

ASB 2025 Poster Presentation Schedule

THURSDAY MORNING (8:00-9:15 AM)			
Poster #	Paper ID	Title	Topic
1	9858	Survey of Free-roaming Cats ( <i>Felis catus</i> ) at Warren Wilson College	Animal: Behavior
3	9906	Effects of Manipulated Incubation Temperature on Maternal Corticosterone in Eastern Bluebirds	Animal: Behavior
5	9916	Does nicotine state dependent learning require the ASER and ASEL neurons in <i>Caenorhabditis elegans</i> ?	Animal: Behavior
7	9624	Description of the Larva of the Caddisfly <i>Cernotina truncona</i> Ross, 1947 (Trichoptera: Polycentropodidae)	Animals: Entomology/Invertebrates/Parasitology
9	9954	Comparison of Joro Spider ( <i>Trichonephila clavata</i> ) Prey Capture and the Available Prey Diversity of their Nonnative Environment	Animals: Entomology/Invertebrates/Parasitology
11	10129	Invasive Pond Loach in Georgia: Exotic Fish with a Parasite Identity Crisis	Animals: Entomology/Invertebrates/Parasitology
13	9655	The Effectiveness of Wildflower Habitat Enrichment in Boosting Wild Bee Abundance in the Coastal Plain of Georgia	Animals: Entomology/Invertebrates/Parasitology
15	10147	Benefits of using illustrations rather than digital photography to showcase morphology	Animals: Entomology/Invertebrates/Parasitology
17	10060	From the Top Down or Bottom Up: Thermal Behavior Hydrodynastes gigas with Dorsal or Ventral Heat	Animals: Herpetology
19	10246	eDNA: A Powerful tool for Pine Snake ( <i>Pituophis melanoleucus</i> ) Conservation	Animals: Herpetology
21	10370	Evaluating potential climatic correlates in the range expansion Green Treefrog ( <i>Hyla cinerea</i> ) across the southeastern United States	Animals: Herpetology
23	9615	Differences in Larval Microhabitat between two Cryptic, Sympatric Salamander Species ( <i>Desmognathus folkertsi</i> and <i>D. amphileucus</i> ) in Northeastern Georgia	Animals: Herpetology
25	9715	A Preliminary Evaluation of Habitat Associations of <i>Plethodon pauleyi</i> Across Variable Rock Outcrop Substrate	Animals: Herpetology
27	10499	AlphaFold2 Analysis of Protein Point Mutations Within Conformational Landscape	Anatomy and Physiology
29	10118	Physiological Effects of Dual Environmental Stressors on Redear Sunfish ( <i>Lepomis microlophus</i> )	Anatomy and Physiology
31	9962	Unveiling SFK Family Expression In Danio rerio (Zebrafish) Organs: Exploring BLK Modulation And It's Effects On Embryonic Development	Developmental Biology
33	9620	Synaptotjanin-1 Deficiency and its Effect on Dopamine Synthesizing Molecules (TH) and Receptor Molecules (D2) in the Striatum	Cell and Molecular Biology
35	9657	Potential medical combination usage between Osalmid and 4,4'-Dihydroxystilbene (DHS) for inhibiting ovarian cancer growth	Cell and Molecular Biology
37	9665	RRM2 as a Key Therapeutic Target to Combat Chemoresistance in Ovarian Cancer	Cell and Molecular Biology
39	9978	Cue-Driven Digestion: Molecular Insights into Prey Recognition in <i>Dionaea muscipula</i>	Cell and Molecular Biology
41	9724	Examining the Role of Adenovirus E411k Protein on Interferon-beta Expression	Cell and Molecular Biology
43	9794	The Effects of Intermittent Fasting on Leucine Rich Repeat Neuronal 3 Gene Expression in 4-Month-Old Fischer (CDF) Rat Brains	Cell and Molecular Biology
45	9672	Utilizing DNA Sequencing to Identify and Confirm Species of Hairworm (Phylum Nematomorph) Samples	Genetics
47	9996	Comparative Analysis of Soil Microbial Diversity and Abundance in Grazed and Ungrazed Environments at Buck Island Ranch	Genetics
49	10146	Investigating plastid genome evolution across the Campanulaceae	Genetics
51	10233	Species diversity of honey bee ( <i>Apis mellifera</i> ) pollen at the UNCP Apiary	Genetics
53	9697	Searching for Antibiotic Producing Microbes in the Cockroach Gut	Microbiology
55	9846	Targeting Biofilm Formation in Multi-Drug Resistance <i>Candida auris</i> Using Amino-Carboxyl Compounds for Enhanced Antifungal Therapy	Microbiology
57	10420	Real-life Zombies: Cordyceps in our Backyard?	Microbiology
59	9758	An Examination of the Microbial Communities Associated with the WV Exhibition Coal Mine (Beckley, WV): A Pilot Study	Microbiology
61	9968	Characterizing the bacterial community of copepods in James Madison University's retention pond	Microbiology
63	10080	Polyunsaturated fatty acids (PUFAs) can alter the killing effects of antimicrobial peptides in <i>Vibrio cholerae</i>	Microbiology
65	10151	Genetic and Physical Characterization of an Unknown Bacteriophage from a Commercially-Available Sample of <i>Bacillus thuringiensis</i>	Microbiology
67	9751	Diurnal Ecophysiological Patterns on Cloudy and Sunny Days for the invasive C4 Grass <i>Microstegium vimineum</i> Growing Beneath a Closed Pine Canopy	Ecology: Physiological
69	9971	The effects of cobalt on the algal symbiont density and recolonization rate of <i>Exaiptasia diaphana</i> sea anemones and size and photosynthetic efficiency of the symbiotic algae <i>Breviolum minutum</i>	Ecology: Physiological
71	10298	Winter light stress effects on leaf pigmentation in females, males, and juveniles of the dioecious <i>Juniperus virginiana</i>	Ecology: Physiological
73	10534	Investigating the Impact of Roundup Exposure on Hearing in Channel Catfish ( <i>Ictalurus punctatus</i> )	Ecology: Physiological
75	9695	Post-fire size recovery of sourwood ( <i>Oxydendrum arboreum</i> ) and sassafras ( <i>Sassafras albidum</i> )	Ecology: Populations
77	10093	Snorkelwort occupancy in granite outcrop pools is driven by soil depth: A comprehensive approach incorporating detection rates	Ecology: Populations
79	9662	Defining the preferred substrates of Louisiana Freshwater Sponge Species	Ecology: Populations

