

# Conor G. Fair, Ph.D.

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## PROFESSIONAL POSITIONS

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2024-Pres: **Assistant Research Scientist**, College of Agricultural and Environmental Sciences, University of Georgia, Griffin, GA

## EDUCATION, RESEARCH, AND TRAINING

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2022-2023: **Postdoctoral Research Associate**, Dept. of Entomology, University of Georgia, Athens, GA  
PI: Kris Braman

Dec. 2021: **Ph.D.**, Entomology, University of Georgia, Athens, GA  
Advisors: Joseph McHugh and Michael Ulyshen  
Dissertation: The effects of fire spatial characteristics on pollinators with a focus on prescribed fires in the Southeastern United States

Dec. 2015: **M.S.**, Entomology, University of Georgia, Athens, GA  
Advisor: Kris Braman  
Thesis: Evaluation of integrated pest management tools used to control squash bugs, *Anasa tristis*, (Hemiptera: Coreidae) in squash

May 2013: **B.A.** in Biology, Simpson College, Indianola, IA, *Magna Cum Laude*

## REVIEWED PUBLICATIONS

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9. Epele LB, Williams-Subiza EA, Bird MS, Boissezon A, Boix D, Demierre E, **Fair CG**, García PE, Gascón S, Greech MG, Greig HA, Jeffries M, Kneitel JM, Loskutova O, Manzo LM, Maltchik L, Mataloni G, McLean K, Mlambo MC, Oertli B, Pires MM, Sala J, Scheibler EE, Stenert C, Wu H, Wissinger SA, Batzer DP. 2023. A global assessment of environmental and climate controls on wetland macroinvertebrate structure and function. (In Press: Global Change Biology)
8. Babu A, Rhodes EM, Rodriguez-Sanoa C, Liburd OE, **Fair CG**, Sial AA. 2023 Comparison of multimodal attract-and-kill formulations for managing *Drosophila suzukii*: behavioral and lethal effects. *PLOS ONE* 18: e0293587-e0293587. DOI: [10.1371/journal.pone.0293587](https://doi.org/10.1371/journal.pone.0293587)
7. **Fair CG**, Braman SK. 2023. Socio-psychological determinants of pollinator conservation behaviors. *Frontiers in Sustainable Cities* 5: 1165296. DOI: [10.3389/frsc.2023.1165296](https://doi.org/10.3389/frsc.2023.1165296)
6. Peterman JP, **Fair CG**, Brown H, Braman SK, VanWinkel M. 2023. Assessing ecological impacts of cultivated hybrids of milkweed (*Asclepias*). *Journal of Environmental Horticulture* 41: 87-96. DOI: [10.24266/0738-1898-41.3.87](https://doi.org/10.24266/0738-1898-41.3.87)
5. Braman SK, Pennisi B, **Fair CG**, Quick JC. 2022. Pollinator cultivar choice: an assessment of season-long pollinator visitation among Coreopsis, Aster, and Salvia cultivars. *Frontiers in Sustainable Cities* DOI: [10.3389/frsc.2022.988966](https://doi.org/10.3389/frsc.2022.988966)
4. Ulyshen MD, Hiers JK, Pokswinski SM, **Fair CG**. 2022. Pyrodiversity promotes pollinator diversity in a fire-adapted landscape. *Frontiers in Ecology and the Environment* 20: 78-83 DOI: [10.1002/fee.2436](https://doi.org/10.1002/fee.2436)
3. **Fair CG**, Braman SK. 2019. Predation of *Anasa tristis* (Hemiptera: Coreidae) by *Geocoris punctipes* (Hemiptera: Geocoridae). *Journal of Entomological Science* 54: 87-92 DOI: [10.18474/JES18-66](https://doi.org/10.18474/JES18-66)
2. Bush BM, Ulyshen MD, **Fair CG**, Batzer DP. 2018. Assessing the effects of mesh enclosures on invertebrates and litter breakdown in a floodplain forest of the Southeastern USA. *Wetlands Ecology and Management* DOI: [10.1007/s11273-018-9648-1](https://doi.org/10.1007/s11273-018-9648-1)

