

NENHC 2021 Poster Directory

| Last Name | First Name | Title |
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| Arthropod Ecology | | |
| Dupont | Jessica | Variation in the Ability of Suburban Wetlands to Provide Habitat for Odonates |
| Geest | Emily | Potential Distributions of Greater Fritillaries in the Eastern US using Ecological Niche Modeling |
| Krsnak | Emily | Soil Microarthropod Abundance and Diversity in Native Meadows which have Transitioned from Agricultural Crop Production |
| Mills | Cassidy | Describing Genetic Diversity in a Non-Native Ant-Mimicking Spider |
| Ophals Van Alstine | Julia Niaomi | Success of Batesian Mimicry in the Ant-mimicking Spider <i>Myrmarachne formicaria</i> |
| Wolf | Alexandra | Heterogeneity in Monarch Butterfly Movement |
| Avian Behavior and Parental Care | | |
| Boyle | Margaret | Social-network Structure in Winter Flocks Involving Chickadees and Titmice in New York |
| Carro | Mariana Emilia | Exploring Object Neophobia in Wild Nesting House Wrens |
| Farris | David | Nest-box Microclimate Influences Incubation Behavior: A Suburban and Rural Comparison |
| Freeman | Hailey | The Effects of Early Life Adversity during Postnatal and Adolescent Periods on Zebra Finches |
| Medica | Joseph | Gray Catbird Parental Care |
| Avian Diets and Habitat | | |
| Castillo | Joanna | Diet Composition of Hudsonian Godwit in a Coastal Wetland of Patagonia Argentina |
| Farrell | Alexandra | Patterns of Change: Potential Effects of Land-cover Change on Raptor Species in the Great Basin Region |
| Loi Kwasinski | Cynthia Victoria | Nutritional Quality of Native and Non-Native Fruits for Migratory Songbirds |
| Mayne | Samuel | Songbirds Provide Pest-control Services on New England Farms |
| Romaker | Bailee | Uncovering Bird Diets on Kenyan Coffee Farms |
| Avian Habitat Use and Ecology | | |
| Gianvecchio | Michelle | Extrinsic and Intrinsic Factors Influence Energetic Condition of <i>Catharus</i> Thrushes at a Northern Stopover Site |
| Lindsteadt | Audrey | Potential Niche Differentiation During the Breeding Season Among Two Generalist Insectivores: Eastern Bluebird and House Wren |
| Schlener | Jenna | Winter Raptor Abundance and Distribution in Addison County, Vermont |
| Stokes | Brian | Examining Breeding Habitat of <i>Setophaga caerulescens</i> (Black-throated Blue Warbler) in Northeastern Forests |
| Thornton | Lara | Do Fires Change <i>Rhea americana</i> (Greater Rhea) Habitat Use? Study in the El Palmar National Park, Argentina |

Avian Migration

| | | |
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| Bros | Alexandra | Energetic Condition and Refueling in Two Species of Thrushes at a Fall Stopover Site on Lake Ontario |
| Cuadros | Sandra | Broad-winged Hawks Overwintering in the Neotropics: Landscape Composition and Threats in Their Wintering Areas |
| Hoh | Rachael | Physiological Condition of Passerines During Fall Migration Stopover Near Lake Ontario |
| Jahn | Alex | Highly Variable Seasonal Movements of Individual Snail Kites in South America |

Avian Morphology and Physiology

| | | |
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| Buddy | Miles | Eye Morphology and Activity Pattern in Ammospiza Sparrows |
| Krajcir | Kevin | Comparative Physiology of Two Cardinalid Species in a Heavily Modified Habitat |
| Tanaka | Tomonori | Osteological histology of the Cretaceous Seabird <i>Pasquiaornis</i> (Avialae, Hesperornithiformes): Implications for the Flight Ability of the Basal Hesperornithiforms |
| Welch | Shannon | Feather Coloration in <i>Junco hyemalis</i> (Dark-eyed Junco) |

