

VIII
Ecuador 2025
**SCIENTIFIC CONFERENCE ON
ANDEAN ORCHIDS**

OCTOBER 21

9H00- 12H00

JUDGING OF THE ORCHID EXHIBITION
American Orchid Society Judges

16H30 - 17H30

**OPENING CEREMONY OF THE
VIII SCIENTIFIC CONFERENCE ON ANDEAN ORCHIDS**

17H30-18H00

**AWARDS CEREMONY AND OPENING
OF THE ORCHID EXHIBITION**

20H00

OPENING DINNER

VIII
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OCTOBER 22

9H00- 9H20

WELCOME **José Portilla**, organization committee president

09H20- 10H00



Emerson R. Pansarin

The natural history of Neotropical *Vanilla* and its implication for selection of favorable genotypes for vanilla production
University of São Paulo, Laboratory of Molecular Biology – Systematics of Plants

10H00- 10H40



Melissa McCormick

Drivers of orchid distribution and rarity, an example from the Republic of Palau
Smithsonian Environmental Research Center

10H40- 11H00

COFEE BREAK

11H00- 11H40



María Isabel Mujica

Conservation of chilean orchids: using ecological knowledge and citizen science
Jardín Botánico de la Universidad Austral de Chile.

11H40- 12H00



Adrián Torres Yáñez

Somatic Embryogenesis of *Dracula vampira*, an Alternative for Its Propagation
Orquiplanet

12H00- 12H20



Miguel Orellana

Asymbiotic in vitro culture of six understudied native orchid species from Ecuador
Universidad San Francisco de Quito

12H20- 13H00



Edicson Parra-Sanchez

Orchids in the Anthropocene: Anthropogenic Drivers Shaping Today's Orchid Diversity.
Department of Plant Sciences, University of Cambridge

13H00- 14H00

LUNCH

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OCTOBER 22

14H00- 14H20



Ramón Alexis Calderón-Álvarez

Orchid-Phorophyte Interactions in Highly Transformed Landscapes in the Colombian Andean-Amazon Transition.
Facultad de Ciencias Básicas, Universidad de la Amazonia

14H20- 15H00



Juan Pablo Suárez

Diversity of Mycorrhizal Fungi Associated with Tropical Epiphytic Orchids in Ecuador
Ecología y Evolución de Sistemas Microbianos, UTPL

15H00- 15H20



Heiko Hentrich

Legwork for pollination: orchid bees and the half-closed flowers of *Paphinia subclausa* R.L.Dressler (Stanhopeinae)
Department of Molecular Cell Biology, Karlsruhe Institute of Technology

15H20- 15H40



Andres Ernesto Ramos Roldán

Diversity and Evolution of Bioadhesives in Orchidaceae:
A Physicochemical Approach to Viscidium Functionality
Orchidarc Registered Charity

15H40- 16H00

COFEE BREAK

16H00- 16H40



Günter Gerlach

Coeliopsidinae, a Neotropical subtribe with a perfume syndrome
Botanischer Garten München-Nymphenburg

16H40- 17H00



Monika M. Lipińska

It takes two to tango... but does it really? Introducing the ORCHIDBIOM project
University of Gdańsk

17H00- 17H20



Frank Cervera

The Unique Ecology of the Non-Andean Species of *Phragmipedium* and the impact on conservation
Biology, Independent

17H20- 17H40



Antonio Miranda

Catasetum dupliciscutula Senghas (1991): A Bolivian Jewel of the Genus *Catasetum*
Exposición Internacional de Orquídeas de Bolivia

19H00- 20H00

PRESENTATION ANDRETTANA JOURNAL VOL. 1 NO 4

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OCTOBER 23

9H00- 9H40



James Keach

The Orchid Pod: Podcasting as an educational tool for orchid outreach

Department of Tropical Plant & Soil Sciences, University of Hawai'i

9H40-10H00



Deborah Boersma

Sobralias The Exotic Ephemerals of Central and South America
American Orchid Society, Great Lakes Judging Center

10H00- 10H40



Daniel Piedrahíta

Turning a hobby into a way of life
Alma del Bosque

10H40- 11H00

COFEE BREAK

11H00- 11H40



Juan Pablo Martínez Moscoso

Redefining Conservation Paradigms: The Role of Ethical Commerce in the conservation of Andean Orchid Diversity.
Ecuagenera, Fundación Ángel Andreetta

11H40- 12H20

POSTER SESION

12H20- 12H40



Alina Furtak

Beauty from the Andes: How two Andean orchids changed the slipper horticulture landscape