1. **Fair CG**, Braman SK. 2017. Assessment of habitat modification and varied planting dates to enhance potential natural enemies of *Anasa tristis* (Hemiptera: Coreidae) in squash. *Environmental Entomology* 46: 291-298 DOI: [10.1093/ee/nvx043](https://doi.org/10.1093/ee/nvx043)

## **PUBLICATION IN PREPARATION**

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Howard P, **Fair CG**, Smith O, Braman SK, Snyder W. Evaluating bee diversity of southeast Georgia's blueberry farms.

Ulyshen MD, **Fair CG**, Pokswinski SM, Hiers JK. Effects of burn size on pollinator communities in the fire adapted longleaf pine ecosystem.

Ulyshen MD, **Fair CG**, Horn S. Effects of distance from fire free refugia and time since fire on pollinator communities.

**Fair CG**, Ulyshen MD, McHugh JV. How does the size of fire affect pollinators?

## **INVITED PRESENTATIONS**

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2023 **Fair CG**. Pollinator Conservation in Urban Landscapes. Georgia Mosquito Control Association, Jekyll Island, GA. {Oral Presentation}

2018 **Fair CG**, Ulyshen MD, Pokswinski SM, Hiers JK. Impacts of large prescribed burns on pollinators in the longleaf pine ecosystem. National Meeting of the Entomological Society of America, Vancouver, British Columbia. {Oral Presentation}

## **ACADEMIC PRESENTATIONS**

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2023 **Fair CG**, Braman SK. Homeowner associations and pollinator garden aesthetics. National Meeting of the Entomological Society of America, National Harbor, MD. {Poster Presentation}

2023 **Fair CG**. Filling a gap in entomology graduate student education: a course on statistics and experimental design. Annual Meeting of the Georgia Entomological Society, Helen, GA. {Poster Presentation}

2023 **Fair CG**, Braman SK. Harnessing behavioral psychology to encourage individuals' adoption of pollinator conservation behaviors. Southeastern Branch of the Entomological Society of America, Little Rock AR. {Oral Presentation}

2022 **Fair CG**, Braman SK. What leads to changes in the intention to commit to pollinator conservation behaviors? Protecting Pollinators in Ornamental Landscapes, Athens GA {Poster Presentation}

2020 **Fair CG**, Ulyshen MD, Pokswinski SM, Hiers JK. Effects of large-scale prescribed burns on pollinator communities in the Southeastern United States. Joint Eastern and Southeastern Branch of the Entomological Society of America, Atlanta GA. {Poster Presentation} – Conference cancelled due to COVID-19

2019 **Fair CG**, Ulyshen MD, Pokswinski SM, Hiers JK. Effects of large-scale prescribed burns on pollinator communities in the Southeastern United States. Southeastern Branch of the Entomological Society of America, Mobile AL. {Poster Presentation}

2018 **Fair CG**, Horn S, McHugh JV, Ulyshen MD. Investigating the effects of Prescribed Burn Size on Pollinator Communities in the Piedmont National Wildlife Refuge. Georgia Entomological Society, Helen, GA. {Poster Presentation}

2018 **Fair CG**, Horn S, Ulyshen MD. The Effects of Distance from Fire Free Refugia on Pollinator Communities in Loblolly Pine Forests. Southeastern Branch of the Entomological Society of America, Orlando FL. {Oral Presentation}

2016 **Fair CG**, Horn S, McHugh JV, Ulyshen MD. Impacts of Prescribed Fires on Forest Pollinator Communities: Implications for Burn Size. International Congress of Entomology, Orlando FL. {Poster Presentation}

