ArbNet
THE INTERACTIVE COMMUNITY *of* ARBORETA

ARBNET ARBORETUM ACCREDITATION APPLICATION FORM

The ArbNet Arboretum Accreditation Program provides standards and guidelines for the establishment and development of an arboretum. The goals of the accreditation program are to:

1) *foster the establishment and professionalism of arboreta;*
2) *identify arboreta capable of participating or collaborating in certain scientific, collections, or conservation activities; and*
3) *advance the planting, study, and conservation of trees to improve the world.*

Arboreta that are accredited are encouraged to become leaders and serve as models to promote professional development and engagement with other arboreta.

Different levels of accreditation have been established to recognize arboreta at varying degrees of development, capacity, and professionalism. Accredited arboreta are encouraged to continue their growth and development to achieve higher professional standards.

Arboreta and public gardens are eligible to apply for accreditation by submitting this form along with supporting documentation to demonstrate their level of achievement according to the specified standards. Once the application is completed, a decision will usually be made within four weeks. A site visit by an ArbNet representative may be required as part of the accreditation process.

The ArbNet Arboretum Accreditation Program is sponsored and supported by The Morton Arboretum, Botanic Gardens Conservation International (BGCI), and the American Public Gardens Association (APGA).

Arboreta and public gardens completing an application for ArbNet Accreditation Level III or Level IV are able to provide additional information to be considered for BGCI Botanic Garden Accreditation: https://www.bgci.org/our-work/services-for-botanic-gardens/bgci-accreditation-scheme/botanic-garden-accreditation/.

For more information regarding specific accreditation requirements:

Visit: arbnet.org/accreditation

Call: 630-310-7013

Email: arbnet@mortonarb.org

Please submit your completed application via email:

Email: arbnet@mortonarb.org

The Morton Arboretum

ARBORETUM:

Name of Arboretum:	**Lewis Ginter Botanical Garden**
Address or PO Box:	**1800 Lakeside Avenue**
Mailing Address:	
City:	**Richmond**
State/Province:	**VA**
Country:	**United States of America**
ZIP/Postal Code:	**23228**
Latitude and Longitude:	**37.619978 | -77.470755**
Acres:	**82**
URL:	**www.lewisginter.org**

ARBORETUM CONTACT (FOR ARBNET PURPOSES):

Name:	**Laurel Hill**
Title:	**Plant Records Curator / Senior Horticulturist**
Email:	**laurelh@lewisginter.org**
Phone:	**804-262-9887 x332**

INDIVIDUAL SUBMITTING APPLICATION (IF NOT ARBORETUM CONTACT):

Name:	
Title:	
Email:	
Phone:	

TYPE OF ORGANIZATION:

Please check all that apply:

x	Arboretum		Historical Site	**x**	Nonprofit
x	Garden		Museum		City Park
	College		Cemetery		Town
	University		Business		City
	Zoo		Golf Course		Community
	Other:				

AUTHORIZATION AND VERIFICATION

The chairperson or leader of the applicant arboretum's governing board, organizational group, or authority (corresponding to Section I. below) must approve this application, specifically verifying the accuracy and authenticity of the information it contains. Approval is indicated by placement below of this individual's name, title or role at arboretum, and contact information.

Authorizing/Verifying Governance Leader (other than individual submitting application):

Name:	**Brian Trader, Ph.D.**
Title:	**President/CEO**
Email:	**btrader@lewisginter.org**
Phone:	**804-262-9887x343**

ARBORETUM ACCREDITATION STANDARDS

Accreditation standards are outlined on the website, **arbnet.org/accreditation**, and described in each of the following application sections. Please indicate which of the following standards have been met by the applicant and provide the information requested. Fulfillment of these standards is self-determined by the applicant.

Arboretum accreditation level sought (check one): ___LEVEL I X LEVEL II ___LEVEL III ___LEVEL IV

BGCI Botanic Garden Accreditation sought (if Level III or Level IV checked above): N/A _____ Yes _____ No

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FOUR LEVELS OF ACCREDITATION

Please use this chart as a reference. The levels of accreditation recognize arboreta with different degrees of development, capacity, and professionalism.

	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
Arboretum plan	■	■	■	■
Organizational or governance group	■	■	■	■
Labeled tree and woody plant taxa				
25+	■			
100+		■		
500+			■	■
Staff or volunteer support				
Volunteer or paid	■			
Paid management		■	■	■
Curator			■	■
Scientific or conservation staff				■
Public dimension				
Public access and at least one event per year	■	■	■	■
Enhanced public and educational programs		■	■	■
Substantial educational programming			■	■
Collections policy		■	■	■
Collaboration with other arboreta			■	■
Collections data sharing with networked collections			■	■
Agenda for tree science, planting, and conservation			■	■
Collections conservation				■
Conservation role in Global Trees Campaign				■

1. GENERAL ACCREDITATION REQUIREMENTS (ALL LEVELS)

a. Arboretum Plan

Documentation such as an organizational plan, strategic plan, master plan, or other, that defines the purpose of the arboretum, its audience(s), the types of plants that are to be grown to achieve that purpose and serve those audiences, provisions for the maintenance and care of the plants, and provisions for the continuing operation of the organization through time with a clear succession plan. Sample organizational plans can be found **here** on ArbNet.

