Botanical Garden of Bogota Jose Celestino Mutis
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For over 66 years we have been working for the biodiversity and to maintain a green, healthy and friendly Bogotá for all of us who live in the city.

We have developed a portfolio in which participants can improve their connection with nature and life, as well as improve their mental, emotional and physical health.

We have a team of professionals with the best technical and human qualities for visitors to live a unique and memorable experience.
20 HECTARES
193 BOTANICAL FAMILIES
829 GENRES
1,518 VEGETAL SPECIES
52,727 VEGETABLE INDIVIDUALS

- Fems garden
- Information gathered until
Tropicarium
(Greenhouses Circuit)

Thematic classification of the halls

Super paramo ecosystem: collection of plants from altitudinal ranges between 4,000 - 4,500 m.a.s.l, with a predominance of non-vascular plants, asteraceae and rosaceae.

Tropical rainforest: Amazon and Choco biogeographic collections.

Tropical dry forest: the flora of the most threatened ecosystem in Colombia are represented.

Useful plants: use categories such as medicinal, food, fiber, sacred and magical are represented.

Specialized collections for conservation: plants in some category of threat, of habits terrestrial and epiphytes.
We will travel through different parts of Colombia, from the super paramo, ecosystem in the highest part of our mountains where the rivers that run through the territory are born, to the tropical rainforests which are among the most biodiverse places in the world. We will travel through Andean valleys of Cauca and Magdalena river, until we reach the upper Guajira to learn about the biodiversity of the threatened tropical dry forest.

We will enter into an environment where the close relationship established by human beings with plants to obtain food, medicines and to develop fabrics and constructions is evident. We will finish the tour in a space where we can learn about some plants that are in danger of extinction and are researched, conserved and propagated at the Botanical Garden.

For children and youth audiences it includes the assistance of an environmental educator for groups of 20 people maximum. Playful people and activities before and after the tour through the different environments.

For national and international guests guidance of an environmental educator, for groups of 20 people maximum. Guidance is available upon request (English or French).

The entrance fee to the Tropicarium will be applied in accordance to the current fee.
Environmental experiences

Tours through the living collections and environments of the Botanical Garden. In this activity there are spaces for meditation on the importance of the conservation processes and knowledge of biodiversity, the relationships that people establish with nature, the ecological footprint and the way in which we can mitigate some environmental issues.

It is the perfect combination to enjoy the space of the living collections and experience practical activities with a variety of topics, oriented to different types of audiences, such as: childhood, teenagers, senior citizen, ethnic communities, people with disabilities, family groups, tourists, corporate groups, among others.

In our educational services offer, we have around one hundred green practices on different topics, both virtual and on-site.

To learn more about our activities for groups and in order to guarantee attention, it is recommended to make a previous booking by email: reservavisitas@jbb.gov.co
Green practices

These activities have an approximate duration of two hours (120 minutes) and an additional cost to the Botanical Garden fee according to the current fee's rate.

Bugs for tods

You will learn about the strong relationship between bugs and plants.

What do you see now?

You will recognize the morphology of the plants, especially the flowers which decorate the garden with their beauty.

Colors and feathers

Birds and their relationship with plants are the main characters in this experience, where you will also recognize some of the species that live in the garden.

Flowers Friends

Pollinators in the city are very important and with this activity you will learn about some of them.
Plants dance to hum along to its tune

An invitation to connect with the nature, different sounds and Colombian music.

Sounds of darkness

The beauty of the Garden is not only appreciated in the daylight but is also recognized by the sounds and dynamics of the night, when the nocturnal diversity is adorned with surprising aromas.

Plants sap

It is the perfect opportunity to approach poetry and literature from the aromas and colors of plants.

Sensory world

Exploration of nature through the senses, texture perception and smells. Activity for people with some type of disability.

Natural plant spa

Experience in which you can exalt the textures, smells and flavors of different plants.

- Previous registration.
Activities for children and young people

We promote knowledge, care and exploring nature in children and young people through entertaining and fun activities with a high educative content.

Science Club

Educational program aimed to children between the ages of 5 to 12, which promotes exploring nature, the development of scientific and social skills, and the use of scientific language and conceptual changes to promote biodiversity conservation.

- Duration: 10 sessions of three and a half hours each.
- Laboratory materials included.

Scientific vacations

Fun space to promote active learning of science in a natural environment, encouraging the development of scientific skills and aptitudes oriented to the knowledge, appreciation and care of the natural resources and biodiversity.