Avian Population Biology

| | | |
|---------------|-----------|---|
| Allenback | Dylan | Influence of Spring and Summer Rainfall on Breeding Populations of Lark Buntings in Colorado |
| Duran | Diego | |
| Lokey | Elise | |
| Augustine | Stephanie | Influence of Elevation on Canada Warbler Population Dynamics in the Central Appalachian Mountains |
| Maenza-Gmelch | Terryanne | Assessment of Bird Community Stability in the Hudson Highlands West Important Bird Area, New York |
| Smith | Kayla | Monitoring the Northernmost Black Skimmer Colony on the Atlantic Coast |

Breeding and Nesting Biology of Birds

| | | |
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| Bosche | Andrew | The Influence of Temperature on the First Egg Laying Date in Three Cavity-nesting Songbirds |
| Gallagher | Erin | Estimating Nest Productivity and Identifying Sources of Nest and Chick Mortality in Least Tern Colonies in the Outer Banks |
| Green | Lauri | Variation in Feather Sizes used in Tree Swallow (<i>Tachycineta bicolor</i>) Nest Construction and Relationship to Reproductive Success |
| Hollenbush | Bethany | Nest Success and Nest-site Characterization in Gray Catbirds |
| Murphy | Natasha | Breeding Phenology, Movements, and Diet of Barn Owls (<i>Tyto alba</i>) in Mississippi |
| Paulsen | Sienna | Veery (<i>Catharus fuscescens</i>) Nest Composition and Structure |
| Stumpf | Katie | Effect of Heat-abatement Treatment on Nest-box Temperature and Reproductive Success of Eastern Bluebirds |

Conservation and Biodiversity

| | | |
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| Moore | Sean | Data Compilation and Spatial Mapping of Biodiversity in Suburban Natural Areas |
| Ramos | Lauren | The Effects of the Highlands Conservation Act on Landscape-Scale Conservation and Protection of At-risk Species |
| Rubino | Caitlyn | Repeat Photography Captures a Century of Landscape Change on Aquidneck Island, RI (1880–2020) |
| Stech | Maranda | Comparison of Community Composition in Recently Restored and Natural Wetlands |

Contaminants, Parasites, and Disease in Birds

| | | |
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| Chen | Zhuoxue | Early Bird Gets the Worms: Prevalence and Intensity of <i>Syngamus trachea</i> in European Starling (<i>Sturnus vulgaris</i>) at Four airports in New Jersey and New York |
| Gamblin | Anna | Lead Concentrations in Black Vultures at Two Solid Waste Management Facilities in Mississippi |
| Glynn | Kenneth | Examining the Blood Lead/age Dynamic of a Songbird in Michigan Following the Water Crisis in Flint |
| Hatch | Meg | Seasonal and Species Differences in Feather Mite Intensity in Eight Songbirds |
| Zahor | Dorothy | Did the Flint Water Crisis Pollute Urban Soils? A Look at Urban Bird Blood Lead |

Crab Population Biology

| | | |
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| Davis Farkas | Natane Ilona | Long Island Sound <i>Limulus polyphemus</i> (Horseshoe Crab) Density: What Happens When a Dominant Population Declines? |
| McCusker Farber | Haley Taylor | Boom–Bust Dynamics of Asian Shore Crabs in Southeastern New England |
| Gouthro | Alexis | Decline in Population Density and Body Size of the Invasive Asian Shore Crab on Cape Cod, Massachusetts |
| Tolles Munafo | Allyson Jacob | Anthropogenic Effects on Asian Shore Crab Densities in Southeastern New England |

Fire Ecology

| | | |
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| Cave | Hannah | Fire at the Flat Rock: Wildlife Response to Wildfire in a Northern New York Jack Pine Barrens |
| DeFeo | Julia | Effects of Burn Severity on Diversity of Arthropod Communities in Pinelands Ecosystems |
| Osmer | Mikayla | Regen at the Rock: Fine-Scale Patterns of Jack Pine Regeneration at Altona Flat Rock, NY |
| Thompson | Heather | Insect Community Regeneration Following a Wildfire at Altona Flat Rock Pine Barren, Altona, New York |