Provide a brief description or outline of the type and scope of the plan for your arboretum. Attach the Master Plan document if possible.

Lewis Ginter Botanic Garden operates in alignment with the following guiding documents:

Master Site Plan. This plan "provides an overview of the Garden's dynamic nature and its evolving relationship with its students, guests, and community. It provides organizing themes and overarching direction" for Garden volunteers, staff, and leadership. Last finalized in 2016, this sizeable 120-page document is available online at lewisginter.org .

Strategic Plan. The Garden is guided by its strategic plan, a living document that is reviewed and updated annually by the Garden's staff and the Planning Committee of the Board of Directors of Lewis Ginter Botanical Garden, Inc., and approved annually by the Executive Committee of the Board as well as the Board of Directors. See Appendix A or visit rva.gov for full copy of *Unearthing our Potential*, the Garden's current 2021-2025 Strategic Plan (February 17, 2021).

Disaster Plan. In 2021, the Garden approved its first disaster plan for the purposes of organizing, clarifying, and disseminating information and procedures designed to protect its living and non-living collections and assets. This plan is approved by the President/CEO and the Board of Directors. At the direction of the President/CEO, implementation of this plan is the responsibility of the Chief Operating Officer, Vice President of Facilities, Vice President of Learning and Engagement, and Vice President of Horticulture. The Garden's Disaster Plan (approved September 10, 2021) is attached as Appendix B.

b. Organizational or Governance Group

A governing board, group of people, or authority that is dedicated to the arboretum plan and its continuation beyond the efforts of a single individual. Such an organizational/governance group will affirm fulfillment of standards and authorize participation as an accredited arboretum.

Describe the nature of your governance board or authority and the number and type of individuals involved. Attach any relevant documents or policies relating to the Governance Group.

Lewis Ginter Botanical Garden Inc. is a 501(c)(3) non-profit organization led by a Board of Directors with seven officers and twenty directors. The Board of Directors is supported and augmented by a Board of Associates. Rosters of both boards, meeting schedules, and essential guiding documents can be found online at lewisginter.org.

Internally, the Garden's Leadership Team is comprised of the President/CEO, Chief Advancement Officer, Chief Financial Officer, Chief Marketing Officer, Vice President of Accounting and Administration, Vice President of Facilities, Vice President of Horticulture, Vice President of Learning and Engagement, Human Resources Manager, Director of Volunteers, and President Emeritus.

c. Arboretum Collection

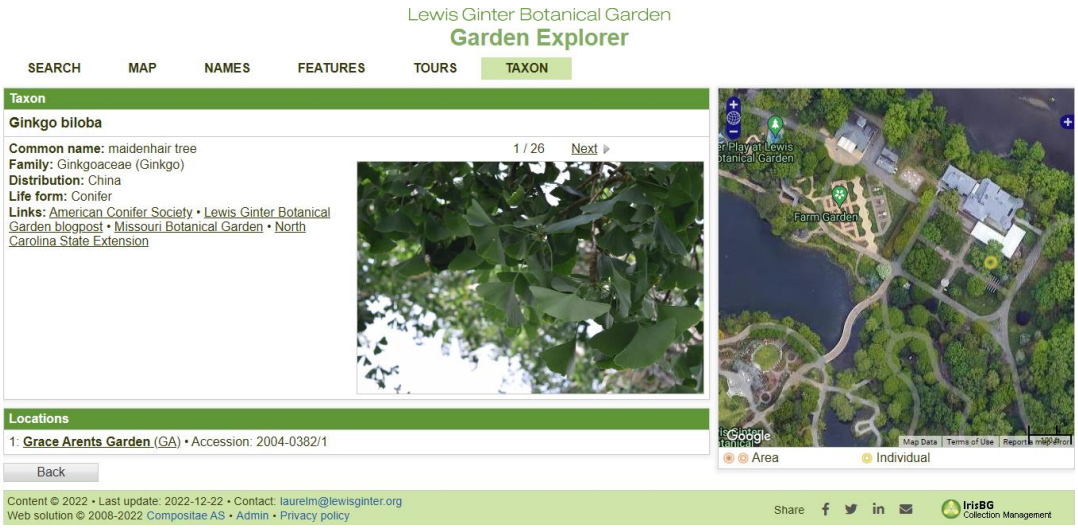
The number of tree and woody plant species being grown in accordance with the arboretum plan. Plants in the arboretum's collection must be labeled in some way to identify them taxonomically, including scientific name and cultivar if applicable, and documented in some way so that information on their acquisition (source or origin, date of acquisition, etc.) is available for access. Minimum numbers are:

25+ Species (Level I) **100+ Species (Level II)** **500+ Species (Levels III and IV)**

Indicate the number of trees/woody plant species in the collection and describe the method for labeling and documenting the plants. Provide the link to your collections database and indicate if it is shared in a searchable, open-access database, such as BGCI PlantSearch (http://www.bgci.org/plant_search.php). If your collection species list is not shared or accessible online, please attach the list with your application.

In the four decades since its incorporation in 1984, the Garden has collected and curated a significant number of tree and shrub taxa. The actual number of unique taxa is likely over 1,900; however, many of those accessions are awaiting inventory. To that end, a comprehensive inventory of this collection began in 2020 and is still ongoing. For the purposes of this application, the Garden submits Appendix C, a curated list of the Garden's trees and woody plant taxa that have been field inspected since January 1, 2020. This list contains 576 unique taxa with records considered to be both current and accurate for accreditation.

Plant records are maintained using IrisBG Collection Management software and add-on modules for mapping, data import/export, and Garden Explorer website. The Garden Explorer website is a searchable, open-access database that displays taxon information, common name, and accession number plus reference links, satellite imagery, plant location, and photographs if available. See Section 1(e) below for more information on the publicly-accessible online Garden Explorer. Additionally, the Garden uses the Floria field app on a hand-held device to perform inventories, collect GPS points, and take pictures from the field. Below is an image demonstrating a typical accession record available through Garden Explorer.



At a minimum, accession items are labeled with a 3"x5" rotary-engraved label that displays taxa common and botanical names, plant family common and botanical name, life form, accession number, and accession item number. These labels are secured to metal stakes via Velcro. The metal stakes are placed at the base of the plant material. Below are two images of the Garden's display labels – left, showing the type and formatting of the information on typical display labels and right, showing a sample label.

List any special taxonomic, geographic, ecological, or conservation collections of note (e.g. oaks; *Acer*; dwarf conifers; halophytes; woody plants of Madagascar; etc.):

The Garden's collection is a well-rounded representation of woody plant material with landscape value, conservation potential, regional nativity, and/or educational use, as noted in Section 2(a) below. The submitted tree and shrub collection numbers 576 taxa with strong representation of species, hybrids, and/or cultivars in the following groups: conifer (86 taxa), magnolia (77 taxa), rose (49 taxa), camellia (46 taxa), maple (37 taxa), rhododendron (34 taxa), holly (33 taxa), boxwood (17 taxa), and oak (15 taxa).

The Garden actively participates in the work of many plant societies including the Holly Society of America

(as an institutional member and Test Hollies Program participant), the American Conifer Society (as an ACS Reference Garden), the Middle Atlantic Chapter of the American Rhododendron Society (as venue, presenter, and tour destination for the 2022 Society Spring Meeting), and the American Camellia Society (as venue for a joint meeting of two local ACS clubs in 2022).

d. Arboretum Staff or Volunteer Support

i. Level I

Employees or volunteers who ensure fulfillment of the arboretum plan and provide for the basic needs of the arboretum collection and functions of the arboretum.

N/A

ii. Levels II, III, & IV

One or more paid arboretum employees who have job responsibilities that specifically include management or operation of the arboretum in fulfillment of the arboretum plan.

The living collection at Lewis Ginter Botanical Garden, which includes the woody plant material listed in this application for arboretum accreditation, is curated and cared for by the Horticulture Department and its volunteers. The Horticulture Department consists of the following paid staff:

- (1) Vice President of Horticulture (vacant)
- (1) Plant Records Curator (full-time, year-round)
- (1) Integrated Pest Management Horticulturist/ISA Arborist (full-time, year-round)
- (4) Section Leaders/Horticulturists (full-time, year-round; 1 vacant)
- (4) Horticulturists (full-time, year-round)
- (8) Assistant Horticulturists (full-time, year-round; 1 vacant)
- (7) Assistant Horticulturists (either full-time seasonal or part-time year-round)
- (2-3) Horticulture Interns (approximately for 12-15 weeks each summer)

Additionally, both plant records and horticulture are supported enthusiastically and regularly by a dedicated volunteer cadre that numbers in the hundreds and a smaller group of federal work study students or service-learning students from local universities.

iii. Levels III & IV

A dedicated curator, or curator-equivalent employee, who is focused on the care and development of the arboretum collection, in accordance with the arboretum plan and collections policy.