- 2015 **Fair CG**, Braman SK. Integrated pest management methods used to increase abundance of natural enemies of squash bugs *Anasa tristis* (DeGeer) (Hemiptera: Coreidae) in squash. National Meeting of the Entomological Society of America, Minneapolis MN. {Oral Presentation}
- 2015 **Fair CG**, Braman SK. Influence of planting date and floral resources on squash bugs, *Anasa tristis* (DeGeer). Georgia Entomological Society, Jekyll Island, GA. {Poster Presentation}
- 2015 **Fair CG**, Braman SK. Influence of planting date and floral resources on squash bugs. Southeastern Branch of the Entomological Society of America, Biloxi MS. {Oral Presentation}
- 2013 **Fair CG**, Krejsa DM, Gochenour BK, Meyer CK. Comparing macroinvertebrate assemblages in Iowa headwater streams that differ in severity of agricultural impacts. Iowa Academy of Science, Indianola, IA. {Oral Presentation}
- 2012 **Fair CG**, Sword G, Ek-Ramos MJ, Heinz K. Can fungal endophytes be used to control ornamental insect pests? Entomological Society of American Entomology 2012, Knoxville TN. {Oral Presentation}

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#### COLLABORATOR AND STUDENT PRESENTATIONS \*Presenting Author, †Mentored Student, †Undergraduate Author

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- 2023 \*†Muhammad N, **Fair CG**, Braman SK. Pollinator cultivar choice: comparing visitation among *Salvia*, *Echinacea*, and *Lantana* cultivars. UGA Emerging Scholars Symposium {Poster Presentation}
- 2023 \*†Forrestall RA, Braman SK, Edelkind-Vealey M, **Fair CG**. Life is a highway: variation of pollinator communities and their proximity to a road. Odum School Graduate Student Symposium {Poster Presentation}
- 2022 \*Braman SK, Pennisi B, **Fair CG**, Quick JC. Pollinator cultivar choice: an assessment of season-long pollinator visitation among *Coreopsis*, *Aster*, and *Salvia* cultivars. National Meeting of the Entomological Society of America, Vancouver, British Columbia. {Poster Presentation}
- 2022 \*Braman SK, Pennisi B, **Fair CG**, Quick JC. Pollinator cultivar choice: an assessment of season-long pollinator visitation among *Coreopsis*, *Aster*, and *Salvia* cultivars. Protecting Pollinators in Ornamental Landscapes, Athens GA {Poster Presentation}
- 2022 \*†Lauterbach A, **Fair CG**, Edelkind M, Braman SK. A comparative study of bee genus diversity and abundance in urban agriculture sites versus urban ornamental sites in Athens, GA. UGA CURO Conference {Oral Presentation}
- 2021 \*Ulyshen MD, Hiers JK, Pokswinski SM, Wilson AC, Ohlson GC, **Fair CG**. Effects of prescribed fire and forest age on pollinator diversity in the longleaf pine ecosystem. North American Forest Insect Work Conference {Oral Presentation}
- 2015 \*\*Reeves S., **Fair CG**, Braman SK. Does farmscaping and planting date lower squash bug populations in squash? Young Scholar Presentation, Griffin GA. {Poster Presentation}

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#### TEACHING EXPERIENCE

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- **Advanced Quantitative Analysis** (University of Georgia, ENTO 8900) – *Instructor of Record*  
Instruct graduate students learn about R statistical software, coding language, data visualization, statistical analysis, and experimental design using classical lectures, active learning tools, and small group discussions. Modified course to allow for optional virtual enrollment/attendance for non-traditional students and auditors.
  - Spring 2023 – 1 section, 9 students
  - Fall 2022 – 1 section, 12 students
- **Insects and the Environment** (University of Georgia, ENTO 2010E) – *Co-Instructor of Record*  
Created a new online synchronous large-enrollment course introducing basic entomology concepts to undergraduate non-major students. We used classical lectures, active learning tools, and group projects to meet learning objectives. Co-taught with Postdoctoral Fellow Amanda Meier.
  - Spring 2021 – 1 section, 98 students
  - Fall 2020 – 1 section, 90 students