Forest Ecology

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| Griffiths | Sophia | Mountain Migration: Elevational Range Shifts by Tree Species in the Adirondack Mountains |
| Jenkins | Jerry | A Northern Forest Atlas Sampler |
| King Rezendes | Sean Drew | A Comparison of Mammal Diversity and Abundance in Two Forests in Massachusetts |

Freshwater Ecology

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| Lengel | Timothy | Assessing the Impact of Dam Removal on Growth of <i>Anguilla rostrata</i> (American Eel) |
| Moffett | Caleb | Genus <i>Elliptio</i> Importance and Relationship to Zebra Mussels in Lake Champlain |
| Nealon | Kelly | Introduction of Native <i>Podostemum ceratophyllum</i> Michx. (Podostemaceae, Hornleaf Riverweed) into the Norwalk River, Wilton, CT |
| Racz | Nadia | Zebra Mussels: Are They Truly Harmful? |
| Tamulynas | Rianna | Assessing Impact on Dam Removal on Stream Habitat and American Eels |

Herpetology

| | | |
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| Ash | Lauren | The Impact of Host Diversity on Ranavirus Prevalence in Vermont Amphibian Communities |
| Shaw | Bethany | Encountering Multiple <i>Plethodon cinereus</i> (Red-Backed Salamander) Under the Same Cover Object, Spring vs. Fall |
| Snyder | Kimberly | Amphibian Species Richness and Distribution in Vernal Pools at Glover's Ledge, Langdon, NH |
| St John O'Roak | Alyssa Alex | SPARCnet Year 4: Seasonal Differences in Abundance of <i>Plethodon cinereus</i> in SE Massachusetts |

Human Impacts and Urban Ecology

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| Albro | David | Comparison of Two NYC Water-quality Databases Obtained through the Government and a Citizen Science Group |
| Galli | Cara | Urban Coyote (<i>Canis latrans</i>) Habitation on Long Island and its Implications |
| Lenberger | Brandon | Assessing The Nutrient-Removal Potential of Floating Treatment Wetlands In A Mesocosm Field Experiment |
| Riand | Fanny | Correlations Between Free-ranging Domestic Cat Activity and Land-Cover Type across an Urban Gradient |
| Skolnick | Anna | Effects of Climate and Atmospheric Deposition on Tree Growth in a Boreal Peatland at its Southern Range Limits |

Invasive Species

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| Christian | Rory | Impact of Japanese Knotweed on Eastern Red-backed Salamanders and Macroinvertebrates |
| Meichenbaum | Anna | The Effects of Biological Controls on Soil Seedbanks and the Habitat Restoration of a Secondary Successional Forest |
| Pipino | John | Entomopathogenic Nematodes as Biological Control Agents of the Invasive Brown Marmorated Stink Bug |
| Reiss | Kristen | Variables Affecting the Growth of the Invasive Plant, <i>Microstegium vimineum</i> , in Bedford, New York |
| Rice | Isabelle | Observance and Eradication of Incised Fumewort in the Bronx River Watershed |

Invasives Management Techniques and Strategies

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| Davis | Raena | Distinguishing Between Invasive and Native <i>Phragmites australis</i> Haplotypes Using DNA Barcoding |
| Henderson Born | Jaimie Laura | Evaluating Standardized Approaches to Identifying Priority Invasive Species for the Town of Colonie |
| Kolozsvary | Mary Beth | Creating Learning Opportunities and Community Partnerships to Advance Invasive Species Awareness and Management |
| O'Uhuru | Ayodele | Identifying New Invasives in the Face of Climate Change: A Focus on Sleeper Species |
| Vega | Luis | CSI Botany: Multiple DNA iFingerprints Resolve Identity of Urban White Water Lily |
| Walter | Jacob | Using a Network Approach to Study the Co-Occurrence of Multiple Non-Native Species in Adirondack Communities |