N/A

e. Arboretum Public Dimension

A public dimension that includes some level of public access, and at least one public event or educational program each year focused on trees, forest ecology, or arboretum purposes (for example, an Arbor Day observance).

Describe how the arboretum is open or accessible to the public, and name and describe the public events or programs offered.

Lewis Ginter Botanical Garden is dedicated to being an available and accessible venue for its community of online and in-person guests.

ADMISSION AND ACCESSIBILITY

The Garden is open to the public 362 days a year (closed on Thanksgiving, Christmas Eve, and Christmas Day). Normal operating hours are 9 a.m. to 5 p.m. Additional evening hours available for special events and rental clients. Membership or admission is required for entry. For guests experiencing financial hardships, the Garden participates in the discounted membership program Museums for All and offers two popular admission-free days each year (CarMax Free Fourth of July and Genworth Free Community Day).

SOCIAL MEDIA BLOGPOSTS

The Garden has an ongoing social media presence that includes informative, engaging, and publicly-accessible posts and blogposts. Below are a few tree-focused highlights from that educational outreach effort:

January 2020: *Enjoy Simplicity with Winter Tree ID* by Beth Monroe
April 2020: *The Value of Trees* by Mitra Bryant
May 2020: *Love a Tree Day* by Jonah Holland
December 2020 – April 2021: *Invasive Plants: The "Dirty Dozen"* series by Sarah Coffey
January 2022: *Bonsai: The Art of Doing* by Beth Anne Booth

GARDEN EXPLORER

Information and photographs on the Garden's living collections are available free to anyone anytime through the Garden Explorer website. This feature displays selected content from the Garden's IrisBG database to allow guests, students, researchers, and employees no-fee access to the Garden's living collection via smart tablet, phone, or computer. Visible information includes satellite imagery of the property and specimen locations, taxon, common name, accession number, reference links, and photographs.

2. COLLECTIONS AND EDUCATION (REQUIRED FOR LEVELS II, III, AND IV)

a. Arboretum Collections Policy

A collections policy describes the purpose, development, and professional management of the plants in the arboretum collection, in accordance with standards developed in the public garden and museum fields. Such a policy and related practices includes a rationale for holding the particular collections of the arboretum, collections inventory, and record-keeping practices. Examples are available on the **ArbNet website**.

Describe and outline the elements of the collections policy and attach the document if possible.

Lewis Ginter Botanical Garden (hereafter referred to as the Garden) is the vision of its first benefactor, Grace Arents, who willed the property with the specific intent that the land be developed into a "public park and botanical garden" named in honor of her beloved uncle Lewis Ginter. The 82-acre Garden was organized and chartered in 1984 as Lewis Ginter Botanical Garden. In 2016, the Cosby family gifted the Garden their 79-acre property and its significant rhododendron and azalea collection under the name Lewis Ginter Nature Reserve (hereafter referred to as the Reserve).

The Living Collections exist to honor the wishes of Grace Arents and the Cosby family and also to support and advance the Garden's mission to connect people through plants to improve communities. The Living Collections are an essential component of fulfilling the Garden's vision of revealing the unity and integration of human and plant life, celebrating the fundamental significance of the natural world, and enriching communities through horticultural and educational excellence and innovative outreach initiatives. The Garden aims to become a national place of horticultural and educational excellence through the development of Living Collections that embody its core values – responsibility, integrity, hospitality, inspiration and innovation. (Unearthing Our Potential 2019-2024 Strategic Plan December 5, 2018). The Garden and the Reserve serve as a place for visitors to view, enjoy and learn about plants in a beautiful, creative, and sustainably-managed garden setting.

The purpose of the Living Collections Policy is to guide, manage, and focus the acquisition of plant material so that the Garden's resources are used efficiently to develop Living Collections that will serve as a world-class primary resource for learning about the botanical world – its beauty, heritage, and significance to the web of life. The Living Collections Policy applies to all accessioned and/or recorded plant material at both the Garden and the Reserve; it does not apply to natural, unmanaged areas at either location. This policy outlines protocols for plant acquisition, plant propagation, collections management, plant records administration, and plant labeling.

The Garden's Living Collections should be built with the legal, ethical, mindful acquisition of plant material that fulfills one or more of the following: holds historic significance, models stewardship practices, provides exemplar display value, illustrates economic botany, demonstrates natural areas, are included in taxa of focus, and/or preserves certain breeding or hybridizing legacies. Plant material for these purposes should be selected with attention to horticultural value, ecosystem services, tolerance to Conservatory conditions, and educational/interpretative possibilities.

