

# TRAINING

IPA offers a **Postgraduate Program in Plant Biodiversity and Environment (BVMA)** aiming at preparing professionals with master's and PhD degrees. The **improvement courses** promote continued training in environmental conservation and preservation.

IPA houses **museums, libraries, map libraries, and archival and iconographic collections** - São Paulo's scientific heritage.

The **publications of IPA** consolidate scientific and technological knowledge in Botany, Geosciences, Forestry Sciences, and Biodiversity.



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Secretaria de  
Meio Ambiente,  
Infraestrutura  
e Logística



**SÃO PAULO**  
GOVERNO DO ESTADO



**IPA**  
**INSTITUTO DE**  
**PESQUISAS AMBIENTAIS**



**Multidisciplinary teams** - Teams of Experts in several fields of environmental research.

**Important research in development** - Relevant research in conservation and management of natural ecosystems in the State of São Paulo.

**Herbaria (SP; SPSF), Xylarium, Litoteca, Palynothea, Seed Bank and Laboratories.**

**In situ and ex situ scientific collections** - Historical arboreta, botanical collection trails, planted forests with native and exotic species, active germplasm banks (BAG) of native and exotic tree species and Culture Collection of Algae and Fungi.

**Museums and scientific libraries** - Three museums and three libraries with collections of historical, scientific, and artistic value.

# ENVIRONMENTAL RESEARCH INSTITUTE

The IPA - Instituto de Pesquisas Ambientais (Environmental Research Institute) was created by the government of the State of São Paulo in June 2021 through the union of three centennial Institutes- former Botany, Forestry, and Geological Institutes.

Our mission is **to develop research projects in the fields of Biodiversity, Botany, Forestry, and Geoscience Science to improve Technology and Innovation and subsidize public environmental policies in the State of São Paulo.**

The actions implemented by IPA aimed at meeting the demands of society and supporting the Secretariat of Environment, Infrastructure, and Logistics of São Paulo State - SEMIL in driving sustainable development of the State.

The research units are located in Vila Mariana, Jardim Botânico, and Horto Florestal, as well as in various Conservation Units throughout São Paulo State.

The IPA supports global policies at the local level, such as the 2030 Sustainable Development Agenda, the Paris Agreement, the New Urban Agenda, and the Sendai Framework for Disaster Risk Reduction.



# RESEARCH

The Research Center is organized in the following Nuclei:

- **biodiversity conservation;**
- **ecological restoration and recovery of degraded areas;**
- **sustainable use of natural resources;**
- **geosciences, risk management, and environmental monitoring.**

Research is conducted to restore degraded natural environments in the Cerrado and Atlantic Forest; to assess the impact of climate change on the environment; to gather information for the creation of Conservation Units and support for their Management Plans; to map risks in areas susceptible to geological disasters such as floods, landslides, and erosion.

The State Forest System (SIEFLOR) relies on scientific knowledge to protect endangered species, map and manage risks in geologically vulnerable areas, establish new protected areas, manage conservation units, and sustainably produce forestry products.

The scientific infrastructure - including laboratories and collections for biology, geology, and paleontology - supports research.



# TECNOLOGICAL INNOVATION

IPA is responsible for implementing **the technological innovation policies** of the Secretariat of Environment, Infrastructure, and Logistics of São Paulo State - SEMIL, in Biodiversity, Botany, Geosciences, and Forestry sciences.

The Technological Innovation Center – NIT partners with companies and provides technical services and solutions that benefit society and the environment.

IPA aligns with government policies and legal frameworks for innovation. In this way, IPA can effectively support and encourage activities that involve research, development, and technological innovation. Scholarships are granted to researchers, technicians, and graduate and postgraduate students to motivate and promote innovation.