Marine and Coastal Ecology

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| Cahill | Megan | Benthic Macroinfauna Community Composition in a Partially Restored Back-barrier Salt Marsh Lagoon on Cape Cod National Seashore, MA |
| Eiden Maresca | Joseph Jamie | Rebuilding of <i>Crassostrea virginica</i> (Eastern Oyster) Reefs to Restore Ecosystem Services |
| Farrelly | Cory | First Record of an Adult Sharptail Mola in Massachusetts and Notes on Ocean Sunfish Strandings |
| Mongiello | Michael | Drills do not Access Oyster Prey in Artificial Cages by Climbing Up Pilings |
| Morrill Morales | Max Victoria | <i>Spartina alterniflora</i> (Smooth Cordgrass): What is Gained When a Foundation Species is Restored? |
| Whaley | Thomas | A Meta-analysis Reveals Context Dependence in the <i>Spartina–Geukensia</i> Mutualism |

Pollinators

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| Keal | Gloria | Empire State Native Pollinator Survey: Saproxylic Hover Flies within Rare Old-growth Forest Habitats of NY State |
| Kolozsvary | Mary Beth | Assessment of Key Pollinator Habitat on a Suburban College Campus |
| Lonker Buehrer | Sydney Madeline | Determining the Diversity of Native Insect Pollinators in Nonagricultural Landscapes within the Mianus River Gorge Preserve |
| Menendez | Allison | Evaluating the Use of Artificial Nests by Native Bees |

Science Education

| | | |
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| Brown | Emma | Transitioning Field Ecology Courses to Remote Instruction |
| Machrone | Alexandra | Campus Resources for Natural History Education: Development, Benefits, and Outreach |
| Mensah | Joshlyn | From Fillets to Fish Natural History |
| Norris | Mark | Enhancing Ecological Pedagogy with Individual Mandala Projects |

Song and Vocalizations in Birds

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| Abbreccia | Ariana | Variation in Song Repertoires of Males in Relation to Ancestry in a Chickadee Hybrid Zone |
| Goodman | Brooke | Comparing Song Repertoires in Urban vs. Rural Northern Cardinals |
| Sidare | Alex | Does Flight-calling Behavior Differ in Response to Conspecific and Multispecies Calling Cues? |

Urbanization and Human Presence: Effects on Birds

| | | |
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| Annon | Oshane | The Challenge of Anthropogenic Noise to Songbird Communication |
| Nunez | Xiomara | |
| Gannon | Kaitlyn | The Effects of Human Disturbance on Foraging Behavior of Wintering Sanderlings |
| Hinton | Timothy | Evaluation of a University Campus as a Woodpecker Conservation Site in the Southeastern US |
| Larkins | Jenna | Nuthatch Territories on The University of North Carolina at Pembroke Campus |
| Luna | Shyla | Causes and Consequences of Nest Predation in Northern Cardinals (<i>Cardinalis cardinalis</i>) in Rural and Urban Habitats |
| Polekoff | Sarah | Exploratory Behavior of Urban and Desert House Finches |
| Rushford | Tiffani | Anthropogenic Disturbances Affect the Distribution and Abundance of Shorebirds on Long Island Sound Beaches |

Using Trail Cameras and Other Technology to Document Habitat Use

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| Alleger | Todd | Using Nanotag Technology to Identify Landscape-scale Habitat Use of Multiple SGCN in New England |
| Hibbs | Flynn | Ecological Effects of Utility-Scale Solar Arrays on Macrofauna in New England |
| Marler | Sophia | Bidwell Street Open Space Wildlife Surveillance Project |
| O'Connell | Kendall | Baseline Understanding of Mesocarnivores in the Downeast Lakes Community Forest |
| Riordan | Kayla | Impact of Moon Phase on Animal Activity in South Burlington, VT |
| Stewart | Geoffrey | |
| Strzepa | Timothy | Impact of Temperature on the Diversity and Abundance of Animals in South Burlington, VT |
| Clory | Brynn | |