- Full season (10 sessions)
- Half season (5 sessions)
- Duration: 10 sessions of three and a half hours each

Little travelers' tent

Special tent where activities are offered for children between the ages of 4 and 8, on topics related to the biodiversity during some weekends.

- Duration: 2 hours (120 minutes)

To learn more about our activities and in order to provide the best service, it is recommended to make a pre-booking by email: clubciencias@jbb.gov.co
Birds of the Botanical Garden

*Colombia is considered the country with the largest variety of birds in the world.*

The Botanical Garden is an ideal place for bird watching because of its vegetation cover. Join us to enjoy the morning sing of many species with the guidance of specialized educators on the third Saturday of each month.

- Services: binoculars rental, birds guide of the Garden.
  Activity from 6 a.m. to 9 a.m.
- Additional cost to the entrance fee of the Botanical Garden. (According to the current fee)

In order to guarantee service to any of our environmental experiences, it is recommended to make a reservation it is recommended to make a pre-booking by email: reservavisitas@jbb.gov.co

- Paramo viewpoint
Academic spaces

We offer courses, seminars, symposiums, talks and expositions as a strategy for the ownership of academic and community knowledge related to the protection of native high Andean flora and fauna as well as the conservation and environmental sustainability of the territory.

research week (presence based modality or virtual mode)

Annual meeting of researchers from the José Celestino Botanical Garden for the exchange of knowledge about research processes.

specialized training courses (presence-based modality) Theory and practical non-formal education courses

- Essential oil extraction from plants origin of high Andean and paramo ecosystems.
- Process of natural products using native species.
- Cultivation in vitro of native species.
- Seed bank management.
- Traditional propagation of native species.

Academic research consultancies

Consulting and supervision in academic practices, internships and development of undergraduate and graduate student theses through the Thomas van der Hammen Research Stimulus Program of the José Celestino Mutis Botanical Garden, among other modalities of academic linkage.

Basic courses (presence-based modality) Theory and practical non-formal education courses

Basic botanical concepts of the following topics will be presented:

- Botany for non-botanists
- Getting to know biodiversity
- Urban vegetation covers
- The beauty of pollinators
- Nature interpretation

Our goal is to introduce basic concepts, management and extraction techniques, applications and plants uses, in order to increase the knowledge on topics related to the conservation of the high Andean flora.
Cultural and academic agenda

We have a monthly schedule with themes dedicated to promote knowledge, protection, care and conservation.

Our agenda is composed of virtual or presence-based modality of cultural and academic spaces, related to literature, visual, plastic and performing arts, music, cooking and wellness, aimed at all audiences.

Spaces

![Visual arts](image1)

![Plastic arts](image2)

![Performing arts](image3)

![Literature](image4)

![Music](image5)

![Gastronomy](image6)
Monthly / annual activities

Garden at night

On the last Friday of every month the Botanical Garden opens its doors from 5:30 pm to 8:30 pm with guided tours, cultural and academic activities. Free entrance without previous subscription.

Art exhibitions

Temporary exhibitions of contemporary art are presented in unusual spaces and in the living collections. These are related to nature, flora and environmental news.

Botanical exhibitions

Temporary events to make known the richness and diversity of the flora, through exhibitions of living collections from different botanical families.
We promote the reconnection of the individual with his/her natural environment.

We generate experiences that promote body and mind care through sensory immersions which provides great benefits for health and wellness, for good living and happiness.

Over the course of three and a half hours, a series of activities will be developed (each lasting 40 minutes), which in connection with nature will contribute to mental and physical wellness.
Eco-Yoga

This practice teaches us that we can see nature as a scenario and a tool to generate wellness, seeking a real and genuine connection with Mother Earth, in order to establish a symbiotic relationship of respect and care between human beings and the environment.

Therapeutic painting

This activity allows us to get to know and love the world again through our personal experience, reduces high levels of stress and releases pressures and feelings that the individual has in his/her subconscious.

Stretching in natural spaces

Studies have shown that during the first five minutes of outdoor exercise, there is an impact on people’s self-esteem and state of mind. This activity reduces muscle and joint pain as well as improves posture, stimulate body awareness and improve body mobility.
Green up your spirit circuit of activities

Provide a wellness space through a set of experiences such as: stretching, music therapy, eco-yoga and therapeutic painting, in interaction with nature, improving their mental and physical health.

