

Summer Student Research Showcase 2023 (Posters 1-34)



1. *The Evolution of Literary Magazines and Creative Writing at Salisbury University*
Josey Zeunges
Faculty Mentor: Dr. Melissa Bugdal
2. *Reverse Mapping for Disposition: University Writing Center workshops for First Year Seminar*
Jeff Dean
Faculty Mentor: Dr. Melissa Bugdal
3. *"You have to start somewhere": Writing Center Tutors & Their Understandings of Linguistic Justice*
Faith Thompson
Faculty Mentor: Dr. Melissa Bugdal
4. *The Co-Design of Inquiry-Based Writing Professional Learning*
Amy Palmer
Faculty Mentor: Dr. Maida Finch
5. *Understanding the Multimodal Literacies of Faculty in Disciplinary Postsecondary Classrooms*
Haley Cristea
Faculty Mentor: Dr. Heather Porter
6. *Creating Spaces for Kindergarten Writers Through Collaborative Inquiry*
Jennifer Spivey
Faculty Mentor: Dr. Judith Franzak
7. *Exploring Reader Identities and Engagement: Adolescent Male Students in Reading Intervention and the Role of a Reading Specialist in Fostering*
Gabrielle Remington
Faculty Mentor: Dr. Koomi Kim
8. *CHHS College Climate, and LGBTQ+ Student population*
Mx. Sage Simone
Faculty Mentor: Dr. Becky Anthony
9. *Barriers to Implementing the Standards Based Curriculum in the Bono East Region of Ghana and its Impact on Equitable Education*
Peter Jabal
Faculty Mentor: Dr. James Fox
10. *Building Culturally Responsive Literacy Teachers: How Principals Can Use Inquiry Groups to Develop Teachers*
Kirstin Gibson
Faculty Mentors: Dr. Maida Finch, Dr. Heather Porter, & Dr. Jon Andes
11. *A Focus on Learning Content: Teacher and Student Roles in Text-Based Discussion in Secondary Social Studies Classrooms*
Jess McInerney
Faculty Mentor: Dr. Maida Finch
12. *Practitioner Researchers' Contributions in Literacy*
Lauren Hatch Pokhrel
Faculty Mentor: Dr. Maida Finch
13. *Literary Canon and Pedagogy in Higher Education*
Anna Randall
Faculty Mentor: Dr. Isabel Quintana-Wulf
14. *Descubriendo a Sor Juana: abriendo libros a la educación, la identidad y el poder de la mujer.*
Lucia G Fuentes Scott
Faculty Mentor: Dr. Cristina Cammarano
15. *Developing a Directorial Process*
Allison Dincau
Faculty Mentors: Dr. Jamie McKittrick & Dr. Blake Harris
16. *Moving Matters Mobile App Project*
Connor Sullivan
Faculty Mentor: Dr. Victoria Venable-Edwards
17. *Extending Restrictions on Conversion Therapy in Maryland: Exploring Legislative Options*
Lauren Kellam, Jim Kunz, & LJ Maysonet
Faculty Mentor: Dr. Daniel Green
18. *Assessment of the Physical Activity Environment in Rural Community Parks: An Audit of Maryland's Eastern Shore*
Ariene Ohimor
Faculty Mentor: Dr. Zachary Townsend
19. *Optimizing Pose Detection for Golf Swing Analysis*
Oscar Spiers
Faculty Mentor: Dr. Yaping Jing
20. *High-Accuracy Walking Surface Classification through Heel Strike Detection*
Mariamawit Yohannes
Faculty Mentor: Dr. Shuangquan Wang
21. *Earthships vs. Residential Construction: A Comparative Study of Building Materials, Costs, and Energy*
Luis Enrique Rangel-Mora
Faculty Mentor: Dr. Gina Bloodworth
22. *Identifying Water Usage Clients' Wants via LLMs*
Dustin O'Brien
Faculty Mentor: Dr. Xiaohong (Sophie) Wang
23. *Periodic Behavior in Finite Linear Cellular Automata*