- **Insects and the Environment** (University of Georgia, ENTO 2010) – *Lecture TA*  
Collaborated with faculty to develop and grade student assessments (quizzes and exams). Organized transition of lectures and assessments to online instruction during COVID-19 pandemic.
  - Spring 2020 – 2 sections, 201 students
- **Principles of Biology Lab II** (University of Georgia, BIOL 1108) – *Laboratory TA*  
Prepared lectures, writing assignments, and exams testing critical thinking skills involving organismal diversity and basic ecology. Guided students through inquiry-based labs, field investigations, and group research projects. Developed teaching modules to teach basic statistics to help student research projects.
  - Spring 2019 – 2 sections, 48 students
  - Spring 2014 – 2 sections, 48 students
  - Fall 2013 – 2 sections, 48 students
- **Insect Taxonomy** (University of Georgia, ENTO 8010) – *Laboratory TA*  
Prepared lectures and lab practical exams for graduate-level course. Collaborated with faculty instructor to improve and update course content and design to reflect current literature and managed field trips to collect specimens.
  - Fall 2019 – 1 section, 11 students
  - Fall 2018 – 1 section, 17 students
- **General Entomology** (Simpson College, BIOL 245) – *Laboratory TA*  
Aided students in learning laboratory and field skills. Organized lab materials for lectures and field trips. Facilitated peer study sessions and assisted in grading lecture and lab materials.
  - Fall 2012 – 1 section, 20 students
- **Principles of Ecology** (Simpson College, BIOL 253) – *Laboratory TA*  
Aided students in learning laboratory and field skills. Organized lab materials for lectures and field trips. Facilitated peer study sessions and assisted in grading lecture and lab materials.
  - Fall 2011 – 1 section, 18 students

## GUEST LECTURES

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### 2023

- Pollinator Conservation
  - Bees and Beekeeping (ENTO 3010), University of Georgia, Department of Entomology

### 2022

- Pollinator Conservation
  - Bees and Beekeeping (ENTO 3010), University of Georgia, Department of Entomology

### 2020

- Diptera and Hymenoptera Biodiversity
  - Insects and the Environment (ENTO 2010), University of Georgia, Department of Entomology

### 2019

- Pollinator Conservation
  - Insect Outreach (ENTO 4300S), University of Georgia, Department of Entomology
- Hymenoptera Anatomy, Morphology, and Classification
  - Insect Taxonomy (ENTO 8010), University of Georgia, Department of Entomology

### 2018

- Hymenoptera Anatomy, Morphology, and Classification
  - Insect Taxonomy (ENTO 8010), University of Georgia, Department of Entomology

## STUDENTS MENTORED – (THEIR CURRENT POSITION)

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|---|--|
| • Nandi Muhammad (Student, Tuskegee University) | • Riley Forrestall (Student, UGA)            |
| • Hannah Brown (Graduate Student, GA Southern)  | • Abigail Lauterbach (Graduate Student, UGA) |

- Sara Reeves (Ag Education – High School Teacher)
- Elizabeth Tepe (RN at Emory Hospital)

## OUTREACH AND EXTENSION

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Mar. 2023	Questival – University of Georgia
Sep. 2022	Insectival – University of Georgia
Mar. 2022	Green County Primary School Native Pollinator Outreach – University of Georgia
Jan. 2022	UGA Extension Pollinator and Beneficial Insect Course – University of Georgia
Jan. 2020	UGA CAES Orientation 2.0 – H.O. Lund Club
Oct. 2019	UGA Cattlemen Assoc. Halloween Havoc – H.O. Lund Club
Sep. 2019	Insectival – H.O. Lund Club
May 2018	Pollinator Outreach Presentation – University of Georgia
Jul. 2013	Outreach & Extension Coordinator – DOW Chemical