Forest of sensations

A mindful immersion in nature based on a circuit of activities that do not require a significant physical effort, but on the opposite, it should be done in a slow, intense, conscious and free way. These activities enable the participant to enter into an experience of smells, textures, colors and sensations.

It has been proven that stimulating the senses in natural spaces helps to reduce the levels of anxiety and alertness that generates chronic stress. At the same time, it promotes adaptation to the place where we find ourselves and motivates us to enjoy more the here and now when we are open to whatever our senses are telling us. In this way, mental fatigue is reduced, producing a state of wellness and harmony.

- Duration: one hour (60 minutes).
- Additional cost to the entrance fee to the Botanical Garden, according to current regulations.
- It is suggested to wear comfortable clothes and shoes, turn off cell phones and not have anything in your hands.
Healthy, active and happy

This activity seeks to evaluate the ownership and strengthening of interpersonal relationships and knowledge about natural landscapes among children from the ages of 5 to 7 and their families through activities such as AcroYoga, therapeutic painting and forest of sensations.

Forest therapy

It is an important practice of wellness developed by a growing number of people around the world.

Created by intuition, but now supported by a significant amount of scientific studies that verify its positive effects on both physical and mental health, Shirin-Yoku, or forest baths, is a space in which participants are immersed in the forest environment through a sequence of invitations that lead to slow pace and stimulate the senses, experiencing nature in a sensory way.

The sessions are offered by certified guides by the Association of Nature and Forest Therapy -ANFT.

- Duration: one hour (60 minutes).
- Additional cost to the entrance fee to the Botanical Garden, according to current regulation.
- It is suggested to wear comfortable clothes and shoes, turn off cell phones and not have anything in your hands.
Virtual platforms

Information System for Urban Tree Management (SIGAU)

www.jbb.gov.co

It contains the official information of the trees located in the urban public space of the city, in alphanumerical and geographic databases. This system allows the user to know the characteristics and location of the trees, as well as to make individual requests and obtain indicators from the databases.

Arborimeter

www.jbb.gov.co

Count of trees that have been planted during the implementation of the current district development plan.

Bogota is my vegetable garden

www.bogotamihuerta.jbb.gov.co

First virtual platform for co-creation of agroecological urban farmers in the country.

Bogota is a benchmark in Latin America for urban agriculture, thanks to more than 20 thousand gardeners, the nearly 4 thousand gardens that exist in the city, the construction of a pioneering public policy in the region and the implementation of the district program for urban and peri-urban agriculture "Bogota is my vegetable garden". The first public platform for content co-creation that contributes to the characterization, visibility and systematization of successful experiences and lessons learned from the benefit of life quality, food security in the capital city and climate change mitigation. José Celestino Mutis is the promoter and facilitator of this new meeting point for the exchange of experiences, expectations and projects of gardeners.
Herbarium

[www herbario.jbb.gov.co]

It allows visualization of the botanical collections made within the context of floristic inventory processes carried out in the Bogota region.

Bogota's flora

[www florabog.jbb.gov.co]

It compiles the current list of plants in Bogota as a contribution to the knowledge of its floral diversity.

Bogota biotic interactions network

[www jbb.gov.co/redbiotica]

It contains a graphic description of the interactions that occur between the different organisms, both animal and plant, present in the District's ecosystems, with emphasis on the urban area, where human beings have a great influence on these interactions.

Common names of Bogota

[www nombrescomunes.jbb.gov.co]

It enriches the information of the plants present in the region, including local knowledge and using the common name as a bond between the scientific knowledge and the citizen’s knowledge about the plants that grow around them.

Pérez Arbelaezia institutional magazine

[www perezarbelaezia.jbb.gov.co]

Scientific platform of the scientific journal Pérez-Arbelaezia, an open access scientific publication of the Botanical Garden of Bogota, where editions published since 1985 are available, as well as recent editions with research on high Andean and páramo ecosystems.

With these resources the Botanical Garden is seeking to contribute to the open science and continue involving citizens in the implementation of actions for the conservation of biodiversity in the Bogota Region.
Publications

Vegetal covers of the city of Bogota

1. Manual of the vegetal covers of Bogota

Authors: Botanical Garden of Bogota: Jose Celestino Mutis, Dario Alvarez Lucero, Claudia Marcela Serrano Carranza, Robinson Duque Osorio, Diana Marcela Guzmán Lugo, Laura Carvajal Guacaneme, Sara Maria Arteaga Morales. Andes University: Juan Pablo Rodríguez Sánchez, Santiago Madríní Restrepo, Camila González Rosas, Manuela Guzmán Ramírez, Martha Emiliana Cárdenes Toquica, Yam Melissa Pineda Torres, Carlos Vicente Rey Guerra, Daniel Felipe Bautista Carrizosa, Johan Manuel Calderón Rodríguez.

