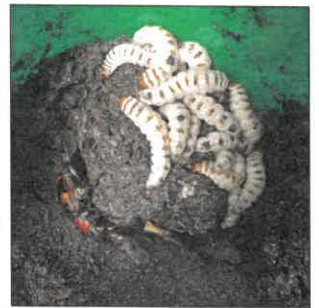




THE
NORTHEAST

NATURAL HISTORY
 CONFERENCE



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SATURDAY AFTER LUNCH	SATURDAY APRIL 20, 2024			
1:30-3:00	Concurrent Sessions - Afternoon I			
	Room A	Room B	Room C	Room D
	Updates in Northeastern Flora I	Frontiers in Marine Invertebrate Digitization I	Conservation of Fungi in the Northeast	Invasive Species and Biodiversity Conservation I
Moderator	Kyle Webster	Liz Shea	Rick Van de Poll	Mitchell O'Neill
1:30-1:35	Introduction & Overview	Introduction & Overview	Introduction & Overview	Introduction & Overview
1:35-1:55	Donald McClelland Simon's Rock Herbarium, a "New" Herbarium for the Northeastern US and Montserrat, West Indies	Katie Pearson Leveraging Digitized (Marine) Specimen Data in Public Data Portals	Hannah Huber Fungal Diversity Survey (FunDiS) and its Role in Conserving Fungi Nationwide	Adam Graziano Quantifying the Effects of Japanese Knotweed Allelopathy on Growth of Native Plants
1:55-2:15	David Werrier Stories Behind the Updates: A Continued Accounting of the Vascular Flora of New York State	Michelle Tang Archiving Fieldwork for the Future: Sharing Your Research with Museum Collections	Jess Rubin & Dave Muska The Vermont Fungal Scientific Advisory Group (FSAG)	Colleen Lutz Impact of Knotweed Species and Land Use On Drift-Insect Diversity in the Housatonic River in Southeastern Massachusetts and Northwestern Connecticut
2:15-2:35	Robert Naczi Progress Report on <i>New Manual of Vascular Plants of Northeastern United States and Adjacent Canada</i>	José Leal Frontiers in Imaging of Specimens in Mollusk Collections	Rick Van de Poll The Rare Northeast Fungi Challenge: Results of a Three-Year Effort	Ashley Morris Northern Snakehead (<i>Channa argus</i>) in New York Waterbodies: Threats and Management
2:35-2:55	Kate Samra Floristics as a Tool for Managing Invasive Species: Case Studies From the <i>New Manual</i>	Gary Rosenberg Live-Dead Distinctions and Why They are Important	Rick Van de Poll Panel Discussion: Conserving Fungi in the Northeast—Where Do We Go From Here?	David Decker Adapting Invasive Species Management Strategies Due to Sea Level Rise on the Hudson River
2:55-3:00	Q & A	Q & A	Q & A	Q & A

LealJ-NENHC2024-Oral Presentation

Session: Frontiers in Marine Invertebrate Digitization

Frontiers in Imaging of Specimens in Mollusk Collections

José H. Leal (Bailey-Matthews National Shell Museum & Aquarium, Sanibel, Florida)

Natural history collections are important depositories of biodiversity data. Digital photography of natural history collection specimens and subsequent dissemination of the resulting images on the web allow for the virtual discovery of these specimens, enhancing their accessibility to the target audience and the public in general. This presentation discusses digital photography of marine mollusks in collections, including some of the latest techniques for imaging of very small specimens, photography of specimens preserved in liquid, haptobionts, problems of color retention, transparency, 3-D photography, equipment, and other current areas of interest. Despite the focus on mollusks, the discussions can be extrapolated as generalities applicable to invertebrates from other phyla. The presentation also includes a discussion on equipment and the ideal digital parameters for imaging of natural history collection specimens, including image policies on acceptable file-format requirements for data hosts and aggregators such as iDigBio and others. (The presentation includes work funded in part by the NSF Thematic Collections Network grant award 2001528 “Mobilizing Millions of Mollusks from the Eastern Seaboard”).