In broad strokes, the scope of the Garden's Living Collections includes and focus on the following: display (demonstration and display of hardy and non-hardy plants), stewardship (water-wise and regional native plants), legacy and history, ethnobotany, natural areas, and plant taxa of focus. Relevant to this application are trees and shrubs with historical value to the Garden's benefactors and the property, trees and shrubs with legacy importance (unique hybrids and/or cultivars of regional breeders), and the following taxa of focus: rhododendron and azalea, magnolia, conifers, and Virginia native plants.

The Living Collections Policy is approved by the President/CEO and the Board of Directors. The Vice President of Horticulture is responsible for implementation of the policy and biannual review of the policy.

Reference Appendix D to read the full Living Collection Policy (updated April 7, 2021).

b. Enhanced Educational and Public Programming

Enhanced or substantial educational and public programming beyond the basic level required for Level I accreditation. Programs must be related to trees (e.g. tree identification, forest ecology, conservation, collections, or some other tree-focused aspect of the arboretum mission or master plan).

i. Level II Enhanced Education Program

Lewis Ginter Botanical Garden provides engaging educational opportunities through a wide variety of

programs that include K-12 programs, structured adult education programs, thematic adult tours, and informal self-paced, self-guided, drop-in activities. Programs are created and delivered by a robust collaborative of staff and volunteer educators, horticulturists, garden professionals, researchers, and tour guides. In addition, the Garden organizes and hosts an annual 3-day winter symposium for industry professionals.

The following is a selection of the programs offered in 2022 that specifically relate to trees. While educational programming titles and descriptions vary from year to year, the following list accurately represents the spirit and quantity of the Garden's ongoing offerings of tree-focused programming.

K-12 PROGRAMMING

K-2nd – TREE TRAITS (in-person)
Journey through the forest and discover an array of plants and animals that live in this habitat. By observing the characteristic shape, color, and texture of leaves, bark, and seed pods students learn basic skills for identifying trees and discover how each part of a tree functions. Meets Standards of Learning for Virginia Public Schools 2018 science objectives K.1, K.3, K.5, K.7, K.9, 1.1, 1.4, 1.5, 2.1, 2.4, 2.5, 2.8

3rd-5th – TALLYING UP TREES (in-person)
Trees thrive in forest, wetland, desert, and urban habitats. Several factors affect the growth rate of trees including tree species, climate, and the availability of water, nutrients, and space to grow. Using basic tools, students investigate different species of trees through a variety of observations, including measuring circumference and height, calculating the average crown spread, counting tree rings, and examining tree parts. Students share their data and discuss some specific factors that affect the growth rate of trees in urban areas. Meets Standards of Learning for Virginia Public Schools 2018 science objectives: 3.1, 3.5, 3.6, 3.8, 4.1, 4.2, 4.3, 4.8, 5.1, 5.9. Meets Standards of Learning for Virginia Public Schools 2016 math objectives: 4.8, 5.10

Middle school – URBAN FORESTRY (in-person)
Trees provide countless benefits to our planet. They filter air pollutants, act as carbon sinks, absorb stormwater, prevent soil erosion, and reduce energy costs. Students will learn how trees perform these functions by collecting data about a tree's condition, size, and species. In the process, they will use tools including checklists, measuring tapes, and dichotomous keys. Students will be encouraged to use i-Tree tools, back at school, to calculate the benefits of trees in their communities. Meets Standards of Learning for Virginia Public Schools 2018 science objectives: 5.9, 6.9, ES.6, LS.4, LS.5, LS.8, LS.9

Virtual class offerings for K-12: Tree Traits, Tallying up Trees, Urban Forestry, and ID a Tree

ADULT EDUCATION

WINTER BOTANY
January 2022
Identification of deciduous trees and shrubs in the summertime is a piece of cake for most naturalists, avid gardeners, environmental professionals, or outdoor enthusiasts. But what happens in the wintertime when leaves, flowers, and fruits are no longer at our disposal? Woody plants are every bit as recognizable in winter as they are in summer. This course reveals all of the characteristics that woody plants leave behind during the winter months. Learn how to use this information to identify woody plants to the species level. The Winter Botany curriculum focuses on use of dichotomous keys and familiarizing attendees with the technical terminology surrounding identification of plants in winter. This class is presented via Zoom with lecture, virtual lab, and independent field practicum.

BONSAI - For the Love of Trees
January – February 2022
Explore the art of Bonsai with a unique opportunity to view specimen pieces from private collections including conifer, deciduous and tropical trees. The display includes yamadori (trees collected from the wild) and urbandori (trees collected from urban settings) as well as imports from fine nurseries across Asia and America. On view will be trees that have been under cultivation for more than 30 years with ages that range well over 100 years old. The exhibition includes about 25 specimens at any given time and with new selections weekly, so visit often to see the full display! The exhibit showcases the work of Todd Stewart and Bob Chilton, two leading bonsai experts from Gardens Unlimited. The pair are nationally known for their bonsai and have exhibited at venues including the U.S. National Arboretum in Washington, D.C.

