



Projects Around the World

Missouri Botanical Garden botanists have visited nearly 100 countries in recent years. The following are active research programs maintained by the Garden around the globe.



Appalachia/Ozarks

Program leader: Kate Farley

Type of work: Non-timber forest products, community conservation, and ethnobotany.

Arkansas

Program leader: Matthew Albrecht and Christy Edwards

Type of work: Species recovery, rare plant conservation, conservation and population genetics, reintroduction and population restoration, ex situ conservation, and seed science.

Bhutan

Program leader: Robbie Hart

Type of work: Plant responses and human adaptations to climate change.

Bolivia

Program leaders: Sebastián Tello, Alfredo Fuentes and Leslie Cayola

Type of work: Botanical exploration and ecological studies in the Madidi National Park, climate change and forest recovery research in montane forests, and student training and reciprocal capacity building.

China

Program leader: Robbie Hart and Libing Zhang

Type of work: Plant responses and human adaptations to climate change. Biodiversity of cave ferns.

Colombia

Program leaders: Rosa Ortiz, Tom Croat, Mónica Carlsen, Iván Jiménez, Laura Toro, Julian Aguirre, and Charlotte Taylor

Type of work: Research on plant biodiversity, botanical inventory, restoration and conservation research in Páramos, dry forests and other ecosystems, and participatory action research.

Costa Rica

Program leader: Michael Grayum

Type of work: Updating flora Costa Rica.

Ecuador

Program leaders: Carmen Ulloa and Sebastián Tello

Type of work: Studies of plant diversity of high elevation Páramos, restoration research of montane habitats, and plant species conservation through collaboration.

Florida

Program leader: Christy Edwards

Type of work: Conservation and population genetics of rare plants

Gabon

Program leaders: Tariq Stévant and Ehoarn Bidault

Type of work: Botanical inventory, conservation assessments, spatial conservation prioritization, and vegetation studies.

Guinea & Liberia

Program leader: Ehoarn Bidault

Type of work: Botanical inventory, vegetation studies, species and ecosystems conservation assessments, spatial conservation prioritization, and capacity building.

Ireland

Program leader: Peter Wyse Jackson

Type of work: Flora Ireland and ethnobotany

Kentucky

Program leader: Matthew Albrecht and Christy Edwards

Type of work: Species recovery, rare plant conservation, conservation and population genetics, reintroduction and population restoration, ex situ conservation, and seed science.

Madagascar (Protected Area Management)

Program leaders:

Armand Randrianasolo, Chris Birkinshaw, Christian Camara, Fidy Ratovoson, Jeannie Raharimampionona, Pete Lowry, Peter Phillipson, Richard Randrianaivo, and Sylvie Andriambololona

Type of work: Botanical inventory, rare species conservation, sustainable management of natural resources, restoration, restoration, and capacity building.

Mesoamerica

Program leader: Carmen Ulloa, Fred Barrie, Mike Grayum, and Amy Pool

Type of work: Cataloging the flora of Mesoamerica, which covers the five southern most states of Mexico to Panama.

Mississippi

Program leader: Peter Matthew Albrecht

Type of work: Species recovery, rare plant conservation, conservation and population genetics, reintroduction and population restoration, ex situ conservation, and seed science.

Missouri

Program leader: Matthew Albrecht, Christy Edwards, and John Atwood

Type of work: Species recovery, rare plant conservation, conservation and population genetics, reintroduction and population restoration, ex situ conservation, and seed science. Floristics and conservation of Missouri bryophytes

Missouri—Shaw Nature Reserve (Protected Management Area)

Program leader: Matthew Albrecht

Type of work: Restoration ecology of oak woodlands and grasslands

Nepal

Program leader: Robbie Hart

Type of work: Plant responses and human adaptations to climate change.

Nicaragua

Program leader: Doug Stevens

Type of work: Updating Flora Nicaragua

North America

Program leader: Aaron Floden, John Atwood, and John Brinda

Type of work: Updating Flora North America Missouri. North American bryophyte floristics, taxonomy, and conservation.

Peru

Program leaders: Rodolfo Vásquez, Rocío Rojas, Luís Valenzuela and Rosa Ortiz

Type of work: Botanical inventory and integrated conservation work in central Peru, studies on the biodiversity of timber trees, orchids, gernerriads, menispermaceae and other plant families.

Philippines

Program leader: John Brinda

Type of work: Bryophyte flora of the Philippines

Tanzania, Kenya, Uganda, and adjoining countries

Program leader: Roy Gereau

Type of work: Botanical inventory, new species discovery and description, conservation assessment, conservation planning and management.

Tennessee

Program leader: Matthew Albrecht

Type of work: Species recovery, rare plant conservation, conservation and population genetics, reintroduction and population restoration, ex situ conservation, and seed science.

Texas

Program leader: Christy Edwards

Type of work: Conservation and population genetics of rare plants

The Andes

Program leader: Sebastián Tello

Type of work: Collaborations across countries of the Andean region to monitor the dynamics and diversity of forest.

Vietnam

Program leader: Carmen Puglisi

Type of work: Biodiversity and conservation of Vietnamese plants