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Poster #	Paper ID	Title	Topic
81	9675	Can Sediment Analysis be used to Further Describe Species Richness of Freshwater Sponges?	Ecology: Populations
83	9931	A Decade of Puma ( <i>Puma concolor</i> ) Population Dynamics in southwestern New Mexico	Ecology: Populations
85	9934	Climate Change and a Decade of Black bear ( <i>Ursus americanus</i> ) Population Dynamics in Southwestern New Mexico	Ecology: Populations
87	9635	Allocation to carnivory and prey trapping in pink sundew ( <i>Drosera capillaris</i> ) in seasonal ponds in Florida	Ecology: Communities
89	9806	Microhabitat Factors Influencing Shrub Encroachment into Coastal Grasslands	Ecology: Communities
91	9812	Living in the shadow of human infrastructure: The effects of artificial lighting on nocturnal mammals	Ecology: Communities
93	9860	A Comparative Analysis of Two <i>Astragalus</i> Congeners: Phenology and Reproductive Success	Ecology: Communities
95	9936	Prey Switching in a Puma, Mule Deer, and Elk Predator-Prey System.	Ecology: Communities
97	10003	Untangling the Influence of Competition and Microbial Interactions on <i>Saccharum spontaneum</i> , <i>Imperata cylindrica</i> , and <i>Andropogon glomeratus</i> in South Florida	Ecology: Communities
99	10079	Rooted in Stress: Understanding the role of Salinity and Burial in <i>Morella cerifera</i> Establishment	Ecology: Communities
101	9774	Evaluating impacts of foot-traffic intensity on ecosystem function of sand dunes on Tybee Island, Georgia	Ecology: Ecosystems and Landscapes
103	9862	Accuracy Assessment of a Coastal Vegetation Map in South Carolina, US	Ecology: Ecosystems and Landscapes
105	9828	Examining Storm Water Infiltration in a Meadow Restoration Site: Where does the rain go?	Ecology: Ecosystems and Landscapes
107	9976	Top-Down Effects of Large Mammal Herbivores in Tropical Forest Ecosystems	Ecology: Ecosystems and Landscapes
109	10033	<i>Centaurea cyanus</i> (cornflower) distribution in developed wetlands	Ecology: Freshwater
111	10270	Baseline Assessment of Fish Communities and Habitat Structure Surrounding Peery's Mill Dam in Walland, TN	Ecology: Freshwater
115	9765	Relationship between benthic macroinvertebrate communities and environmental conditions in freshwater ponds on Bald Head Island, NC	Ecology: Freshwater
117	9608	Seeing Scars: Dive into the scars and skin conditions of Pacific Coast Feeding Group gray whales	Ecology: Marine
119	9929	The Effect of Salinity and Depth on Zooplankton Abundance and Diversity off the Georgia Coast	Ecology: Marine
121	9913	Consistency of Nutrient Fluxes from Three Caribbean Sponges Species	Ecology: Marine
123	9998	Urban vs. Rural Preference for Overpopulating Mississippi Whitetail Deer	Ecology: Conservation
125	10138	Evaluation of fish biodiversity and abundance on a restored vs. unrestored shoreline in Mosquito Lagoon, Florida	Ecology: Conservation
127	10308	Using machine learning to streamline detection in camera trap research	Ecology: Conservation
129	9706	Monitoring invasive bark and wood-boring beetles in an urban forest using eDNA	Ecology: Conservation
131	9716	Understanding the soil microbiome of a montane longleaf pine ecosystem: does choice of soil DNA extraction method matter?	Ecology: Conservation
133	9839	Kudzu Management Strategies Had Minimal Effect on Soil and Microbial Communities	Ecology: Conservation
135	9945	Accelerating Texas state conservation assessment using Deep Learning	Ecology: Conservation
137	10045	Micropropagation Techniques of the Eastern Hemlock Tree and its Potential Reintroduction to Southern Appalachian Forests	Ecology: Conservation
139	10341	Blue coloration in kingdom fungi: a review	Mycology and Lichenology
141	9750	Digitization and Collection Trends of the Frostburg State University Herbarium	Plant Collections and Herbaria
143	10169	Analyzing Microbial and Chemical Contributions to Seed Development and Germination in <i>Spartina alterniflora</i>	Plant Collections and Herbaria
145	9855	Silicon Fertilization: A sustainable Strategy For Managing Crop Disease	Plant Physiology
147	9975	Breeding System of a Native Southern Appalachian Woodland Perennial ( <i>Clintonia umbellulata</i> )	Plant Physiology
149	10264	Pigment composition and photosynthetic gas exchange in different colored autumn leaves of sweetgum, <i>Liquidambar styraciflua</i>	Plant Physiology
151	10388	Presence of Rutin in <i>Viola</i> species	Plant Physiology
153	10505	Effects of leaf developmental stage and roasting on the metabolic profile of yaupon holly, a native American tea	Plant Physiology
155	9556	Class debate as an effective learning tool that promotes collaborative and active learning	Scholarship of Teaching and Learning
157	9666	Innovative Teaching Strategies for Mastering Laboratory Mice Skills: Flipped Classrooms in Biology Education	Scholarship of Teaching and Learning
159	10014	Breadth of knowledge versus curriculum flexibility: Assessing trade-offs in a biology program	Scholarship of Teaching and Learning

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THURSDAY AFTERNOON (3:45-5:00 PM)