HIDDEN LIFE OF TREES
February 2022
Let's walk through the garden and explore how trees interact to help each other, migrate in response to climate change, avoid extinction or reappear after having been declared extinct, as well as other stories that trees have to tell us. Enjoy all this while exploring the beauty and diversity of the trees at Lewis Ginter Botanical Garden.

WINTER BOTANY FOR BOTANICAL ILLUSTRATION
February 2022
Explore the intricacies of plant forms in winter. Morning sessions help you learn to understand the structure of cones, berries, twigs. Study and draw a diversity of plant parts under the guidance of a botanist. Afternoons are devoted to graphite illustrations of plants related to the morning's discussion. Emphasis is placed on observation, accurate representation of details, and labeling.

CREATING A BACKYARD WILDLIFE HABITAT
March 2022
Learn to incorporate native plants into your landscape through site evaluation and how to place the right plant in the right place. Specific trees, shrubs, perennials, grasses and vines are discussed, along with how each plant interacts with nature and which wildlife they would support and attract. Learn how to identify invasive species growing on your property. This class is a combination of classroom instruction and observation of native plant installations in the Garden with native plant specialist and landscape designer Beth Farmer.

SPRINGTIME IN VIRGINIA
March 2022 & April 2022
In early March, spring creeps in. Fruit trees and witch hazels bloom on bare limbs and early bulbs emerge among the leaves. By April, daffodils, tulips and bluebells color the ground while viburnum and redbuds paint the canopy above. The blazing colors of rhododendrons and azaleas fill the space between. With warming weather, peonies, iris and roses emerge. Learn what makes "A Million Blooms" possible and how the Garden changes, including the brief appearance of ephemerals. Acquire information about perennials recommended for beginning gardeners with small spaces.

SYDNOR LAKE GARDENS TOUR
Wednesday, April 20, 2022 @ 1:00 pm - 2:00 pm
Learn about the gardens adjacent to Sydnor Lake, featured plantings, and explore the diversity of each garden landscape. Walk among mature trees including a magnificent sycamore. The tour will be an easy walk around the lake including visiting lake docks to enjoy the view across the water.

INTERMEDIATE BOTANY
June 2022
This course provides an in-depth overview of the tools and techniques used by botanists to identify plants to the species level, with a strong emphasis on family characteristics. Attendees are exposed to concepts in plant classification, nomenclature, habitat, distribution, and of course, vegetative and reproductive characteristics – all of which can be used to help identify plants to the species level. Emphasis is on native or naturalized species in Virginia and the use of dichotomous keys in technical plant manuals and regional floras. An important focus of the course will be on empowering attendees to "dismantle" the seemingly endless complex of scientific terminology surrounding plant identification. Please note that this class is not being recorded due to the inclusion of copyrighted materials by other scientists.
Contact Hours: 18

BOTANY FOR BOTANICAL ILLUSTRATION
September 2022
Botanical illustrators need to be well versed in the intricacies of plant forms. Morning sessions help you learn to understand the structure of flowering plants and conifers and to study and draw a diversity of plant parts under the guidance of a botanist. Students keep an illustrated study journal. Scientific names in botanical illustration are discussed and used. Afternoons are devoted to graphite illustrations of plants related to the morning's discussion. Emphasis is placed on observation, accurate representation of details, and labeling. Prerequisite: Introduction to Drawing for Botanical Illustration.

EXPLORE CONIFERS AT THE GARDEN
October 2022 & November 2022
Venture with your Garden Guide to the Streb Conifer Garden to see the many varieties of conifers suitable for Richmond's plant hardiness zone. The walk will include other areas of the Garden to highlight the varied shapes, textures and colors of conifers and how they can be used in garden design.

WINTER SYMPOSIUM AND CVNLA SHORT COURSE
February 2022
Building Plant Diversity Builds Resilient Landscapes: Over the past 15 years, a growing body of scientific research has enabled proponents of diverse plant selections and plant communities to re-think the urban landscape in terms of true sustainability. Ongoing research has shaped the work of cutting-edge landscape professionals in creating plant communities, outlining the value of native plants, and rethinking our concepts of "garden," "landscape," and even "city." In an era of disappearing habitat and climate change, we know that we ignore to our peril the relationships between plants, insects, animals and of life on our planet. Join us virtually as we explore the burgeoning opportunities to make solid connections to ways to expand our understanding of connectivity. This is an online webinar conducted via Zoom. Zoom links will be emailed to registered participants a few days prior to the event.