This publication is the result of an investigation developed by the José Celestino Mutis Botanical Garden and the Universidad de Los Andes. Based on the urban climate zones, it defines design guidelines for the establishment of green cover and presents a portfolio of species appropriate for different areas of the city.

Agriculture in the city-region

1. Basic steps to set up and manage your vegetable garden. A practical guide for urban growers

Authors: Edgar Germán Herrera Guzmán and Edgar Hernán Lara García.

This book describes agroecological practices for the establishment of vegetable gardens in the city with plant species diversity, the program provides information on plant propagation for the vegetable garden, species compatibility, soil fertility management, phytosanitary, harvesting and post-harvesting.


Authors: Álvaro Acevedo, Julio Carrizosa, Stefan Ortiz, Neidy Clavijo, Arturo Escobar, Tomás León, Orlando Vargas, Brígida Valderrama, Ricardo de la Pava, Patricia Noguera, Hernando Arenas and others.

In the articles included in this edition of Flora Capital, the reader will find reflections about Agroecology in Bogota, with the purpose of providing tools for its understanding and use as an indispensable practice in the production of food in the city.
3. Agroecological portraits of vegetable gardens and gardens in the Curubital River micro-watershed.

Authors: Stefan Ortiz, Ricardo de la Pava, Renán García and Ana Elvira Cortés

The book presents the most representative plants of some vegetable gardens located in rural areas of the Usme administrative district, highlighting the main functions that the plants have in the gardens, their relationships with other plants and the uses given to them by the people in the study area.

Flora from the Botanical Garden José Celestino Mutis

1. Genera guide of angiosperms and gymnosperms from the Botanical Garden of Bogota

Authors: Andrés Orejuela, Fabio Avila, Mauricio Bernal, Diego Cabrera, Marcela Celis, Francisco Fajardo, Liliana Martínez, Jose Muñoz, Sandra Obando, Miriam Reina, Janice Valencia and Carlos Alberto Vargas.

This work describes 200 genres of plants that are present in the living collections of the Botanical Garden José Celestino Mutis, including genres native from the Bogotá area, other genres which are common in gardens and green areas of the city, mostly of exotic origin, as well as some genres of plants that are important for ex situ conservation, as they contain species at risk of extinction.

2. Orchids from the José Celestino Mutis Botanical Garden

Author: Janice Valencia-D.
Photography: John Bernal and Janice Valencia-D.

This book presents beautiful photographs of the most representative orchid species of the collection that grows in the greenhouses of the José Celestino Mutis Botanical Garden. The reader will also learn about the morphology, nutrition, natural habitat, pollination, traditional cultivation system, in vitro propagation and conservation of orchids.

3. Aquatic plants guide of the Wetlands Garden

Authors: Myriam Liliana Martínez Peña and Vilma Isabel Jaimes Sanchez

This guide is oriented to make visible the living collection of aquatic plants in the Botanical Garden of Bogota, which includes plants representative of the capital’s wetlands. The book presents information about distribution, origin, its importance as a habitat for the avifauna of wetland ecosystems, propagation, ornamental potential and other uses.

4. Cryptogams from the José Celestino Mutis Botanical Garden: mosses, ferns and similar plants.

Authors: Guillermo Santos Ceballos and René Armando Alfonso Moreno.

An illustrated guide of families and ferns genres, mosses and other similar plants represented in the Cryptogams collection of the Botanical Garden of Bogota, with information about the areas and substrates in which the species have been collected in the Garden.
Paramos and high Andean forests of the Bogota Savanna

1. The surrounding paramos of the Bogota Savanna

Author: Ernest Guhl Nimtz

This book presents a very complete study about the Paramos of the Bogota Savanna, including aspects like geology, climate, soil, vegetation and residents of these ecosystems, developed by Professor Guhl and published for the first time in 1982. This commemorative edition also includes complementary studies from other authors on the future of the water in Bogota, the sociopolitical context of Sumapaz and the transformations of the landscape.