Poster #	Paper ID	Title	Topic
2	9877	The Role of Sensory Cues in the Foraging Habits of <i>Manduca sexta</i> Moths Under Low-Illuminescent Conditions	Animal: Behavior
4	9644	Nest Defense of Eastern Bluebirds ( <i>Sialia sialis</i> ) in Response to Competitors and Non-Competitors	Animal: Behavior
6	10130	Optimizing Passive Acoustic Monitoring: A Comparative Study of Sound Separation Techniques for Bird Identification	Animal: Behavior
8	9636	Preliminary evaluation of a size-dependent bycatch exclusion device for insect UV light pan trapping	Animals: Entomology/Invertebrates/Parasitology
10	9958	Unknown Natural Histories of the Folding Trapdoor Spider: Population Density, Distribution, and Burrowing Habits of <i>Antrodiaetus</i>	Animals: Entomology/Invertebrates/Parasitology
12	9626	Multiple Paternity of <i>Cambarid</i> crayfishes: A Surrogate Study for Propagation Methods of the Federally Threatened <i>Cambarus callainus</i>	Animals: Entomology/Invertebrates/Parasitology
14	10083	The Effect of Ethynylestradiol (EE2) Exposure on Rotifers ( <i>Philodina acuticornis</i> ) Egg Production in the Parental Generation	Animals: Entomology/Invertebrates/Parasitology
16	9800	Preliminary Assessment of Eugenol's Teratogenic Effects in <i>Xenopus laevis</i> Embryos Using FETAX Assay	Animals: Herpetology
18	10137	Diet of Three Co-Occurring Large <i>Plethodon</i> s in Western North Carolina	Animals: Herpetology
20	10346	Assessing the impact of trade bans on invasive iguana populations in southern Florida through mathematical modeling	Animals: Herpetology
22	9601	Just Around the Riverbend: Population Genomics of Salamanders Influenced by River Capture in Northeastern Georgia	Animals: Herpetology
24	9713	Evaluating Eastern Newt ( <i>Notophthalmus viridescens</i> ) Road Mortality in Relation to Human Activity on High Knob, Virginia	Animals: Herpetology
26	9648	Assessing the Osmoregulatory Capabilities of American Alligator Lingual Glands	Anatomy and Physiology
28	10039	The Effect of Intermittent Fasting on Glucose Tolerance in Rats	Anatomy and Physiology
30	10348	The impact of executive dysfunction on brain activity during postural control in older adults	Anatomy and Physiology
32	9963	Frizzled 7-dependent regulation of planar polarity and cell migration in zebrafish gastrulation	Developmental Biology
34	9631	Paralyzed Fruit Flies: A Model System for Studying Human Diseases	Cell and Molecular Biology
36	9664	Synergistic Antitumor Effect of Combined ATM and Metabolic Pathways Inhibition in Ovarian Cancer Cells	Cell and Molecular Biology
38	9756	The Effects of Eastern Diamondback Rattlesnake ( <i>Crotalus adamanteus</i> ) Venom on Human Triple-Negative Breast Cancer	Cell and Molecular Biology
40	10144	Histone H3 Colocalization with the ER: Insights into Mitochondrial Stress Responses	Cell and Molecular Biology
42	9792	Advancing Solid Tumor Diagnosis: Flow Cytometry Analysis of Formalin-Fixed Paraffin-Embedded Tissue	Cell and Molecular Biology
44	9852	APC and TP53 in Metastatic Colorectal Cancer Survivability	Cell and Molecular Biology
46	9977	HSP101 Dynamics in <i>Arabidopsis thaliana</i> : Stress Memory and Developmental Regulation	Genetics
48	10082	Refining genetic analysis methods: Management and conservation of the rare plant species <i>Dalea foliosa</i>	Genetics
50	10197	Pathogenicity analysis of single nucleotide polymorphisms in the prion protein gene	Genetics
52	10244	Exploration of the VUS 308 V>M in the BMP2 Human Gene	Genetics
54	9721	Impact of Regenerative Agriculture on Colony-Forming units (CFU) and Antibiotic-Producing Bacteria	Microbiology
56	9997	Abundance of Fecal Indicator Bacteria and Genetic Diversity of <i>Escherichia coli</i> in Streams Draining Residential Areas of Varying Socioeconomic Status	Microbiology
58	10022	Examining the effects of 29 unique exogenous fatty acids on growth and membrane permeability in <i>Vibrio cholerae</i>	Microbiology
60	9856	Oral Probiotics: Looking for Changes.	Microbiology
62	9989	Isolation and Preliminary Characterization of Phosphorus Solubilizing Microbiota From a Monoculture Cotton Field in Hartsville, SC	Microbiology
64	10099	Pseudomonadota Dynamics in <i>Clostridiodes difficile</i> Infection (CDI): A Focus on <i>Klebsiella pneumoniae</i> and <i>Escherichia coli</i>	Microbiology
66	10172	Detecting Snake Fungal Disease in GA Waterways Using eDNA Analysis	Microbiology
68	9755	The Long and the Short of It: Dynamic Gas Exchange Responses to Sunflecks of Varying Duration by the C4 Invasive Grass <i>Microstegium vimineum</i>	Ecology: Physiological
70	10421	Mitochondrial copy number dynamics during development and stress in the brown widow spider	Ecology: Physiological
72	10419	Temperature Tolerance, and Metabolic Physiology of Asian Swamp Eel within the Chattahoochee Nature Center near Atlanta, Georgia	Ecology: Physiological
74	10575	Snails in the Diet of <i>Exoglossum maxillingua</i> , Cutlip Minnow	Ecology: Physiological
76	9965	Dolphin abundance and distribution in the lower St. Johns River basin, Jacksonville, Florida	Ecology: Populations
78	10132	Spartina Super Seeders: Linking Seedling Production to Plant and Soil Characteristics in Coastal Georgia Salt Marshes	Ecology: Populations
80	9670	The Louisiana Freshwater Sponge Project: Examining Changes in Species Richness through a Comparison of two Ecological Studies	Ecology: Populations

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THURSDAY AFTERNOON (3:45-5:00 PM)