## PEER REVIEW (NUMBER OF REVIEWS)

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- Insects (5)
- Horticulturæ (1)
- Natural Sciences Education (1)

## UNIVERSITY AND PROFESSIONAL SERVICE

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Nov. 2023	Served as student oral presentation judge, National Meeting of ESA, National Harbor, MD
Mar. 2023	Served as student oral presentation judge, SE branch of ESA, Little Rock, AR
Oct. 2022	Bee Identification Workshop, Protecting Pollinators in Urban Landscapes, Athens GA
Mar. 2020	Organized symposium titled, “Getting there from here: paths less traveled to, through, and beyond graduate studies”, Joint Eastern and SE Branch of ESA – Cancelled due to COVID-19
2019 – 2020	Chair of Student Affairs Committee, SE Branch of ESA
Mar. 2019	Organized symposium on mosquito biology, SE Branch of ESA, Mobile AL
2018 – 2019	Student Representative for the Student Affairs Committee, SE Branch of ESA
Mar. 2018	Organized symposium on pollinator management, SE Branch of ESA, Orlando FL
2017 – 2018	Treasurer of the H.O. Lund Club, University of Georgia, Department of Entomology
2015 – 2016	President of the H.O. Lund Club, University of Georgia, Department of Entomology
2014 – 2015	Vice President of the H.O. Lund Club, University of Georgia, Department of Entomology

## HONORS AND AWARDS

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2019	Herbert H. Ross Memorial Scholarship, University of Georgia, Athens, Ga
2019	Sparks Outstanding PhD. Student Achievement in Outreach, University of Georgia
2019	Outstanding Teaching Assistant Award, University of Georgia
2018	Outstanding PhD. Student, Georgia Entomological Society, Helen, GA
2018	U.E. Brady Award (1 <sup>st</sup> Place in Poster Competition) Georgia Entomological Society, Helen, GA
2018	2 <sup>nd</sup> place in the Linnaean games, Southeastern Branch of ESA, Orlando, FL
2018	1 <sup>st</sup> place in Student Poster Competition, Lund Week, Athens, GA
2017	1 <sup>st</sup> place in Three Minute Thesis Competition, Lund Week, Athens, GA
2016	1 <sup>st</sup> place in Student Poster Competition, International Congress of Entomology, Orlando, FL
2013	Hiram Doty Research Award in Biology and Environmental Sciences, Simpson College
2013	2 <sup>nd</sup> place in Student Oral Competition Iowa Academy of Science, Indianola, IA
2009	Boy Scouts of America: Eagle Scout Rank

## PROFESSIONAL DEVELOPMENT

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2023	Digilab/Carpentries Git workshop, Athens GA
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- 2023 Southeast Bumble Bee Atlas Workshop, Athens GA
- 2023 Webinar: Georgia Advanced Computing Resource Center, Athens GA
- 2022 Workshop: professional development – finding your purpose statement, Athens GA
- 2017 American Museum of Natural History Bee Course, SW Research Station, Portal AZ

## PROFESSIONAL MEMBERSHIPS

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- Entomological Society of America
- Georgia Entomological Society
- Southeast Branch of ESA
- Beta Beta Beta Biological Honor Society

## SKILLS

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- Insect Identification and Collection Curation
- Anthophila and Papilionoidea Species Identification
- Insect and Host Plant Rearing and Husbandry in Greenhouses and Climate Controlled Environments
- Field Sampling Methods for Terrestrial and Aquatic Invertebrates and Plants
- R/RStudio and SAS for Statistics/Data Visualization
- Experienced using mixed modeling and multivariate analyses with community ecology data
- ArcGIS for Map Creation and Spatial Statistics
- Electronic Survey (e.g., Qualtrics) Methods
- HTML Coding Language for Basic Website Design
- PC, Mac, and Linux operating systems
- High Performance Computing Cluster

## REFERENCES

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