INFORMAL, SELF-PACED OPPORTUNITY

TREE EXPLORER
Opened Arbor Day 2022, this self-guided tour was offered via printed map for remainder of the year and guides guests through twelve of the Garden's trees. Appendix E is the color Tree Explorer map and tour.

ii. Levels III and IV Substantial Education Program

A substantial program of education related to trees, woody plants, forest ecology, conservation, and other related topics. Provide a description of your overarching program plan including your education program strategy, number of outcome-based education programs, and explain how they are evaluated.

NA

3. REQUIRED FOR LEVEL III ONLY

Please complete if you are interested in acquiring a Level III accreditation. If you are interested in a Level IV accreditation, please skip this section and complete only the Level IV section below.

a. Collaboration

A professional capability to collaborate in some way with other arboreta or relevant organizations (e.g. public gardens, universities, local government, NGOs, student groups, etc.), preferably with evidence of existing collaboration. Examples of collaborations may include plant evaluations, research projects, *in situ* or *ex situ* conservation projects, educational programs, exhibits, public events, interpretation, collecting expeditions, plant exchanges, professional meetings, and co-authoring scientific research papers.

Provide examples of existing collaborations with other arboreta and related organizations.
Please describe your capacity to collaborate.

NA

Please indicate whether you are a member of the following professional organizations or indicate other professional societies in which you participate.

___BGCI Botanic Gardens Conservation International (**bgci.org**)
___APGA American Public Gardens Association (**publicgardens.org/why-join-association**)
___Plant Collections Network (**publicgardens.org/programs/about-plant-collections-network**)
___Other:

b. Collections Data Sharing

Sharing of plant collections data with networked collections databases, such as BGCI's PlantSearch Database (**https://www.bgci.org/resources/bgci-tools-and-resources/plantsearch-upload-instructions/**).

Describe how the arboretum shares its plant collections data with one or more networked collections databases.

NA

c. Tree Science, Planting, and Conservation

An active agenda related to tree science, forest ecology, strategic planting, or conservation. This agenda should include direct research or the facilitation of scientific activities beyond public educational activities, in which data are acquired to solve problems in tree science or tree conservation. Examples include conducting plant trials; habitat monitoring; detecting pests and diseases; hosting collections-based research projects; and conducting research in forest ecology, physiology, systematics, seed and tissue banking, horticulture and tree care. You may refer to the Global Trees Campaign addendum at the end of this application for examples of important tree conservation activities. The Global Trees Campaign (www.globaltrees.org) is the only international conservation program dedicated to saving the world's threatened tree species.

Describe the arboretum's activities related to tree science, planting, and/or conservation. Include a list of relevant references, reports, or peer-reviewed journal articles.

NA

4. REQUIRED FOR LEVEL IV

a. Collaboration

A professional capability to collaborate in some way with other arboreta or relevant organizations (e.g. public gardens, universities, local government, NGOs, student groups, etc.), preferably with evidence of existing collaboration. Examples of collaborations may include plant evaluations, research projects, *in situ* or *ex situ* conservation projects, educational programs, exhibits, public events, interpretation, collecting expeditions, plant exchanges, professional meetings, and co-authoring scientific research papers.

Provide examples of existing collaborations with other arboreta and related organizations.
Please describe your capacity to collaborate.

NA

Please indicate whether you participate in the following professional organizations or indicate other professional societies in which you are a member.

___BGCI Botanic Gardens Conservation International (**bgci.org**)
X APGA American Public Gardens Association (**publicgardens.org/why-join-association**)
___Plant Collections Network (**publicgardens.org/programs/about-plant-collections-network**)
___Other:

NA

b. Collections Data Sharing

Sharing of plant collections data with networked collections databases, such as BGCI's PlantSearch Database (**www.bgci.org/resources/bgci-tools-and-resources/plantsearch-upload-instructions/**).

Describe how the arboretum shares its plant collections data with one or more networked collections databases.

NA

c. Collections Conservation

Institutional capacity, stability, and commitment to hold and safeguard plants of collections or conservation value on behalf of the collective interests of the profession.

Confirm and describe the arboretum's capacity and readiness to hold and safeguard plants of collections or conservation value. Describe specific collections of value and interest (i.e. endangered species) and include the percentage of wild-collected accessions in your collections as applicable.

NA

d. Scientific or Conservation Staff and Capability for Collaboration

A scientific and/or conservation staff and capability to collaborate on scientific or conservation activities with other arboreta or organizations related to trees. An active agenda related to tree science, forest ecology, strategic planting, or conservation. This agenda should include direct research or the facilitation of scientific activities beyond public educational activities, in which data are acquired to solve problems in tree science or tree conservation. Examples include conducting plant trials; habitat monitoring; detecting pests and diseases; hosting collections-based research projects; and conducting scientific research in forest ecology, physiology, systematics, seed and tissue banking, horticulture or tree care.

Describe the scientific and/or conservation staff, and the arboretum's capability to collaborate on sophisticated scientific or conservation activities. Include areas of research and a list of relevant publications.