Poster #	Paper ID	Title	Topic
82	9891	Gene Flow of Peanut snails ( <i>Cerion</i> ) in the Florida Keys	Ecology: Populations
84	9932	Bobcat ( <i>Lynx rufus</i> ) population density dynamics and correlations with precipitation in southwest New Mexico	Ecology: Populations
86	10064	Talking Turtles	Ecology: Populations
88	9639	Leaf it to the herbivores: Effect of species identity and time since fire on insect herbivory in two resprouting plant species	Ecology: Communities
90	9809	Does human infrastructure affect the composition of mammal communities?	Ecology: Communities
92	9826	Impact of Burial and Salinity on Seedling and Juvenile Growth of <i>Morella cerifera</i> in Coastal Ecosystems	Ecology: Communities
94	9935	Puma, Mule Deer, Elk and the Landscape of Fear in Southwestern New Mexico	Ecology: Communities
96	9980	Regional Analysis of Medical Apartheids in Spartanburg County	Ecology: Communities
98	10007	Shrub encroachment in coastal ecosystems: the role of grass root interactions	Ecology: Communities
100	10186	Container Mosquito Oviposition Activity as a Function of Urbanization in Guilford County, NC	Ecology: Communities
102	9796	Examining decomposition in suburban woodlot across seasons using the tea bag index	Ecology: Ecosystems and Landscapes
104	9893	Range Variability of Species Across North Carolina Found with BioBlitz Data	Ecology: Ecosystems and Landscapes
106	9953	Native Tree Species Success in Riparian Restoration Zones in Rockingham County, Virginia	Ecology: Ecosystems and Landscapes
108	10054	Characterizing and Mapping Coastal Vegetation on a Sea Island in the Southeastern USA	Ecology: Ecosystems and Landscapes
110	10208	Temperature Analysis of Seasonal Stratification in Small Farm Ponds	Ecology: Freshwater
112	10329	Comparing Parasitism and Resistance to Flow in Two Populations of the Freshwater Snail <i>Elimia virginica</i>	Ecology: Freshwater
114	9660	Revisiting Freshwater Sponge History: A review of the Michael Poirrier Collection	Ecology: Freshwater
116	9790	Comparing host niche overlap of two biological control agents using ecological niche models (ENMs)	Ecology: Freshwater
118	9677	The Effects of Overhead Shades on Coral Bleaching of <i>Agaricia tenuifolia</i> , <i>Porites astreoides</i> , and <i>Porites divaricata</i>	Ecology: Marine
120	10021	Murder Mystery: Extinction of <i>Galeocerdo aduncus</i> and <i>Isurus xiphodon</i>	Ecology: Marine
122	9597	The Influence of Forest Diversity on Carbon Sequestration in Southeastern Oak-Pine Ecosystems	Ecology: Conservation
124	10091	Fringed Campion: Conserving an Endangered Species	Ecology: Conservation
126	10259	Exploring how canopy cover and land use affects flying insects in the city	Ecology: Conservation
128	9588	Pollinator and Pollinator Plant Communities within restored Montane Longleaf Pine Ecosystems	Ecology: Conservation
130	9707	Restoring spring ephemerals in an urban forest	Ecology: Conservation
132	9799	Determining the Ideal Frequency and Duration of Conservation Grazing in Coastal Uplands	Ecology: Conservation
134	9923	Attitudes towards Mexican Gray Wolves ( <i>Canis lupus baileyi</i> ) and Mountain Lions ( <i>Puma concolor</i> ) in Southwest New Mexico	Ecology: Conservation
136	10040	Historical Fire Regimes in an Urban-Adjacent State Forest and Recreation Area	Ecology: Conservation
138	10057	How Fire Shapes the Colonization of Conifer Dwelling Lichens and Bryophytes in the Georgia Piedmont.	Mycology and Lichenology
140	10126	Characterization of Unique Basidiomycete Fungal Strains Isolated from the L. Frederick Collection	Mycology and Lichenology
142	9773	The Ethnobotanical Collection at the Marshall University Herbarium	Plant Collections and Herbaria
144	10210	Fifty years of flowering, unripe fruit and ripe fruit phenologies of mountain holly ( <i>Ilex montana</i> ) throughout its range	Plant Collections and Herbaria
146	9895	Identifying Potential Targets of AGL62 in <i>Arabidopsis thaliana</i>	Plant Physiology
148	10096	Heavy Metal Impacts on <i>Alternanthera philoxeroides</i>	Plant Physiology
150	10337	Functional Traits Influence Canopy Interception of Urban Trees	Plant Physiology
152	10452	Comparative Analysis of Leaf Traits and Phyllosphere Microbiota in American and Chinese Wild Type Chestnuts as well as Their Hybrids	Plant Physiology
154	9840	The impact of exogenous application of plant hormones and silicon on physiological responses of drought-stressed pepper ( <i>Capsicum annuum</i> ) Seedlings.	Plant Physiology
156	9594	Design and Implementation of a Needs Assessment for the Artemis Program for Women in STEM	Scholarship of Teaching and Learning
158	9972	Immersive Learning in Molecular Biology: Exploring Cellular Processes with 3D-Printed Manipulatives and Holographic Technologies	Scholarship of Teaching and Learning
160	10087	Empowering Undergraduate Success Through a Biology Mentorship Initiative	Scholarship of Teaching and Learning

**ASB 2025 Poster Presentation Schedule**

**THURSDAY AFTERNOON (3:45-5:00 PM)**

<b>Poster #</b>	<b>Paper ID</b>	<b>Title</b>	<b>Topic</b>
BBB2	9764	Paracrine effects of LL-37 on Prostate Cancer and Immune Cell Behavior	Cellular/Molecular/Biomedical/Genetics
BBB4	9766	A Comparison of the Effects of Enzalutamide and HC-1119 on the Proliferation and Migration of Hs578T Cells	Cellular/Molecular/Biomedical/Genetics
BBB6	9815	Using Bi-Weekly 24-Hour Intermittent Fasting to Create a Model to Study the Effects of Caloric Restriction on Longevity	Cellular/Molecular/Biomedical/Genetics
BBB8	9885	Two genes encoding nicotinic acetylcholine receptor subunits, <i>acr-6</i> and <i>acr-7</i> , are required for nicotine and ethanol state dependent learning in <i>Caenorhabditis elegans</i>	Cellular/Molecular/Biomedical/Genetics
BBB10	9921	Broadening the Role of Oncogenic ERG in Diverse Cancer Types	Cellular/Molecular/Biomedical/Genetics
BBB12	9942	Perceived Stress and Cortisol Testing in Collegiate Student-Athletes and Non-Athletes	Cellular/Molecular/Biomedical/Genetics
BBB14	9949	Cross State Dependent Learning using Nicotine & Ethanol with <i>Caenorhabditis elegans</i>	Cellular/Molecular/Biomedical/Genetics
BBB16	9974	Investigating the role of FRK in <i>Danio rerio</i> development	Cellular/Molecular/Biomedical/Genetics
BBB18	10020	Investigating Usage of Non-Canonical Start Codons in <i>Drosophila melanogaster</i>	Cellular/Molecular/Biomedical/Genetics
BBB20	10192	Developing a multi-omic approach to uncover novel gene-metabolite networks in Human T-cell Leukemia virus (HTLV) carcinogenesis	Cellular/Molecular/Biomedical/Genetics
BBB22	10196	Beyond the burn: Investigating the consequences of low-dose UV exposure on DNA damage repair in MCF-7 breast cancer cells	Cellular/Molecular/Biomedical/Genetics
BBB24	10202	Examination of <i>Hamelia patens</i> leaf extract potential as T-cell lymphoblastic leukemia therapeutic	Cellular/Molecular/Biomedical/Genetics
BBB26	10236	Detection of orphan nuclear receptor 4A2 (NR4A2) protein expression and oxidation in human chondrocytes	Cellular/Molecular/Biomedical/Genetics
BBB28	10289	Drugs from the dirt: Characterizing antimicrobial production in soil-dwelling bacteria	Cellular/Molecular/Biomedical/Genetics
BBB30	10295	Microbial Menagerie: Identification and characterization of probiotic species from kombucha	Cellular/Molecular/Biomedical/Genetics
BBB32	10340	Optimizing 3D Spheroid Invasion Assays Using the Breast Cancer Model	Cellular/Molecular/Biomedical/Genetics
BBB34	10367	An Expanded Proteome Analysis of 28 <i>Borrelia</i> Species- The Utilization of Transmembrane Domain (TMD) Protein Prediction Programs for distinguishing Lyme-causing and relapsing fever-causing species	Cellular/Molecular/Biomedical/Genetics
BBB36	10437	Investigating the Mechanistic Effect of Heme in Artemisinin-Induced Ferroptosis Using a Cancer Cell Model	Cellular/Molecular/Biomedical/Genetics
BBB38	10454	Exploring the Interplay of TGF-beta Signaling and the ERG Transcription Factor	Cellular/Molecular/Biomedical/Genetics
BBB40	10497	Mechanistic studies of liquid-liquid phase separation by DNA metabolism protein APE1 in genome integrity	Cellular/Molecular/Biomedical/Genetics
BBB42	10507	Shelf-life extension of in-house diluent for Hemagglutination Inhibition testing	Cellular/Molecular/Biomedical/Genetics
BBB44	10529	Analyzing Imported Spices for Heavy Metal Detection Using ICP-MS	Cellular/Molecular/Biomedical/Genetics

