

Monday – November 8, 2021

- 9:00 Executive Committee Meeting
- 12:15 Registration (Bost)
- 1:00 M.S. and Ph.D. Student Paper Competition
-5:00 (Bost Theater) and Poster Competition (Bost South)
- 6:00 **Industry Sponsored Mixer and Steak Supper.
Student Competition Awards.
New faculty meet and greet. (Bull Barn)**

M.S. Student Competition Section 1

Abby Jones, Moderating

- 1:00 Welcome—**Jenny Ryals, Presiding**
- 1:06 Novel use strategies of NPVs in midsouthern cropping systems. **Judge Fortenberry**, A. Catchot, D. Cook, W. Crow and J. Gore.
- 1:18 Climate prediction models for redbanded stink bug. **Thomas Paul**, S. Ward, and A. Catchot.
- 1:30 Adult bollworm control to prevent economical yield damage in Mississippi cotton. **Brett Farmer**, J. Gore, A. Catchot, W. Crow, D. Cook, and B. Pieralisi.
- 1:42 'Sweet' silk glands: a glucose– conjugating enzyme is highly expressed in silk glands of moths. **Courtney Wynn** and S. Ahn.
- 1:54 Benefit of insecticide seed treatment on ThryvOn cotton. **Tyler Parker**, A. Catchot, J. Gore, W. Crow, D. Cook.
- 2:06 Determining residual and systemic activity of chlorantraniliprole in soybean. **Jacob Smith**, W. Crow, A. Catchot, J. Gore, and D. Cook.
- 2:18 Investigating the role of *Cimex lectularius* in *Bartonella henselae* transmission. **Afsoon Sabet**, M. Embers, E. Dalliance, S. Ward, and J. Goddard.
- 2:30 **Break (12 minutes)**

M.S. Student Competition Section 2

Jacob Smith, Moderating

- 2:42 Evaluation of soybean varieties for managing southern blight in Mississippi soybean. **Adam Connor**, T. Allen, A. Jimenez, W. Solomon, B. Burgess, and T. Wilkerson.
- 2:54 Impact of insects on the growth and development of cotton. **Seth Permenter**, J. Gore, W. Crow, A. Catchot, and D. Cook.

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M.S. Student Competition Section 2 cont.

- 3:06 Insect management in midsouth cotton production systems. **Michael Huoni**, J. Gore, W. Crow, A. Catchot, and D. Cook.
- 3:18 Ant diversity of southeastern crosslands: a comparative study of powerline right-of-way on the Cumberland plateau. **Zachary Brown**, and J. Hill.
- 3:30 The impact of founding population size on establishment success of crape myrtle bark scale. **Erika Wright**, S. Ward, and K. Chase.
- 3:42 The contribution of electric transmission rights-of-way to pollinator diversity on the Cumberland plateau. **Brady Dunaway** and J. Hill.
- 3:54 **Break (12 minutes)**

Ph.D. Student Competition Section 1

Michael Huoni, Moderating

- 4:06 Movement of woodwasps in international invasion pathways with an emphasis on North American ports. **Kenda Wagner**, S. Ward, A. Liebhold, E. Brockerhoff, R. Turner, and J. Riggins.
- 4:18 Molecular cloning of a ryanodine receptor, a target of diamide insecticide, in the soybean looper. **Sena Isbilir**, F. Musser, and S. Ahn.
- 4:30 Identifying coastal forests potentially in danger of baldcypress leafroller outbreaks. **Kristy McAndrew**, and S. Ward.
- 4:42 Ecosystem consequences of mass mortality events. **Abby Jones**, J. Goddard, M. Lashley, S. Webb, and B. Barton.
- 4:54 **Adjourn**

Graduate Poster Competition

1. Determining chlorantraniliprole translocative activity in cotton flowers. **Jacob Smith**, W. Crow, A. Catchot, J. Gore, and D. Cook.
2. Can a tree anticipate fire? Evidence of nutrient translocate ion in response to smoke in east African ant acacia. **Clayton Ziemke**.

Tuesday – November 9, 2021

- 7:30 Registration Opens (Bost)
- 8:00 General Session (Bost Theater)
- 12:05 Awards Luncheon. Business meeting to follow. (Bost)

General Session (Bost Theater)

Tyler Parker, Moderating

- 8:00 Call to Order—**Jenny Ryals, Presiding**
- 8:05 Why haven't we managed insecticide resistance? **Fred Gould**
- 8:35 Socio-economic factors that influence adoption of pest resistance management practices at the community scale. **Steven Bradbury**
- 9:05 EPA's role in encouraging management. **Kelly Tindall**, N.Mallampalli, B.Chism, and K. Welch.
- 9:35 Medical effects and control of bed bugs. **Jerome Goddard**
- 10:05 New Faculty Showcase: Seung-Jung Ahn
- 10:10 New Faculty Showcase: Samuel Ward
- 10:15 New Faculty Showcase: Priya Basu
- 10:20 **Break (10 min)**

Brett Famer, Moderating

- 10:30 New Faculty Showcase: Olabimpe Okosun
- 10:35 New Faculty Showcase: Justin George
- 10:40 New Faculty Showcase: Michael Goblirsch
- 10:45 Honey bee cell culture as a tool for toxicology research. **Michael Goblirsch**.
- 11:00 New Faculty Showcase: Kaitlin Baudier
- 11:05 Thermal adaptation of the Mexican paper wasp in the southeastern United States. **Kaitlin Baudier** and F. More-Keper Uy

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- 11:20 Progress toward an inventory of the ants of Santa Barbara County, California. **Zach Brown**, E. Tan and K. Seltmann.
- 11:35 Deployment of real-time genomic surveillance methodologies for emerging and evolving patho gens. **Kurt Showmaker** and B. Martin.
- 11:50 Mississippi Bug Blues– Outreach education high lights 2020-2021. **Beverly Keasler**, J. Seltzer, J. Hill, J. Gesell, and A. Baker.
- 12:05 Awards Luncheon (Bost South)

Business Meeting

- TBD At the Conclusion of the Awards Luncheon.
JoVonn Hill. Presiding

General Posters

- 1 Observations of thermotaxis in the tawny crazy ant at the microhabitat level. **David Cross** and M. Caprio
- 2 Results of exotic insect pest trapping surveys conducted by the Mississippi Entomological Museum in 2020-2021. **Jordan Gesell**, J. Seltzer, and J. Hill.
- 3 Results from the regional screening center of the USDA-APHIS for the 2020-2021 exotic pest surveys I including new county records. **Matthew Thorn**, J. Seltzer, and J. Hill.
- 4 Effects of mating duration and nutrition on oviposition activation fecundity on small hive beetle. **Audrey Sheridan**, E. Johnson, and J. Harris.
- 5 Evaluation of seed treatments in cotton to control tobacco thrips in Mississippi. **Dung Bao**, A. Catchot, D. Cook, W. Crow, J. Gore, C. Speights, and J. Smith.
- 6 Mississippi Bug Blues– Virtual outreach in response to COVID-19 in 2020-2021. **Beverly Keasler**, J. Seltzer, J. Hill, J. Gesell, and A. Baker.

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10th Annual

Mississippi Entomological Association



Mississippi Association of Plant Pathologists and Nematologists



Meeting November 8-9, 2021

Bost Extension Center Mississippi State University

