Summary of Arnot Forest Academic Activities (2020 – 2023)
Peter Smallidge, NYS Extension Forest and Director, Arnot Teaching and Research Forest

Colleges and Departments

- Agriculture and Life Sciences
  - Natural Resources and Environment
  - Ecology and Evolutionary Biology
  - Center for Sustainable Global Enterprise (indirectly connected)
  - Civil and Environmental Engineering (indirectly connected)
  - Entomology
  - Botanic Gardens
  - Food Science

- Architecture, Art, and Planning
  - Architecture

- Arts and Sciences
  - Neurobiology and Behavior

Total of grants active during the period of 2020 – 2023 = $7,468,174.

Class Use
NTRES 2100 – Field Biology
NTRES 3250/6250 – Forest Management and Maple Syrup Production
NTRES 3260/6260 – Applied Conservation Ecology
PLSCI 2260 – Practicum in Forest Farming
PLSCI 2430 – Ecology and Evolution of Plants
PISCS 2940 – Introduction to Agricultural Machinery

Investigators and Staff Involved with Academic (R & E) Projects active at the Arnot Forest
Belisle, Catherine - CALS Natural Resources and Environment
Bodmer, Pascal - CALS Ecology and Evolutionary Biology
Bowe, Audrey – CALS Botanic Gardens
Chedzoy, Brett – CCE Schuyler County
Childs, Stephen - CALS Natural Resources and Environment
Clyne, Ailis – CALS Natural Resources and Environment
Curttis, Paul - CALS Natural Resources and Environment
Dando, Robin - CALS Food Science
Daniel, Robert – CALS Natural Resources and Environment
Fahey, Timothy - CALS Natural Resources and Environment
Gannon, Katie - CALS Ecology and Evolutionary Biology
Gilbert, Cole – CALS Entomology
Goebel, Marc - CALS Natural Resources and Environment
Holgerson, Meredith – CALS Ecology and Evolutionary Biology
Katz, Daniel – CALS School of Integrative Plant Science
Lauber, Bruce - CALS Natural Resources and Environment
Milstein, Mark, SC Johnson Center for Sustainable Global Enterprise (indirectly connected)
Morreale, Stephen  - CALS Natural Resources and Environment
Otto, Keith - CALS Natural Resources and Environment
Reiter, Matthew T. - CALS Civil and Environmental Engineering (indirectly connected)
Sheehan, Michael – CAS/CALS Neurobiology and Behavior
Smallidge, Peter, CALS Department of Natural Resources and Environment
Stedman, Rich - CALS Natural Resources and Environment
Sullivan, Kristi - CALS Natural Resources and Environment
Walsh, Katie - CALS Natural Resources and Environment
Weinstein, David - CALS Natural Resources and Environment
Wesley, Robert – CALS Botanic Gardens
Wightman, Aaron - CALS Natural Resources and Environment
Wild, Adam – CALS Natural Resources and Environment
Woodbury Peter - CALS SIPS Crop and Soil Sciences Section
Xu, Xiangtao – CALS Ecology and Evolutionary Biology
Yavitt, Joseph - CALS Natural Resources and Environment
Zivkovic, Sasa - CAAP Architecture

Sponsors
Appalachian Regional Commission
CCE Schuyler County
Cornell Atkinson Center for Sustainability
Doris Duke Fund
Department of Natural Resources and Environment
North American Maple Syrup Institute
NYS Center of Agricultural Medicine and Health
NYS Department of Agriculture
NYS Department of Environmental Conservation
Projects Active at the Arnot Forest 2020-2023

- ACER 1 - Efficient, Profitable and Sustainable Maple Production through Applied Research, Education and Innovative Technologies
- ACER 2 - Expanding Knowledge for the Efficient and Profitable Production of Quality Maple Syrup and Value-Added Products
- ACER 3 - Maximizing Productivity of Maple Enterprises through Increased Sap Utilization and Development of New Value-Added Products
- ACER 4 - Best Practices for Increasing Maple Production through Forest Management and Extending Sap Collection Season
- ACER 5 - Improving Resilience of Maple Businesses in a Warming Climate
- ACER 6 - Preserving and Adapting Maple Flavor for New Market Opportunities
- Arnot Forest Maple Lab and Sugarhouse Renovation
- Climate and Applied Forestry Research Institute
- Cornell University Maple Research Program
- Designing Sustainable Multistory Cropping Systems for Maple Sugarbushes
- Educational Tours of Applied Research and Management
- ForestGEO site @ Pine Creek Watershed of Arnot Forest
- Forests in Flux: Strategies for Resilience in the Face of Environmental Change
- Game of Logging Chainsaw Safety and Efficiency Trainings
- Guise plots - 89-year-old, Long-term Forest Monitoring
- Improve Sustainable Forest Production with Forest Biomass Monitoring Using Terrestrial LiDAR Technology
- Improving Maple Technology and Syrup Quality: ARC maple lab equipment
- Maple Climate Network
- Maple Lab and Sugarhouse Renovation
- New York Master Naturalist Volunteer Program
- Permanent inventory plots (PFI) at Arnot Forest
- Professional Development and Training
- Quantifying Pond Greenhouse Gas Emissions and Carbon Burial
• Slash Walls and LIDAR: Measuring Plantation and Young-Forest Carbon
• Sustaining the Productivity of NY's Private Woodlands - A Solution to Conservation Needs
• UPCYCLING ASH TO GLULAM: Towards New Manufacturing Technology and Sustainable Market Applications for Emerald Ash Borer (EAB) Infested Tree Populations.
• Wildlife Use of Slash Walls