ASB 2025 Poster Presentation Schedule

FRIDAY MORNING (8:00-9:15 AM)

Poster #	Paper ID	Title	Topic
161	10065	Can Corvids Adapt? The Effects of Anthropogenic Noise Pollution on Referential Calls	Animal: Behavior
163	10254	Relationship between Personality and Offspring Provisioning in Breeding Tree Swallows	Animal: Behavior
165	10508	Exploring Patriline-Based Variation in Female Facial Patterns in <i>Vespa maculifrons</i> , a Polyandrous Social Wasp	Animal: Behavior
167	10313	Temporal and Geographic Genetic Dynamics of the Invasive Kudzu Bug ( <i>Megacopta cribraria</i> ) Across the Southeastern US	Animals: Entomology/Invertebrates/Parasitology
169	10399	The second invader: Characterization of the bacterial endosymbiont <i>Wolbachia</i> in the invasive kudzu bug ( <i>Megacopta cribraria</i> )	Animals: Entomology/Invertebrates/Parasitology
171	10360	Influence of Environmental Factors on Population Density and Growth of an Invasive Earthworm	Animals: Entomology/Invertebrates/Parasitology
173	10439	Sex Differences in Parasitism and Morphology in the Freshwater Snail <i>Elimia virginica</i>	Animals: Entomology/Invertebrates/Parasitology
175	10532	Patterns of gregarine parasitism in flat-back millipedes exhibiting mass migration	Animals: Entomology/Invertebrates/Parasitology
177	10498	Go toward the light: Using glow sticks to increase salamander capture in both aquatic and terrestrial traps	Animals: Herpetology
179	10526	A preliminary investigation of temporal variation in the frequency of alternative reproductive tactics in an Appalachian salamander	Animals: Herpetology
181	10558	Seasonal Movement and Habitat Valuation of Adult Eastern Red Spotted Newts ( <i>Notophthalmus viridescens</i> )	Animals: Herpetology
183	9880	Persistence and Recapture Durations of Marked Hylid Frogs in a Long-Term Pipe Trap Study in North Georgia	Animals: Herpetology
185	10224	How methodology impacts biodiversity surveys in salamanders; a comparison of natural cover versus plywood.	Animals: Herpetology
187	10209	Regulation of abscission zone-associated lignification in <i>Arabidopsis</i> flowers by the AS1 and BP transcription factors	Cell and Molecular Biology
189	10240	Linking Pectin Modifications to Moss Spermatogenesis through functional characterization of <i>PpBURP4</i>	Cell and Molecular Biology
191	10401	The Impact of C507 Mutations on Fus1 Localization and Fusion Efficiency in Yeast	Cell and Molecular Biology
193	10423	Identifying protein domains required for yeast cell fusion	Cell and Molecular Biology
195	10319	A second-site mutation partially rescues plasma membrane transport of mutant CFTR-N1303K protein in HEK293 cells.	Cell and Molecular Biology
197	10395	Investigating selective toxicity of targeted DNA damaging compounds on prostate cancer cells	Cell and Molecular Biology
199	10438	Extracellular Vesicle Isolation from Various Sources and Applications	Cell and Molecular Biology
201	10216	Phenotype of mitochondrial gene FAM210B knock-out in <i>Arabidopsis thaliana</i>	Genetics
203	10405	Identifying potential drug response variants of catechol O-methyltransferase using in silico prediction tools and molecular modeling	Genetics
205	10441	"Characterizing SAMHD1 missense variant R366C and its pathogenic characteristics associated with Aicardi-Goutieres Syndrome"	Genetics
207	10494	Bioinformatics Analysis of POGZ Variants in Relation to White-Sutton Syndrome	Genetics
209	10016	Environmental drivers of microbial community composition in aquatic ecosystems: Insights from the Upper Saluda watershed	Microbiology
211	10103	<i>Aeromonas hydrophila</i> alters growth, biofilm formation, and swimming motility at host and aquatic temperatures in response to polyunsaturated fatty acids	Microbiology
213	10252	Don't Sugarcoat it: Xylitol's Inhibitory affects Against <i>Streptococcus mutans</i>	Microbiology
215	10258	Evaluating the expression of virulence genes essential for glucose metabolizing pathway of <i>Shigella flexneri</i>	Microbiology
217	10256	The Safety of Oyster Consumption: Assessing Bacterial Concentrations and Antibiotic Resistance of <i>Vibrio</i> Species in Oysters from Georgia's Coast	Microbiology
219	10309	Correlation of oral hygiene and consumption with oral biofilm flora.	Microbiology
221	10345	The Influence of <i>Eucalyptus globulus</i> , <i>Eucalyptus grancom</i> , and <i>Eucalyptus urocam</i> on <i>Corynebacterium pseudodiphtheriticum</i> .	Microbiology
223	10564	Characterization of extracts obtained for <i>Streptomyces</i>	Microbiology
225	10177	The crash of Green Ash ( <i>Fraxinus pennsylvanica</i> ) a six year study (2019-2024) of a piedmont North Carolina swamp forest decimated by the invasive Emerald Ash Borer	Ecology: Populations
227	10431	Investigating Patterns in Breast Cancer Metastasis Using Invasion Ecology Frameworks	Ecology: Populations
229	10306	Preliminary observations of a well-defined colony of burrowing crayfish ( <i>Distocambarus</i> species) in a neighborhood	Ecology: Populations
231	10372	An Analysis of Pheretimid Earthworm Life History with Regards to Climatic Changes through the Year.	Ecology: Populations
233	10444	Breeding biology of Eastern Screech-Owls and Barred Owls in northwest Tennessee	Ecology: Populations
235	10553	Managed Populations of <i>Sarracenia</i> spp. at the Highlands Biological Station show higher flowering densities	Ecology: Populations
237	10279	Do birds of a feather flock together? Habitat-linked avian diversity and community composition	Ecology: Communities
239	10412	Autumn Activity of Twig-girdling Beetles ( <i>Oncideres cingulata</i> ) in Georgia: Tree Preferences and Timing of Girdling Activity in Relation to Leaf Litterfall	Ecology: Communities

