

Amber Stiller

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EDUCATION

- Master of Science** **The Ohio State University (OSU)**, Columbus, OH
2023-present Major: Entomology; GPA:
- Bachelor of Science with Honors** **University of North Carolina at Charlotte (UNCC)**, Charlotte, NC
2019-2021 Major: Biology; GPA: 4.0
Concentration: Environmental Sciences
Minor: Chemistry; GPA: 4.0
- Associate of Science with Honors** **Stanly Community College (SCC)**, Albemarle, NC
2017-2019 College and Career Promise, Dual enrollment; GPA: 4.0

Research and Professional Experience

- 2021-2023** **Research Associate**, Bartlett Tree Research Laboratories, Charlotte, NC
Description: Data collection (plant health ratings, bulk density analysis, insect identification, pest/disease severity ratings, biocontrol efficacy, etc.), plot maintenance, pesticide application, oral and written communication of results, greenhouse management
Key research projects: 1. Crapemyrtle bark scale biological control 2. Boxwood leafminer integrated pest management 3. Beech leaf disease integrated pest management 4. Phytophthora root rot cultural control 5. Impact of landscape biodiversity on pest pressure and predator population dynamics
- 2020-2021** **Undergraduate Researcher**, Charlotte, NC
Song Laboratory, Department of Biological Science, UNCC;
Advisor: Dr. Bao-Hua Song
Description: Preparation of laboratory solutions, DNA extraction, PCR introduction, grant proposal composition, written and oral communication of projects
Key research projects: soybean cyst nematode and soybean resistance, wildtype soybean genomes and stress response, review of polyphenols in human and plant health
- 2020-2021** **Vice President of Biology Club at UNCC**
Description: Meeting organization, student outreach, volunteer work, organization of seminars
- 2016-2019** **Piano Teacher**
Description: taught young students to play piano, organized recitals, and wrote sheet music for instructional use

2015-2021 **Jay's Downtowner Restaurant**, Albemarle, NC
Description: Customer Service

Publications

4. **Amber Stiller**, Caitlin Littlejohn, Christopher Riley, Kevin Chase, Bark Application Efficacy of Baseline Insecticide on Eastern Five-Spined Engraver Beetle, 2021, *Arthropod Management Tests*, Volume 47, Issue 1, 2022, tsac072, <https://doi.org/10.1093/amt/tsac072>
3. Caitlin Littlejohn, **Amber Stiller**, Kevin Chase, Systemic Insecticide Efficacy Against Japanese Beetle, 2021, *Arthropod Management Tests*, Volume 47, Issue 1, 2022, tsac025, <https://doi.org/10.1093/amt/tsac025>
2. Kevin Chase, Caitlin Littlejohn, **Amber Stiller**, Chris Riley, Systemic Insecticide Efficacy of Mainspring Against Boxwood Leafminer, 2021, *Arthropod Management Tests*, Volume 47, Issue 1, 2022, tsac070, <https://doi.org/10.1093/amt/tsac070>
1. **Amber Stiller**, Kendall Garrison, Karina Gurdyumov, Jacob Kenner, Farida Yasmin, Ping Yates, Bao-Hua Song. From Fighting Critters to Saving Lives: Polyphenols in Plant Defense and Human Health. *Int J Mol Sci*. 2021 Aug 20;22(16):8995. doi: 10.3390/ijms22168995. PMID: 34445697; PMCID: PMC8396434.

Presentations

6. **Amber Stiller**, Kevin Chase, & Samuel Ward (2023). Scale destroyer beetle and green lacewings are effective augmentative biological control agents against crapemyrtle bark scale in a laboratory setting. Contributed Poster, ESA Southeastern Branch Meeting.
5. **Amber Stiller**, Kevin Chase, & Samuel Ward (2022). A comparative study of common augmentative biological control agents for managing crapemyrtle bark scale. P-IE Biocontrol-Predators, ESA Joint Annual Meeting Vancouver.
4. **Amber Stiller**, Kevin Chase, & Samuel Ward (2022). A comparative study of common augmentative biological control agents for managing crapemyrtle bark scale. Trees in trouble!, Ornamental Workshop on Insects and Diseases.
3. Christopher Riley, Caitlin Littlejohn, **Amber Stiller** (2022). Can natural enemy attractants play a role in landscape conservation biological control efforts? ESA Eastern Branch Meeting.
2. **Amber Stiller**, Farida Yasmin, & Bao-Hua Song (2021). Plant Power: A chemical bridge between legume phytochemicals and human health in fighting global pandemics. National Conference on Undergraduate Research.
1. **Amber Stiller**, Farida Yasmin, & Bao-Hua Song (2020). Plant Power: A chemical bridge between legume phytochemicals and human health in fighting global pandemics. State of NC Undergraduate Research and Creativity Symposium.

Honors and Awards

- 2021** **Chancellors List**, University of North Carolina at Charlotte; Spring and Fall
- 2020** **Chancellors List**, University of North Carolina at Charlotte; Spring and Fall
- 2019** **Chancellors List**, University of North Carolina at Charlotte; Fall
- 2019** **Presidents List**, Stanly Community College, Spring
- 2019** **2nd Place at NCF Envirothon High School Competition**, NC State University, Raleigh, NC
Awarded 1st in wildlife, 2nd in forestry, 2nd in soils, 2nd in aquatics, and 2nd in oral presentations.
- 2019** **1st Place, NC Envirothon High School Competition**, Burlington, NC
Awarded 1st place in forestry, soil, current environmental issues, oral presentations
- 2018** **Presidents List**, Stanly Community College, Spring and Fall
- 2018** **7th Place at NCF Envirothon High School Competition**, University of Idaho, Pocatello, ID
Awarded 2nd place in forestry, 3rd in wildlife, and 5th in oral presentations
- 2018** **1st Place at NC Envirothon High School Competition**, Burlington, NC
Awarded 1st place in wildlife, forestry, soil, and current environmental issues
- 2017** **Presidents List**, Stanly Community College, Fall
- 2017** **2nd Place at NC Envirothon High School Competition**, Burlington, NC
Awarded first place in forestry and wildlife
- 2016** **3rd Place at NC Envirothon High School Competition**, Burlington, NC
Awarded 1st place in aquatics

Scholarships

- Fall 2019 – Spring 2021** **NSF S-STEM Student Scholarship** (\$4,543.50/semester)
- Fall 2019 – Spring 2020** **Chancellor’s Scholarship** (\$500.00/semester)
- 2019** **NCF Envirothon 2nd Place Earnings** (\$10,000 award, \$2,000/team member)
- 2019** **NC Envirothon State Earnings** (\$500.00)
- 2018** **NCF Envirothon 7th Place Earnings** (\$3,000 award, \$600/team member)
- 2018** **NC Envirothon State Earnings** (\$500.00)

Volunteer Work

2021 **Creek Cleanup**, Biology Club at UNC Charlotte

2021 **Hemlock Restoration Initiative**, Biocontrol monitoring and hemlock treatments

Professional Associations

2020-2021 **Phi Kappa Phi National Honors Society**

2018-2019 **Future Farmers of America**

Workshops

2022 **Bark and Ambrosia Beetle Workshop**, Clemson University, Clemson, SC

Licenses and Certifications

- Commercial Pesticide Applicator License