American Orchid Society, Toronto Judging Centre

12H40- 13H00



José Portilla

Innovative Hybridization of Orchids: Navigating Pollination Barriers and Cultivation Techniques for Commercial Varieties
Ecuagenera

13H00- 14H00

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OCTOBER 23

14H00- 14H40



Tamara Ticktin

Local use, trade, and conservation of wild orchids
School of Life Sciences, University of Hawai'i at Mānoa

14H40- 15H00



Tatiana Arias

Orchids for Peace: Bridging Biodiversity Conservation and
Community Resilience in the Neotropics.
Orchids for Peace Foundation

15H00- 15H40

POSTER SESION

15H40- 16H00

COFEE BREAK

16H00- 16H40



Rebeca Menchaca García

Ethnobotany of orchids: Beyond their ornamental use.
Universidad Veracruzana

16H40- 17H00



Aurora Garzón

The *Cattleya trianae* Orchidarium: A Space for the Development
of Scientific Skills and Environmental Conservation
Francisco Torres León School Puente Amarillo Restrepo

17H00- 17H40



Alelí Morales Martínez

An approach to Cuban orchids: the genus *Lepanthes*
National Botanical Garden of Cuba

17H40 - 18H00



Noelia Belfort Oconitrillo

Clarifying the true diversity of 'frog' *Pleurothallis* in Costa Rica
Lankester Botanical Garden, University of Costa Rica

19H00- 20H00

**LECTURE OPEN TO PUBLIC -
UNIVERSIDAD DEL AZUAY - CUENCA**

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OCTOBER 24

09H00- 9H20



Ian Chalmers

"Accepted species" Academic (DNA) vs "Practical"

Registrar NSW /Australian Orchid Council, President of the Australasian Native Orchid Society

Alfonso Doucette

9H20- 10H00



Generative Artificial Intelligence as a Tool for Taxonomic Research: A Case Study with *Lepanthes artificialis* (Orchidaceae)

Fundación Angel Andreetta

Sascha Wetters

10H00- 10H20



Phylogeny of *Paphinia* First glance on the biogeographic and evolutionary history of a large-flowered epiphytic Andean orchid genus
Department of Molecular Cell Biology, Karlsruhe Institute of Technology

Tatiana Arias

10H20- 10H40



Integrative Taxonomy and Phylogenomics of *Lepanthes*
Species Discovery, Flower Polymorphism, and Evolutionary Insights
Marie Selby Botanical Gardens

10H40- 11H00

COFEE BREAK

11H00- 11H40



Elizabeth Santiago Ayala

The complexity of the taxonomic study of the genus *Epidendrum*.
Herbario Asociación Mexicana de Orquideología. CONABIO

Hugo Medina

11H40- 12H00



Expanding Orchid Diversity: Seventy-One New Species Described from Ecuador Between 2017 and 2025
Ecuagenera, Fundación Ángel Andreetta

Lizbeth Osés Salas

12H00- 12H20



A subgeneric reclassification of *Masdevallia* (Orchidaceae: Pleurothallinidae) based on genetic data
Lankester Botanical Garden, University of Costa Rica

12H20- 13H00

TAXONOMY ROUND TABLE

13H00- 14H00

LUNCH

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OCTOBER 24

14H00– 14H40



Lawrence W. Zettler

Saving Orchids – One Conference at a Time.
Illinois College and Chicago Botanic Garden

14H40– 15H00



David R. Mathers

Ex situ Conservation: Caring for Six National Collections of Orchids
The Mathers Foundation

15H00– 15H40



Hong Liu

What does sustainable use of orchids look like? Examples
from East Asia
Institute of Environment, Florida International University

15H40– 16H00

COFEE BREAK

16H00– 16H40



Nicola Flanagan

From Herbarium to Habitat: Mapping distributions and conservation
risk for *Vanilla* species across the neotropics.
Biodiversity & Bioeconomy Research Group; Orchid Specialist Group IUCN

Ricardo Zambrano Cevallos

16H40– 17H00



Protecting Andean biodiversity: ex situ conservation and research
at the Quito Botanical Garden.

Jardín Botánico de Quito

Camila Oderay Rodríguez Cabezas

17H00– 17H20



Identification of Key Areas for the Conservation of Ecuador's
Endemic Orchid Species Under Climate Change Scenarios
Fundación EcoMinga

Matti Niissalo

17H20– 17H40



Native orchids in a city—orchid conservation in Singapore
Singapore Botanic Gardens, National Parks Board Singapore

Marco F. Monteros

17H40– 18H00



Cloud Forest Treasures: New Orchid Discoveries and Conservation
Priorities in Northwestern Ecuador
Fundación EcoMinga

18H00

CLOSING CEREMONY

19H00

CLOSING PARTY