**ASB 2025 Poster Presentation Schedule**

<b>FRIDAY MORNING (8:00-9:15 AM)</b>			
<b>Poster #</b>	<b>Paper ID</b>	<b>Title</b>	<b>Topic</b>
241	10539	Assessing Soil Health Indicators and Microbial Communities in Longleaf Pine Versus Loblolly Pine-Hardwood Ecosystems	Ecology: Communities
243	10331	VA	Ecology: Communities
245	10397	Effects of <i>Lonicera maackii</i> Invasion on Native Plant Biodiversity in Mixed-Oak Forests of West Virginia	Ecology: Communities
247	10406	Canopy Gaps Provide Structural Diversity and Promote Early Successional Vegetation	Ecology: Communities
249	10550	Organic and Inorganic Components of <i>Curcuma longa</i>	Ecology: Communities
251	10286	Interactions Between Floral Traits, Pollinator Preference, and Nectar Microbial Contents	Ecology: Ecosystems and Landscapes
253	10334	Using Environmental DNA (eDNA) to Understand the Biological Diversity of Soil Microbiomes in South-Central Florida	Ecology: Ecosystems and Landscapes
255	10427	Evaluating the effects of plant density and garden location on pollinator diversity as assessed by eDNA metabarcoding and pitfall traps.	Ecology: Ecosystems and Landscapes
257	10570	Effects of Changes in Fire Management Policy at Pilot Mountain State Park on Fire Frequency and Size	Ecology: Ecosystems and Landscapes
259	10365	A Field Investigation of Water Quality Parameters in an Impacted Urban Stream in Central NC Using Stream Invertebrate Community Indices With Implications for the Importance of Protection of Riparian Zone Vegetation to Improve Stream Health	Ecology: Freshwater
261	10379	Microbiome Composition Differences Among Four Species of Freshwater Mussel Found in the Tallapoosa River (Alabama)	Ecology: Freshwater
263	10382	Considerations for Utilizing AI Assistance in Macroinvertebrate Identifications	Ecology: Freshwater
265	10522	Exploring and mapping water quality in the Lumber River watershed	Ecology: Freshwater
267	10145	Atmospheric deposition of microplastics is associated with magnitude of precipitation in the southern Blue Ridge Mountains of western North Carolina	Ecology: Freshwater
269	10251	Endogenous tidal rhythms in mangrove tree crabs ( <i>Aratus pisonii</i> ) imply larval retention in a coastal lagoon	Ecology: Marine
271	10316	Olivine Effects on the Salt Marsh Grass <i>Spartina alterniflora</i>	Ecology: Marine
273	10478	Fin-tastic Fish Findings: An Investigation on Fish Biodiversity at St. Catherines Island	Ecology: Marine
275	10521	Long-term Data Reveals that Precipitation Patterns Influence Nestling Growth of Bluebirds	Ecology: Climate
277	10533	Soil-Based Emissions and Context-Specific Climate Change Planning: A Case Study of Georgia (USA)	Ecology: Climate
279	10215	Urban Trees Delay and Divert Water During Large Precipitation Events	Ecology: Climate
281	10357	Evaluating Soil Microbial Community in Restored Longleaf Pine Forests versus Loblolly Pine and Hardwood-Dominated Forests	Ecology: Conservation
283	10380	Using Nighthawk, a Machine Learning Model, to Compare 2021 and 2024 Autumn Nocturnal Migration of Birds in Georgia	Ecology: Conservation
285	10525	An Initial Assessment of Restoration Success of the Pictsweet Mitigation Site Using a Floristic Survey of the Vascular Plants	Ecology: Conservation
287	10287	Passerines: Which are more likely to be admitted to an avian rehabilitation center in North-Central Alabama	Ecology: Conservation
289	10294	Assessing Biodiversity Attrition From Invasive Species and Herbivory at Lake Raleigh Woods, an Urban Forest in Wake County, NC	Ecology: Conservation
291	10326	Preliminary Data from Acoustic Bat Surveys at the Cahaba Biodiversity Center in Central Alabama.	Ecology: Conservation
293	10447	Bridging Conservation Ethics and Bird Diversity: A Reflection on the Values of Managed and Unmanaged Habitats	Ecology: Conservation
295	10516	Seasonal Identification and characterization of Shining Clubmoss ( <i>Huperzia lucidula</i> ) Fungal Endophytes	Ecology: Conservation
297	9984	Application of microsatellite markers in the conservation of <i>Helianthus schweinitzii</i> (Torr. & A. Gray)	Conservation Genetics
299	9979	Stickier Than Expected: Optimized DNA Isolation in Southeastern <i>Drosera</i> Species	Conservation Genetics
301	9743	Fecal DNA Analysis of <i>Sylvilagus aquaticus</i> Samples	Conservation Genetics
303	10217	Monitoring the Atlantic Pigtoe in North Carolina using eDNA applications.	Conservation Genetics
305	9650	Herbaceous vascular plants of Blue Springs State Park and Forever Wild Tract, Barbour County, Alabama	Plant Floristics
307	10160	The flora of Roundabout Meadow Wildlife Management Area (Loudoun County, Virginia): five years of research, education and community partnership in a living lab.	Plant Floristics
309	10500	Tomato Microbe Abundance in Relation to Trichome Density	Plant Floristics
311	10310	Conservation Genetic Analysis of Ozark Milkvetch ( <i>Astragalus distortus</i> ; Fabaceae)	Plant Systematics
313	10140	Examining Disparities in the Use and Access of Health Technology	Scholarship of Teaching and Learning
315	10433	Immersion learning: Experiencing the major ecoregions of Alabama through a new Biogeography Field Study course at Troy University	Scholarship of Teaching and Learning
317	10536	From "I have a great idea" to project completion through experiential, undergraduate service-learning projects as part of Tree Campus USA	Scholarship of Teaching and Learning
319	10541	Learning at UNC Pembroke Through Summer Training Programs: Stroking Scientific Inquiry Through the NC Louis Stokes Alliance for Minority Participation STEM Pathways and Research Alliance (NC LSAMP SPRA)	Scholarship of Teaching and Learning

