

Mr. Lindsey A. Purcell
Urban Forestry Extension Specialist
Department of Forestry and Natural Resources
Purdue University

Teaching and Research Experience

Instructor, Department of Forestry and Natural Resources, Purdue University, 2009-present

Courses taught include:

- FNR 444- Arboriculture Practices is a 4-credit hour course. The purpose of this course is to familiarize students with the principles and practices of arboriculture. Students will explore the various skills and techniques involved tree care and recognize the best management practices utilized in arboriculture including climbing, rigging, felling, risk management and plant health care.
- FNR 445- Urban Forestry Issues is a 3-credit hour course. This course presents an array of topics germane to the management of trees in the urban environment. This issues-based class explores challenges presented to urban foresters and related topics such as the benefits of trees, tree appraisal, tree ordinances, tree inventory and management plans, and tree preservation.

Instructor, Horticulture Technology, Vincennes University, Vincennes, IN, 1986 – 1995

- Instruction of students in the Horticulture Technology program including landscape design, plant identification, pest management, and other related horticultural science classes.
- Curriculum development for related classes within the horticulture program.
- Instructor for Adult Continuing Education Program, creating and implementing programming in ornamental horticulture.
- Co-producer and editor of Indiana Accredited Plantsman training video for the Indiana Nursery and Landscape Association.
- Project writer for the Indiana Department of Education.

Research Co-PI, Purdue University, Managing Emerald Ash Borer, contributor in development of web-based cost calculator for projecting management costs and restoration during a planned response to an emerald ash borer invasion, evaluating distribution and persistence of emamectin benzoate using various micro-injection systems.

Diagnostician, Purdue Plant and Pest Diagnostic Laboratory, North Central Region of the National Plant Diagnostic Network, sample handling and diagnosis and training delivery and resources for extension educators and the public.

Research Consultant, The Center for Environmental and Regulatory Information Systems (CERIS) within the Entomology Department. Contribution in the system for the USDA/Forest Service titled UFORHIC (Urban Forest Health Information Center) providing information for databases, mapping capability, data entry via the iTree product as well as a direct web interface upload.

Student advisor, Purdue Student Society of Arboriculture, student organization which promotes additional learning opportunities from industry professionals, conference attendance and project-based learning, applying knowledge and skills studied in the classroom with service-based work in the community.

Student advisor, Northview Collegiate, student organization representing a nondenominational church which helps students with their emotional, mental and spiritual well-being as they go through their college experience and to prepare them for leadership roles.

Professional Experience

Urban Forestry Specialist, Purdue University, 2009 – present

- Lead Extension Administrator for Purdue Extension, the land-grant institution for the State of Indiana.
- Author/Co-author on over 30 extension publications relative to urban forestry, arboriculture, horticulture and wood products.
- Outreach and education to federal, state and municipal officials as well as industry professionals providing arboricultural and urban forestry resources and seminars.
- Urban Forestry specialist providing assistance in urban ecosystems management to Indiana communities working in each Indiana county and over 40 cities and towns statewide.
- Provide training and educational opportunities to industry professionals in all aspects of arboriculture and urban forestry including certified arborist preparation and tree risk assessment qualification.
- Curriculum development and instruction of the Indiana Department of Natural Resources Tree Steward training program. The Indiana Community Tree Steward Program is offered three times a year throughout the state. Participants learn about the basics of urban tree care and how to communicate the benefits of urban trees. Attendees are asked to then use their skills by volunteering service to local communities to improve or maintain the urban forest.
- Curriculum development and instruction for the Purdue Master Gardener Program. The Program provides a learning framework for participants to increase their knowledge on a wide variety of horticultural subjects. In turn, participants volunteer and help others grow by sharing knowledge while providing leadership and service in educational gardening activities within their communities.
- Team member contributing to the Purdue Landscape Report which provides science-based, timely information for Midwest landscapes. Articles and supporting photos are created by members of the Purdue Landscape Report Team which consists of Purdue Extension Specialists and Diagnosticians in disciplines including Horticulture, Entomology, Plant Pathology, Urban Forestry and Turf Science within Purdue's College of Agriculture. This information is intended to benefit commercial growers, garden centers, landscapers, arborists, or others who want to keep up with current landscape issues.

Executive Director, Indiana chapter of the International Society of Arboriculture, 2009- present

- Administration and management of the Indiana Arborist Association which includes over 400 members, 15-member board of directors, over 40 volunteers and a financial assistant.