Abigail Pierson
Faculty Mentor: Dr. Michael Bardzell
24. *Investigations of Fractal Dimensions in Group-Generated Cellular Automata*
Lilly Ngo
Faculty Mentor: Dr. Michael Bardzell
25. *Detection and Visualization of Abnormal Salinity Values in One-Dimensional Time-Series Data*
Vincent Pham
Faculty Mentors: Dr. Shuangquan Wang & Dr. Xiaohong Wang
26. *Astrophotography: Bridging the Gap*
Justin Malloy & Susan Velasquez-Perez
Faculty Mentor: Dr. Joseph Howard
27. *Exploring the Potential of the Quantized Bitnet b1.58 Large Language Model for Edge Devices: Implications for Privacy, Climate Change, and Technology*
Spencer Presley
Faculty Mentor: Dr. Junyi Tu
28. *The Impact of the VasX Effector on Interbacterial Competition in the Symbiotic Bacterium Vibrio fischeri*
Nikki Amarasinghe
Faculty Mentor: Dr. Kirsten Guckes
29. *Genetic and Cellular Characterization of Co-isolated Bacterial Symbionts*
Hope Barber
Faculty Mentor: Dr. Kirsten Guckes
30. *How Soil Characteristics Affect Antibiotic Production*
Olivia Ingrao
Faculty Mentor: Dr. Elizabeth Emmert
31. *Comparing Embryonic Brain Development Between Specialized and Unspecialized Bird Species*
Reagan Angle
Faculty Mentor: Dr. Jeremy Corfield
32. *Beyond the Melody: Exploring the Correlation Between the Size of the Nucleus Taeniae and Social Behavior in Songbirds.*
Sara Alessandrini
Faculty Mentor: Dr. Jeremy Corfield
33. *he Deception of House Wrens: How Cuteness Hides Destruction*
Malone Dampier & Jenna Luka
Faculty Mentor: Dr. Jeremy Corfield
34. *Birds in the City: How Green Spaces in Urbanized Areas Affect the Biodiversity of Local Birds.*
Jessica Stevens
Faculty Mentor: Dr. Xuan Chen

Summer Student Research Showcase 2023 (Posters 35-67)



35. *Nesting Towers for the Salisbury Zoo*
Kenny Fraker
Faculty Mentor: Dr. Bill Wolff
36. *Forensic Entomology: When One Story Ends, Another Begins*
Natasha Herlinger & Kate Riley
Faculty Mentor: Dr. Dana Price
37. *Effect of Urbanization on Eastern Shore Ant Populations in Salisbury, Maryland*
Isabella Garrison
Faculty Mentor: Dr. Dana Price
38. *Interactions Between Ants (Hymenoptera: Formicidae) and Plants on the Salisbury University Campus*
Maya Feick
Faculty Mentor: Dr. Dana Price
39. *Visual Identification of Oysters with Machine Learning*
Joshua Essandoh, Michael Straus & Nikolai Vukov
Faculty Mentors: Dr. Yuanwei Jin & Dr. Enyue Lu
40. *Characterizing the Moribund State in Zebrafish Embryos*
Maia Burger
Faculty Mentor: Dr. Jessica Clark
41. *Diving in: Does Hyperglycemia Affect Cartilage Development in Danio rerio?*
Brianna Esker
Faculty Mentor: Dr. Jessica Clark
42. *A Comparison of the Mummichog Escape Response to Different Types of Predator Stimuli*
Alexis Dawson
Faculty Mentor: Dr. Noah Bressman
43. *The Sound of Attraction: Acoustic Decision-Making in Female Mate Choice*
Marissa Carey
Faculty Mentors: Dr. Kimberly Hunter & Dr. Ryan Taylor
44. *I Can See You, Can You See Me?; Male Vocal Sac Size and the Affect on Female Mate Choice.*
Lauren Knapp
Faculty Mentors: Dr. Kimberly Hunter & Dr. Ryan Taylor
45. *The Túngara Frog's: Dry Land Decisiveness vs. Poolside Panic*
Korbin Reynolds
Faculty Mentors: Dr. Ryan Taylor & Dr. Kimberly Hunter
