

List of Primary Presenters & Titles

Posters and Exhibits by number:

1. *Investigation of the antimicrobial activity of Native Medicinal Plant Nyssa Sylvatica var. Biflora against commensal human microflora.* **Uvina Allen**
2. *Understanding the interaction of vegetation, soil, and ant communities* **La-Teisha Allen**
3. *Uncovering the Lumber River's Microbial Diversity* **Cassandra Barlogio**
4. *Personality Profiling in Eastern Box Turtles* **Maria Chavez**
5. *Cellular Pathway Modulations by Potential Alzheimer's Disease Therapeutics* **Ayanna Edwards**
6. *Comparing Home Ranges of the Eastern Box Turtle* **Amy Kish**
7. *Dissecting the synthetic lethality between *htz1Δ* and RPB2-2SL: an analysis of a second site suppressor* **Cora Bright**
8. *Antimicrobial Effects of St. John the Worker Plant Based Native American Tea* **Cheyenne Lee**
9. *Scoliosis: A Silent Medical Condition* **Jullienne Lim**
10. *Searching for new antibiotics in the soils of southeastern North Carolina* **Brenna Sifford**
11. *"Evidence for Antimicrobial Properties in Fresh Aloe vera Gel Extracts"* **Ashley Lytle**
12. *The Virulence Properties of Photorhabdus luminescens and Its Potential Application in Pest Management* **Elijah Mebans**
13. *Antimicrobial properties of Sassafras Albidum* **Fredejah Royer**
14. *The Effects of Invasive Fire Ants (Solenopsis invicta) On Ant Diversity in Coastal North Carolina Longleaf Pine Savannas* **Hannah Swartz**
15. *Nosema and Varroa Mite Monitoring in UNCP Honey Bee Colonies* **Marica Thomas**
16. *In Vitro Development and Reproduction of the Entomoparasitic Nematode (EPN) Steinernema carpocapsae in Monoxenic Liquid Culture* **Jeison Valencia**
17. *Changes in Social Form Dominance of Invasive Fire Ants in a Carolina Bay (Antioch)* **Grant Wood**
18. *Height and Student Recognition on Campus* **Korrinne Bethel**
19. *Cathodoluminescence and Energy Dispersive Spectroscopy analysis of Kidney Stones – A first approach* **Yara Abumohsen**
20. *Benzoin Condensation* **Jose Acosta**
21. *Development of Microscale Chemical Assays Using Raman Spectroelectrochemistry* **Britney Alcira**
22. *Manufacturing an Integrated Apparatus to Measure Boltzmann Constant* **James Barstrom**
23. *A Spectroelectrochemical Assay for Vitamin C* **Xin Dong**
24. *Biological Pesticide Application and Technology Utilizing Heterorhabditis bacteriophora and Steinernema carpocapsae* **Gabrielle Downs**
25. *A Highly Accurate Analysis Method for Large Angle Physical Pendula* **Mariam Gerges**
26. *Measuring Linear Expansion Using the Fraunhofer Diffraction Pattern* **Sandra Huneycutt**
27. *Developmental polycyclic aromatic hydrocarbons reduces cardiac sarcomere size and cell morphology in zebrafish* **Amelia Brown**
28. *Types of food and lifestyle effect on Diabetes and Cholesterol.* **Neveen Issa**
29. *Investigation of Mercury Content in the Lumber River* **Dana Lambertson**
30. *Malus Law Teaching Apparatus: High Quality at Near Zero-Cost* **Dakota Lee**
31. *On the Universality of Frequency Swept Driven Oscillators* **Zach Miller**
32. *The Effects of Acculturation on Mexican American Population* **Dominique Perez**
33. *Acto Latino - La Quinta Temporada* **Keily Ramirez**
34. *The Robeson County Groundwater Project: A Partnership With The Community* **William Prutzman**
35. *A Geography of Dystopia* **Aaliyah Weatherington**
36. *National Farmworker Awareness* **Aaliyah Weatherington**

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37. *African-American Women During Jim Crow*
Aaliyah Weatherington
38. *State Historic Marker for the Battle of Hayes Pond*
Chapell Brock
39. *Breaking Boundaries and Shattering Stereotypes: How Blondie's "Heart of Glass" Changed Music and Influenced New Wave Fashion*
Matthew Hancock
40. *Is Reagan's America a "Paradise City?"*
Avery Locklear
41. *Nazis, Propaganda and the Press*
Levy Pait
42. *Establishment of the Modern Olympic Games*
Nathaniel Nash
43. *National Parks*
Arjay Navalta
44. *Automated Aeroponics System using IoT for smart farming*
Stephen Kerns
45. *Investigating the relationship between gut microbiota and glucose regulation in type 2 diabetes*
Cody Morazan
46. *Metis Fiddling: A Matter of Identity*
Sarah Middleton
47. *Gentrification & Displacement Resulting from Urban Renewal Efforts, and Planning Policies to Combat These Effects*
Jacob Newton
48. *Gender Differences when Coping with Depression*
Jerica Janney
49. *Does the Fear of Self-Compassion Lead to a More Negative Rejection Response?*
Gwendolyn Coker
50. *The Impacts of Gender and Dependency on Cell Phone Use While Driving*
Summer Brown
51. *Happiness and Physical Activity in Pet Owners*
Barbara Dieringer
52. *Does Facebook dependency impact college students' GPA and romantic relationship satisfaction?*
Faith Elder
53. *The Relationship between PTSD, Family Support, Combat-Experience, and Post-battle Experience*
Kiana Perez-Jimenez
54. *The Effect of Carbohydrates on the Growth and Bioluminescence of *Photobacterium luminescens**
Joshua Cade
55. *Bringing More Attention To National Farmworkers Awareness Week*
Joshua Cade
56. *National Farmworkers Awareness Week Social Media Campaign*
Regina Ryan
57. *Farmworker Awareness Site Visit*
Heather Boggess
58. *Prison Life: Female Prisoners*
Whitney Givens
59. *Experiences Unique to the Female Correctional Officer: Effects on Job Satisfaction and Stress*
Kathleen Lindsey
60. *Dreams of Graduate School? Advice from Professors in the Sociology and Criminal Justice Department*
Kayla McCarty

Exhibits:

1. *WoodBlock Relief Printing*
Andrew Alekseev
2. *Experimental Processes of Printmaking and Sculpture*
James Jacobs
3. *The Artistic Representation of Mental Illnesses*
Ashley Nordquist
4. *Pop-up Engineering*
Brittany Crocker
5. *A Study of Established Photographic Styles through Practice as Research*
Dakota Young