education Center, Blackville, SC.

Poster Presentations, cont.

- D5. (MS) Using industrial hemp and cowpea in an intercropping system to increase pollinator abundance. **Gilbert N. Mukoko**, B. N. Dingha, and L. E. N. Jackai. Department of Natural Resources and Environmental Design, North Carolina Agricultural and Technical State University, Greensboro, NC.
- D6. (MS) Identification of vegetables attractive to specific pollinators. **Lovelyn B. Ngwa**, B. N. Dingha, and L. E. N. Jackai. Department of Natural Resources and Environmental Design, North Carolina Agricultural and Technical State University, Greensboro, NC.
- D7. (MS) Wnt inhibitor and diazepam binding inhibitor effects in *Culex quinquefasciatus* mosquitoes. **Tanesha Donaldson**¹, Chelsea Smartt², Tse-Yu Chen², and Kristen Lanzana². ¹Department of Biology, School of Natural Science and Mathematics, Claflin University, Orangeburg, SC. ²University of Florida, Florida Medical Entomology Laboratory, Vero Beach, FL.
- D8. (PhD) Variation of eye gnats (*Liohippелates*; Diptera: Chloropidae) diet in longleaf pine forests with a review of literature. **Alexandra Tsalickis**¹, Kier D. Klepzig², and Jess A. Hartshorn¹. ¹Department of Forestry and Environmental Conservation, Clemson University, Clemson, SC. ²The Jones Center at Ichauway, Newton, GA.
- D9. (PhD) Seasonal dynamics of bermudagrass mite (*Aceria cynodoniensis*) in bermudagrass turf. **Matthew Brown** and JC Chong. Clemson University, Pee Dee Research and Education Center, Florence, SC.
- D10. (PhD) Species diversity of thrips of the coastal plains of South Carolina. **Dawn Scully Sikora**. Clemson University, Florence, SC.
- D11. (PhD) Museums in miniature: bringing entomology to South Carolina schools. **Patricia Wooden**, Caitlin Silva, Adam Haberski, Lily Margeson, and Michael Ferro. Clemson University Department of Plant & Environmental Sciences, Clemson University Arthropod Collection, Clemson, SC.

Non-Student

- D12. U-RISE at Claflin University through collaborative interdisciplinary mentoring in biomedical and behavioral sciences. **Gloria S. McCutcheon**, Keyana Tyree, Tekiah McClary, Randall Harris, and Samina Noorali. Department of Biology, School of Natural Sciences and Mathematics, Claflin University, Orangeburg, SC.
- D13. Substrate type affects harvester ant granivory on mucilaginous seeds. **Madison Stessman**. University of South Carolina, Columbia, SC.
- D14. Transmission of cucurbit leaf crumple virus by the virus vector *Bemisia tabaci*. **Sharon A. Andreason** and Shaker Kousik. USDA, ARS, U.S. Vegetable Laboratory, Charleston, SC.

Friday, 7 October 2022
MORNING

8:00 Announcements

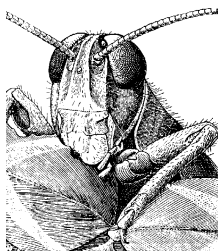
8:15-12:00 Paper Presentations

Student Papers

Moderator: Zachary Lahey

- 8:15 1. (UG) Defensive phragmosis and cathaptosis in Trichoptera larvae. **Megan J. Bishoff**¹, Lang Peng², Hao-Ming Zang², and John C. Morse¹. ¹Clemson University, Clemson, SC. ²College of Plant Protection, Nanjing Agricultural University, Nanjing, China.
- 8:30 2. (MS) The harlequin bug on collard -- the influence of mustard trap crop phenological stage and variety on invasion and damage on collard and possible underlying factors. **Felicita T. Ewunsoh**, Beatrice N. Dingha, Deepak Shrestha, and Louis E. N. Jackai. Department of Natural Resources and Environmental Design, North Carolina Agricultural and Technical State University, Greensboro, NC.
- 8:45 3. (MS) Pollinator community composition and diversity on Callery pear site. **Prabina Sharma**, Jessica Hartshorn, David Coyle, and James Forest Palmer. Clemson University, Clemson, SC.
- 9:00 4. (MS) Day and night pollinators contribute separately to the reproduction of a sand verbena (*Abronia fragrans*, Nyctaginaceae). **Sierra Jaeger**, Cecilia Girvin, Natalie Demarest, and Eric LoPresti. University of South Carolina, Columbia, SC.
- 9:15 5. (PhD) The relationship between biotic and abiotic drivers of pollinator population vital rates. **Laurent Duverglas**^{1,3} and Carol Boggs^{1,2,3}. ¹Department 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.
- 9:30 6. (PhD) Flower-visitors (bees and thrips) carry pollen-borne viruses in peaches in South Carolina. **Mandeep Tayal**¹, 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.
- 9:45 7. (PhD) Interspecific competition between two major pests of field corn in South Carolina. **Tim Bryant** and Francis Reay-Jones. Clemson University, Pee Dee Research and Education Center, Florence, SC.

10:00 BREAK



Non-Student Papers

Moderator: Sharon Andreason

- 10:15 8. Integrating citizen science with online biological collections to promote species and biodiversity literacy in entomology. **Christopher Paradise**. Davidson College Biology Department, Davidson, NC.
- 10:30 9. Temporal changes in diversity and abundance of mosquitoes in a small ecological preserve in North Carolina. **Carmony Hartwig**. Catawba College, Salisbury, NC.
- 10:45 10. Pre-plant dip as an effective method to “start clean and stay clean” in greenhouse production. **JC Chong**. Department of Plant and Environmental Sciences, Pee Dee Research and Education Center, Clemson University, Florence, SC.
- 11:00 11. An investigation to identify and manage potential insect pests on amaranth, a new crop with great potential in North Carolina. **Deepak Shrestha**, Beatrice N. Dingha, and Louis E. N. Jackai. Department of Natural Resources and Environmental Design, North Carolina Agricultural and Technical State University, Greensboro, NC.
- 11:15 12. Population prediction of whiteflies (*Bemisia tabaci*) in changing environments in Egypt. **Alvin M. Simmons**¹, Shaaban Abd-Rabou², Ahmed A. Farag², Buddhi Pantha³, and Naveen K. Vaidya⁴. ¹USDA, ARS, U.S. Vegetable Laboratory, Charleston, SC. ²Ministry of Agriculture, ARC, PPRI, Dokki, Giza, Egypt. ³Abraham Baldwin Agricultural College, Tifton, GA. ⁴Department of Mathematics and Statistics, San Diego State University, San Diego, CA.
- 11:30 13. Systematic status of the whitefly parasitoid genus *Eretmocerus* Haldeman (Hymenoptera: Aphelinidae). **Zachary Lahey**¹, Andrew Polaszek², Alvin M. Simmons¹, and Sharon A. Andreason¹. ¹USDA, ARS, U.S. Vegetable Laboratory, Charleston, SC. ²The Natural History Museum, Department of Life Sciences, London, UK.
- 11:45 14. South Carolina longhorn beetle survey. **Paul D. Baker**. Pee Dee Research & Education Center, Florence, SC.

AFTERNOON

12:00-1:30 Awards Luncheon

1:30-2:30 Adjourn and Board Meeting with New SCES Officers and Committees



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