2. The plants of my region

Autores: Mónica Pineda, Mauricio Gutiérrez y Aura Ximena García

In this book the reader will find general basics of botany and plant taxonomy, as well as beautiful illustrations and information about uses, distribution and habitat of plants present in the rural areas of the Administrative Districts of Chapinero and Santa Fe.

Reflections about nature

1. Complex Colombia

Author: Julio Carrizosa Umana

This book, published by the José Celestino Mutis Botanical Garden and the Alexander von Humboldt Biological Research Institute, shows imaginaries of the country, its people, physical geography, territorial environmental systems and provides elements to recognize what makes Colombia a different country.

2. Culture and Nature


This book compiles articles by different authors in which they present a look at environmental topics from different disciplines, developing aspects such as different views of nature in anthropology, political ecology, concepts of nature in Latin America, territoriality, multiculturalism, “good living” and “living well”, among other topics.

3. Nature Rights and environmental policies

Autor: Eduardo Gudynas

The central topic of the book is nature as a rights subject and it is intended to contribute to the political, ethical and philosophical theories of environmental studies, through the analysis of current environmental crises and their impact on local, regional and global contexts.
Since 2004, the Botanical Garden of Bogota, as a center for research and scientific development, has become the entity that leads the technical assistance and training in urban agriculture, taking advantage of the potential in research on environmentally sustainable practices, particularly on topics related to flora conservation and the nutritional and medicinal potential of some high Andean ecosystem species, giving value to traditional and the ancestral traditional practices and the technical and scientific knowledge.

For more information about our program go to www.bogotamihuerta.jbb.gov.co/
"Authentic experiences in urban agriculture"

An agroecological route is an interactive circuit where Bogotá’s urban and peri-urban vegetable gardens are connected to each other.

It is complemented by activities based on environmental education and agriculture as the main axis of a new scenario of human-nature relationship.

Each agroecological tour has a different thematic, with a variety of practices, styles, life stories and workshops.

In addition to this, we find native and free seeds, vegetables, fruits, aromatic herbs available and more products that we can sow, plant, harvest and enjoy in our city.

**Routes**

- Suba’s administrative district Sun and Water Tour
- Historical city center: Back to the land.
More trees and better public space

Vegetal covers

In addition to our responsibility in the management of the city’s vegetation cover, we provide specialized consultancy on topics related to arborization and gardening.

Gardening

- Consultancy for the implementation and maintenance of gardens.

Arborization

- Technical consultancy and assistance in tree planting designs in institutional or private spaces.
Specialized services

Herbarium

**Drying of botanical samples**
Drying process of botanical, biomass or wood samples in an electric oven at 70 ºC.

**Botanical setup of vascular plants**
Fixation of botanical samples in 3.20 g. coated paper for herbarium storage.

**Taxonomic determination of botanical samples**
Taxonomic identification of botanical samples of vascular and non-vascular plants, which will depend on the quality and quantity of samples delivered to the Herbarium. These must be supported by a Collections License.

To learn more about our services you can contact us by e-mail at herbario@jbb.gov.co
Other services

Rental of spaces

The garden, being a space dedicated to the research and conservation of plants, has some restrictions and recommendations for the use of its spaces.

Events center

- Total area: 295.2 m²
- Room 1: 50.2 m² - Room 2: 51.3 m² - Room 3: 52.3 m²
- Room 4: 50.3 m² - Area of the hall 91.1 m²

A modern auditorium for academic events, meetings and conferences.
There are 4 multiple rooms for 40 people each, audiovisual equipment and total capacity as a single room for 160 people.
The area is composed of beautiful gardens that expose the different varieties of roses and generate a sense of labyrinth with aromas and colors for the visitor’s delight.

Precious gardens with foreign botanical species with attractive blooms are an invitation to walk through the space and stimulate the senses.
Subxerophytic

Total area: 383 m² of a meadow area

Representation of non-forested ecosystems with adaptive characteristics to dry environmental conditions. It has trails of thorny, succulent and shrub species and a small central lake.

Classroom for environmental science

Total area: 65 m²

Beautiful ecological construction of guadua located in the middle of the main lake, surrounded by lush aquatic vegetation and the wetland garden.
Herbal Dome

Glass construction, decorated inside with chonta wood and surrounded by the collection of medicinal plants and hard floor paths.

Colombian pine collection

Next to the maloca and surrounded by collections of ferns and forests, this place is an open space ideal for outdoor activities. To rent our spaces, please contact us by e-mail: reservaespacios@jbb.gov.co
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#ConéctateConLaNaturaleza