**ASB 2025 Poster Presentation Schedule**

<b>FRIDAY MORNING (8:00-9:15 AM)</b>			
<b>Poster #</b>	<b>Paper ID</b>	<b>Title</b>	<b>Topic</b>
BBB1	10374	The Effects of Resistance Training on Muscle Strength and Muscle Metabolism in Caloric Restricted Rats	Environmental/Organismal/Ecological
BBB3	10519	Characterizing ORF090 as a Putative Latency Factor in Helicoverpa zea Nudivirus 2 (HzNV-2)	Environmental/Organismal/Ecological
BBB5	10503	Understanding the Evolutionary Co-Variation of the Pectoral and Pelvic Girdles in Rodents	Environmental/Organismal/Ecological
BBB7	10467	A Search for Pathogenic Protists and Viruses in Tarballs Collected from the Alabama Gulf Coast	Environmental/Organismal/Ecological
BBB9	10314	Modeling species distributions of select colubrid snakes in South Carolina	Environmental/Organismal/Ecological
BBB11	10245	Community ecology of an anoxygenic phototrophic mat inhabiting a sulfidic hot spring in Yellowstone National Park: predominant populations and their functional potential	Environmental/Organismal/Ecological
BBB13	10257	Development of Protocol for Determining Soil Bacteria Abundance and Importance to Nutrient Uptake and Crop Yield	Environmental/Organismal/Ecological
BBB15	10262	Symbiosis at the Thermal Boundary of Photosynthesis	Environmental/Organismal/Ecological
BBB17	10276	Describing the monogenean ectoparasites found on freshwater Darter species	Environmental/Organismal/Ecological
BBB19	10159	Stress hormone abscisic acid represses shade avoidance response in Arabidopsis thaliana	Environmental/Organismal/Ecological
BBB21	10167	Prevalence rates of tetB, tetA, and tetM tetracycline resistance genes in environmental Escherichia coli isolates from local waterways	Environmental/Organismal/Ecological
BBB23	10012	Using Trail Cameras to Explore the Effect of Temperature and Precipitation on Plant Phenophases	Environmental/Organismal/Ecological
BBB25	9817	Is the fox afraid of a tiger? Examining responses of meso-predators to native and exotic scents	Environmental/Organismal/Ecological
BBB27	9825	Using eDNA to Characterize Amphibian Communities in Isolated Wetlands of the Longleaf Pine Ecosystem.	Environmental/Organismal/Ecological
BBB29	9827	Longleaf pine native perennial forb seedling recruitment: designing a better seed ball.	Environmental/Organismal/Ecological
BBB31	9810	Environmental predictors of cyanobacteria abundance in freshwater in Upstate South Carolina	Environmental/Organismal/Ecological
BBB33	9811	The effect of coyote range expansion on foxes in the Southeastern US	Environmental/Organismal/Ecological
BBB35	9690	Detection of Canine and Human Tick-Borne Pathogens in Northern Kentucky	Environmental/Organismal/Ecological
BBB37	9736	Coral Growth Under Varied Light Spectra	Environmental/Organismal/Ecological



ASB 2025 Poster Presentation Schedule

FRIDAY AFTERNOON (3:45-5:00 PM)			
Poster #	Paper ID	Title	Topic
162	10162	Eager Empty Nesters: Does Parental Personality Influence Age of Fledging?	Animal: Behavior
164	10390	Field data collection using BEAM: preliminary results	Animal: Behavior
166	10515	Assessing Color Vision in Crayfish with Conditioning	Animal: Behavior
168	10176	Total Phenolic content of tomato ( <i>Solanum lycopersicum</i> ) cultivars and the larval development of <i>Spodoptera frugiperda</i> and <i>Trichoplusia ni</i> .	Animals: Entomology/Invertebrates/Parasitology
170	10181	<i>Alloglossidium progeneticum</i> (Trematoda: Macroderoididae): A parasitic Trematode of Native and Invasive Crayfish in an Urban Watershed	Animals: Entomology/Invertebrates/Parasitology
172	10402	Garbology: A Passive Survey Technique With Entomological Applications	Animals: Entomology/Invertebrates/Parasitology
174	10468	Pollination Energetics in a Changing Climate	Animals: Entomology/Invertebrates/Parasitology
176	10540	Parasitism by the twisted-winged parasite <i>Xenos peckii</i> (Strepsiptera) and its effects on the reproductive health of their host paper wasp, <i>Polistes metricus</i> (Hymenoptera)	Animals: Entomology/Invertebrates/Parasitology
178	9719	Quantifying the effects of restoration efforts on Eastern Hellbender ( <i>Cryptobranchus alleganiensis</i> ) habitat in Virginia's Upper Tennessee River Valley	Animals: Herpetology
180	9798	Preliminary Assessment of the Developmental Toxicity of Lionfish Venom on <i>Xenopus laevis</i> Embryos: Morphological and Growth Impacts	Animals: Herpetology
182	9859	The Effect of In-stream Large Woody Debris Management on Riparian Salamander Population Dynamics	Animals: Herpetology
184	9883	Assessing the efficacy of pattern recognition software in population monitoring of Eastern Newts ( <i>Notophthalmus viridescens</i> )	Animals: Herpetology
186	10524	Exposure to Ultraviolet Radiation Increases Plasma 25-Hydroxyvitamin D <sub>3</sub> Concentrations in Pine Snakes ( <i>Pituophis spp.</i> )	Animals: Herpetology
188	9853	Age Predicts Glioblastoma Patient Survivability	Cell and Molecular Biology
190	9927	Interplay Between Canonical NF-κB and Tumor-Associated Macrophages Regarding CXCL10 Expression	Cell and Molecular Biology
192	10235	Manipulation of Apoptosis and Autophagy During Onset of Symbiosis in the Model Anemone <i>Euxiptasia diaphana</i>	Cell and Molecular Biology
194	10269	Characterization of acetylcholinesterase in two protein fractions for a bioassay of the eastern oyster ( <i>Crassostrea virginica</i> )	Cell and Molecular Biology
196	10386	La Crosse Virus detection through optimization of a commercial Immunofluorescence Assay	Cell and Molecular Biology
198	10422	Investigating HuR as a target for the treatment of Metabolic Disease	Cell and Molecular Biology
200	10488	Understanding the Ability of <i>Bacillus thuringiensis</i> to Act as an Insecticide Using Mutations in GerE	Cell and Molecular Biology
202	10255	Monitoring Presence of the endangered Cape Fear Shiner, <i>Notropis mekistocholas</i> , in the Cape Fear River Basin using eDNA	Genetics
204	10425	Using eDNA to assess the Distribution and Diversity of Native Pollinators in High Point University Campus Gardens	Genetics
206	10442	Detection of an Antibiotic-Resistant Gene in Northeast Georgia Water using eDNA	Genetics
208	10518	Comparing the 3D chromatin organization of breast cancer subtypes through Hi-C analysis	Genetics
210	10195	Investigating Protein-Protein Interactions at the Phage-Host Interface of Bacteriophage Cain	Microbiology
212	10200	Isolation of Glyphosate-Degrading Microbes from Agricultural Samples and Potential for Future Applications	Microbiology
214	10241	The Microbial Ecology of Cold Sulfur Springs in Blount Springs, Alabama	Microbiology
216	10249	<i>In vivo veritas</i> : transcriptomics reveals expression patterns driving pathogenicity of hypervirulent <i>Aeromonas hydrophila</i> in channel catfish	Microbiology
218	10290	Culture and Characterization of Nitrifying Bacteria for Optimized Seeding of Aquaculture Systems	Microbiology
220	10320	Employing ddPCR for microbial source tracking in central Alabama watersheds.	Microbiology
222	10560	Characterization of Basic Growth and Virulence Factors of <i>Ewingella americana</i>	Microbiology
224	10271	Variation in genetic structure and parasite prevalence in Northern cardinals ( <i>Cardinalis cardinalis</i> ) and their ectoparasites across ecoregions in Arkansas	Ecology: Populations
226	10296	Alligator population structure, movement, and habitat use on Bald Head Island, North Carolina	Ecology: Populations
228	10304	Impact analysis of climate change on localized earthworm populations	Ecology: Populations
230	10343	Insect visitors to oak mistletoe ( <i>Phoradendron leucarpum</i> ) flowers in forested wetlands of eastern Virginia and North Carolina	Ecology: Populations
232	10440	Fruit preferences of Eastern Bluebirds during the winter in southwestern Kentucky and northwestern Tennessee	Ecology: Populations
234	10495	Mammal Life History Databases Compared	Ecology: Populations
236	10219	Fire Effects on Arboreal Vegetation in a Native Prairie Restoration	Ecology: Communities
238	10232	Medium-to-large bodied mammal diversity at Carolina Wildlands Foundation: Three years of Snapshot USA data compared to national trends.	Ecology: Communities
240	10300	The role of plant phylogenetic relatedness on community assembly in the undisturbed Cherokee Prairie in northwest Arkansas	Ecology: Communities