City Forester, City of Indianapolis, 2004 – 2008

- Administration of city ordinance processes as it relates to the urban forest, including oversight of the enforcement and the permitting process.
- Formulation of a comprehensive (long-range) plan for the urban forestry and landscaping program in conjunction with Metropolitan Development.

Forestry Supervisor, City of Indianapolis, IN, 2001 – 2004

- Inspection, Risk tree evaluation and mitigation of trees within City owned properties and parks.
- Responsible for coordination of emergency management team concerning storm events.
- Supervisory responsibilities of up to 20 bargaining unit employees in a union facility.
- Technical training and workshop development, organization and presentation to industry professionals, volunteers, civic and neighborhood groups.

Department Manager, Becker Landscape Contractors, 1995-2001

- Manager of the landscape maintenance department which included commercial and residential tree care and site management.

Education, Affiliations and Licenses

Indiana State University, Terre Haute, IN 47809

M.Ed. degree, December 1993

Purdue University, West Lafayette, IN 47907

B.S. degree, December 1986

Vincennes University, Vincennes, IN 47591

A.S. degree, May 1983.

American Society of Consulting Arborists (ASCA), RCA# 673

International Society of Arboriculture (ISA), Board Certified Master Arborist, IN-1432B

Tree Risk Assessment Qualification, International Society of Arboriculture

Certified TRAQ Instructor, International Society of Arboriculture

Chairman, Regional Plant Appraisal Committee, State of Indiana

Member, International Society of Arboriculture

Member, Tree Care Industry Association

Member, Indiana Arborist Association

Board of Directors, Tree Lafayette, Lafayette, Indiana

Publications and Articles

- FNR 585 Surface Root Syndrome
- FNR-563 Corrective Pruning for Deciduous Trees
- FNR 550 Large Tree Cabling and Bracing
- FNR-463 Construction and Trees: Guidelines for Protection
- FNR-474 Graffiti Removal from Trees
- FNR-473 Tree Appraisal
- FNR-433 Tree Installation: Process and Practices
- FNR-433 Tree Installation: Process and Practices (Spanish)
- FNR-FAQ-11 Why Is My Tree Dying
- FNR-483 Impact of Drought on Trees
- FNR-475 Tree Risk Management
- FNRFAQ-12 Trees and Storms
- FNR-484 Winterizing Trees
- FNR-489 Urban Woodlots
- ID-464 Alternative Options for Invasive Landscape Plants
- FNR-506 Tree Pruning Essentials
- FNR-506s Tree Pruning Essentials (Spanish)
- FNR-541 Tree Pruning video
- FNR-512 Trees and Utilities
- FNR-550 Large Tree Cabling and Bracing
- FNR-547 Tree Support Systems
- FNR-534 What do Trees Think of Pruning
- FNR-531 Tree Selection in the UnNatural Environment
- FNR-538 Choosing a Tree video
- FNR-540- Planting a Tree video
- HO-4 Pruning Ornamental Trees and Shrubs

- HO-140 Fertilizing Woody Plants
- FNR-93 Lumber from Urban Trees
- FNR-492 Mechanical Damage to Trees
- Purcell, L. A. (2009). Putting Power Behind Urban Forestry. *Arborist News*, 18(6), 26-27. Article published on Utility Partnerships and Urban Forestry in Indianapolis, IN.
- Sadof, C. S., Purcell, L. A., Quesada, C., Bishop, F. J., & Zhang, Z. W. (2011). Evaluating Restoration Capacity and Costs of Managing the Emerald Ash Borer with a Web-based Cost Calculator in Urban Forests. *Arboriculture and Urban Forestry*, 37(2), 74-83.
- Purcell, L.A. (2015). Ethical Arboriculture, *Arborist News*, 24(3), 46-48. Article published on promoting ethical practice in the arboriculture industry.
- Purcell, L.A. (2017) Tree Pruning, *Arborist News*, 26(2), 30-33. Article published on the response of trees to pruning.
- Purcell, L. (2018) Tree Pruning; What do Trees Think? *Tree Care Industry Association Magazine*(Volume XXIX, Number 7)
- Purcell, L. (2019). Pruning for Performance and Failure Prevention, *Tree Care Industry Association Magazine* (Volume XXX, Number 2)