NA

e. Conservation Role in Global Trees Campaign

Specific consideration of a conservation role linked to supporting the mission of the Global Trees Campaign (GTC, **globaltrees.org**). Administered by Botanic Gardens Conservation International (BGCI) and Fauna & Flora International (FFI), The Global Trees Campaign (www.globaltrees.org) is the only international conservation program dedicated to saving the world's threatened tree species. Visit the GTC website to see learn more about their mission and the types of projects they support.

To satisfy Level IV accreditation requirements, please complete the attached **Global Trees Campaign Addendum** at the end of this application in addition to filling out the written narrative here.

Describe how the arboretum is or intends to engage in conservation efforts related to the Global Trees Campaign and highlight your key programs or initiatives that aim to support in situ conservation of globally threatened tree species. Please list the species you are working with and explicitly state how your efforts contribute to the in situ *conservation outcome for that species.*

NA

f. Other Scientific or Conservation Collaboration

Please provide other information related to science and conservation activities that you would like to share.

Provide additional examples of the arboretum's existing collaborative scientific or conservation activities related to trees (i.e. habitat management) and identify any opportunities for future collaboration.

NA

Optional Accreditation Comments or Explanations:

NA

GLOBAL TREES CAMPAIGN ADDENDUM (REQUIRED FOR LEVEL IV ACCREDITATION):

The following list includes activities that support the mission of the Global Trees Campaign (www.globaltrees.org). Please check all activities that your arboretum participates in and then provide a brief description of those checked activities in section 4 e:

NA

BGCI BOTANIC GARDEN ACCREDITATION CONSERVATION ADDENDUM

(Required for **Level III *and* Level IV** applicants wishing to be considered for BGCI Botanic Garden Accreditation):

In order to achieve BGCI Botanic Garden Accreditation, your institute must have a minimum of three of the following activities focused on plant conservation.

Please check all activities that your arboretum participates in and then provide a brief description of those checked activities and evidence for these activities below.

Examples of plant conservation activities can be found at: https://www.bgci.org/resources/bgci-tools-and-resources/accreditation-examples-ex-situ-conservation-activities/

NA

BGCI Botanic Garden Accreditation Sustainability addendum

(Required for **Level III *and* Level IV** applicants wishing to be considered for BGCI Botanic Garden Accreditation):

In order to achieve BGCI Botanic Garden Accreditation, your institute must have a minimum of two of the following activities focused on sustainability or ethical activities.

Please check all activities that your arboretum participates in and then provide a brief description of those checked activities and evidence for these activities below.

Examples of sustainability or ethical activities can be found at: https://www.bgci.org/resources/bgci-tools-and-resources/accreditation-examples-sustainability-and-ethical-activities/

NA

SUBMIT APPLICATION

Please attach at least two photos of your arboretum (high resolution JPEG format in landscape orientation) with your application for use in the accreditation press release and on the ArbNet website.

For more information regarding specific accreditation requirements:

Visit: arbnet.org/accreditation

Call: 630-310-7013

Email: arbnet@mortonarb.org

Please submit your completed application via email:

Email: arbnet@mortonarb.org

Data Information:

In compliance with the 2018 EU "General Data Protection Regulations", ArbNet has to ensure that EU residents agree to ArbNet using your information provided for processing and evaluating your accreditation application. By instructing us to process your application, your data will be transferred outside of the European Economic Area to the United States, kept secure, and will not be shared with a third party. You have the right to revoke your consent at any time by contacting us at arbnet@mortonarb.org. If you chose to be reviewed for our reciprocal accreditation program with BGCI (BGCI Botanic Garden Accreditation), ArbNet will share your information with BGCI.

The uses of your information, dependent on the success of your accreditation application, are as follows:

If you are a successful applicant, any personal and institutional data you have provided will be kept by ArbNet for five years, the length of the accreditation period, so that we can contact you in relation to the set up and administration of your accreditation, to provide information useful to maintain and/or upgrade your accreditation (e.g., new resources, opportunities, etc.), and to provide information on the accreditation renewal process as you approach the five year limit of your accreditation. ArbNet will use the institutional data provided in your application to create a website listing in the Morton Register, and potentially to promote your institution on our website, in our newsletter, and through our social media channels.

If you are an unsuccessful applicant, the personal and institutional information you have provided will be kept by ArbNet for five years, so that we can contact you to help you achieve accreditation at a future date.

Data Consent:

X I want to be added to ArbNet's mailing list for quarterly newsletters and occasional informational updates.

____ ArbNet may use the institutional information (not personal data) I provide for populating external datasets for the purpose of research on institutional capacities, networking, and strengthening the garden and arboretum community (e.g., BGCI GardenSearch)