46. *Túngara Frog (Engystomops pustulosus) Movement Ecology: Male Tracking and Female Mate Choice*
Michael Caldarola
Faculty Mentors: Dr. Ryan Taylor, Dr. Kimberly Hunter, & Dr. Andrea Presotto
47. *Túngara Frog (Engystomops pustulosus) Behavior; Evaluating Predatory Responses in Different Environments*
Grant Zemanek
Faculty Mentors: Dr. Ryan Taylor & Dr. Kimberly Hunter
48. *Examining the Relationship between Human Activity, Sediment Size, and Sand Budget at Assateague Island National Seashore*
Rachel Keim
Faculty Mentor: Dr. Thomas Cawthern
49. *Water Quality in the Chesapeake Bay Watershed*
Jasmine Bowie
Faculty Mentor: Dr. Jennifer Nyland
50. *Monitoring Salinity Variations in Assateague Island's Freshwater Ponds at the Spring and Neap Tides*
Charis Sophia Rose
Faculty Mentor: Dr. Sarah Jones
51. *Flying Squirrel Cognition*
Katie Ekholm & Kelly Mitzel
Faculty Mentor: Dr. Angela Freeman
52. *Getting to the Point: Assessing Dietary Signal From Tooth Sharpness in the Postcanine Dentition of Primates*
Gabriela Maroto
Faculty Mentor: Dr. Susanne Daly
53. *The Effect of the Crosslinker Length on the Swelling Ratio of Synthetic Hydrogels*
Mahrukh Rizwan
Faculty Mentor: Dr. Zulma Jimenez
54. *The Effects of Restaurant-Like Conditions on DNA Aptamer Binding to the Gluten Protein*
Olivia Gaines
Faculty Mentor: Dr. Joshua Sokoloski
55. *Developing RNA Thermometers and Fluorescence Spectroscopy for Temperature, pH, Urea, and Salt-Dependent Enzymatic Reactions in Plasmodium falciparum*
Andersen Herman
Faculty Mentor: Dr. Joshua Sokoloski
56. *Associative Recognition in Aging*
Delaney Bartosz, Joyce Zhang, & Catherine Milligan
Faculty Mentors: Dr. Meredith Patterson & Dr. Echo Leaver
57. *COVID-19 and Socioemotional Selectivity Theory: Do the Socioemotional Impacts of a Long-term Pandemic Reflect Changes Typically Associated with Aging?*
Kavina McDonald
Faculty Mentor: Dr. Echo Leaver
58. *Club Sports and Cognition*
Sydney Shannon & Emma Barthelmess
Faculty Mentor: Dr. Echo Leaver
59. *Exploring Qualitative and Racial Research and Literature*
Emma Barthelmess
Faculty Mentor: Dr. Yuki Okubo
60. *Delving into Qualitative Research: Exploring Racial Knowledge and Unmasking Inequities*
Alexis Davis
Faculty Mentor: Dr. Yuki Okubo
61. *Taking a Microscopic Look into Racial Disparities and Qualitative Research*
Kaliyah Little
Faculty Mentor: Dr. Yuki Okubo
62. *Exploring Racism: Perspective From Literature and Society.*
Tierney Waters
Faculty Mentor: Dr. Yuki Okubo
63. *Microscopy-based Art*
Hayden Johnston
Faculty Mentor: Dr. Jennifer Nyland
64. *Flood Detection using UAVSAR*
Timothy McKirgan, Cole Barbes & Urjit Chakraborty,
Faculty Mentor: Dr. Yuanwei Jin & Dr. Enyue Lu
65. *The Odyssey and Homecoming*
Daniel Robinson
Faculty Mentor: Dr. Cristina Cammarano
66. *Bridging the Gap: AI's Role in Supporting International Students' Academic Voice in the U.S.*
Aysan Kolahdouzpour
Faculty Mentor: Dr. Farzad Karimzad
67. *Identifying DNA and RNA sequences that bind tightly to Copper ions for Click Chemistry Labeling of Probes for Tumor Imaging and Ablation*
Min Thway Khant
Faculty Mentor: Dr. Joshua Sokoloski
68. *Sleep and Cognitive Health in Sports*
Nicolina Mondo
Faculty Mentor: Dr. Echo Leaver