ASB 2025 Poster Presentation Schedule

FRIDAY AFTERNOON (3:45-5:00 PM)			
Poster #	Paper ID	Title	Topic
242	10307	Pollinator-Mediated Dispersal and Community Coalescence: Linking Pollen Diversity to Nectar Microbiome Assembly in <i>Hamelia patens</i>	Ecology: Communities
244	10359	Analyzing the interaction between stem-boring insects and <i>Spartina alterniflora</i> reproduction	Ecology: Communities
246	10403	Does winter leaf reddening protect <i>Galax urceolata</i> from herbivory?	Ecology: Communities
248	10549	Impact of invasive Chinese privet ( <i>Ligustrum sinense</i> ) removal on woody species recruitment and succession in a residential wetland, seven years later	Ecology: Communities
250	10576	Effects of coexistence between <i>Lepomis cyanellus</i> and <i>Lepomis auritus</i>	Ecology: Communities
252	10221	Assessment of Stand Age Structure and Fire Dynamics in Longleaf Pine ( <i>Pinus palustris</i> ) Savannas and Pond Pine ( <i>Pinus serotina</i> ) Pocosins in the Green Swamp Preserve, North Carolina	Ecology: Ecosystems and Landscapes
254	10275	"Moving" mountains: modeling the distribution of southern Appalachian spruce-fir sky islands in space and time	Ecology: Ecosystems and Landscapes
256	10544	Uncrewed Aerial Systems versus traditional field surveys: a comparison of field methods for detecting geographic expansion of invasive wild sugarcane ( <i>Saccharum spontaneum</i> L.) populations in southern Florida	Ecology: Ecosystems and Landscapes
258	10201	Fishes and Crayfishes of the Troy University Arboretum	Ecology: Freshwater
260	10288	An investigation of the effects of stream restoration on aquatic macroinvertebrate assemblages in two first-order tributaries of the Middle Fork Forked Deer River in West Tennessee.	Ecology: Freshwater
262	10373	Characterization of Blackwater Wetland Reference Sites in Alabama	Ecology: Freshwater
264	10383	Linking Changes in Common Blood Parameters to Physical Trauma Using Fish as a Model	Ecology: Freshwater
266	9851	Ecology of Freshwater Sponges in Western North Carolina	Ecology: Freshwater
268	10051	Analysis of Fauna, Taxa, and Predation Frequency of the Upper Waccamaw Formation	Ecology: Marine
270	10229	Quantifying success of Bald Head Island's living shorelines through ecosystem service assessment over a three-year period	Ecology: Marine
272	10449	Characterizing shallow-water estuarine microhabitats and associated early stages of marine fishes	Ecology: Marine
274	9737	Estimate of Biomass and Carbon Storage in Cane Creek Mountains Natural Area	Ecology: Climate
276	9804	Scalable Carbon Dioxide Flux Measurements for Ecological Monitoring using Connected Hardware and Cloud-based Software	Ecology: Climate
278	10142	Increased Temperature Effects Growth Rates and Survivorship of Longleaf Pine and Wiregrass: Implications for a Warming Climate	Ecology: Climate
280	10220	Exploring Ecological Symphonies: Unraveling Shifts in Phenophases of Trees vis-à-vis Changing Temperatures	Ecology: Climate
282	10055	Effects of Manipulated Incubation Temperature on Nest Success and Nestling Growth in Eastern Bluebirds	Ecology: Conservation
284	10109	Citizen Science as a Tool for Conservation Management: An Assessment of an Unstructured Data Platform 1890s-2024	Ecology: Conservation
286	10114	Multi-Dimensional Assessment of Species Composition and Vegetative Health Via Aerial Imagery and Machine Learning	Ecology: Conservation
288	10292	A Spatial Analysis of Conservation Easement Characteristics and Biodiversity	Ecology: Conservation
290	10321	Forest soil microbiome dynamics after <i>Lonicera maackii</i> removal in central Kentucky	Ecology: Conservation
292	10413	Preliminary Data from Noninvasive Small Mammal Surveys at the Cahaba Biodiversity Center in Central Alabama.	Ecology: Conservation
294	10502	<i>Persicaria perfoliata</i> 's Dissemination in Boone, North Carolina	Ecology: Conservation
296	10565	Using the NatureServe Climate Change Vulnerability Index to assess risks to rare plant species within Chesapeake & Ohio Canal National Historical Park	Ecology: Conservation
298	10041	Expansion of Surveying for the Eastern Hellbender Across Northwest North Carolina Using eDNA	Conservation Genetics
300	9726	Genotyping an ex-situ collection of <i>Spiraea virginiana</i> for Potential Augmentation Work in Great Smoky Mountains National Park	Conservation Genetics
302	9909	Development of an eDNA Assay to Monitor the Endangered <i>Moxostoma sp. Carolina</i> (Carolina Redhorse) in North Carolina Waterways	Conservation Genetics
304	10566	The Effects of Secondary Contact on Tellico Salamanders ( <i>Plethodon aureolus</i> )	Conservation Genetics
306	9878	Exploring the usability of iNaturalist BioBlitz data as a means for monitoring invasive plant species	Plant Floristics
308	10327	An Overview of Section 6 Funding for At-Risk Plant Species in Alabama	Plant Floristics
310	10556	Evaluating Bottomland Hardwood Forest Restoration in West Tennessee After 10 Years	Plant Floristics
312	10471	Investigating the distribution of the poorly understood narrow endemic, <i>Chelone obliqua</i> var <i>erwiniae</i> .	Plant Systematics
314	10393	Updates on Culturally Responsive Environmental Science Program Building at Johnson C. Smith University, Charlotte's only and North Carolina's Premier Private HBCU.	Scholarship of Teaching and Learning
316	10480	Impact of Birding on Mental Health In Middle School and High School Students	Scholarship of Teaching and Learning
318	10537	Evaluating Sexual Health Knowledge Among Incoming College Students	Scholarship of Teaching and Learning