

Harvard Papers in Botany

Volume 29, Number 1

June 2024

A Publication of the Harvard University Herbaria Including
The Journal of the Arnold Arboretum

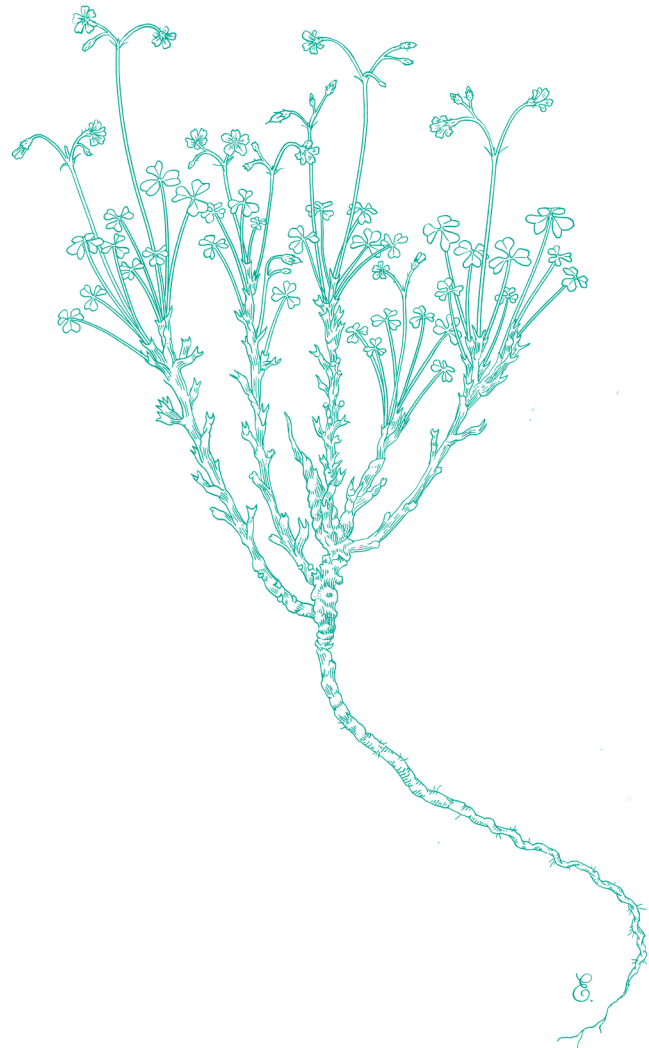
Arnold Arboretum

Botanical Museum

Farlow Herbarium

Gray Herbarium

Oakes Ames Orchid Herbarium



Harvard Papers in Botany

Initiated in 1989

Harvard Papers in Botany is a refereed journal that welcomes longer monographic and floristic accounts of plants and fungi, as well as papers concerning economic botany, systematic botany, molecular phylogenetics, the history of botany, relevant and significant bibliographies, and book reviews. Harvard Papers in Botany is open to all who wish to contribute.

Instructions for Authors

<http://huh.harvard.edu/pages/manuscript-preparation>

Manuscript Submission

Manuscripts, including tables and figures, should be submitted via email to papers@oeb.harvard.edu. The text should be in a major word-processing program for either Microsoft Windows or the Apple macOS, or in a compatible format. Authors should include a submission checklist available at <http://huh.harvard.edu/files/herbaria/files/submission-checklist.pdf>

Availability of Current and Back Issues

Harvard Papers in Botany publishes two numbers per year, in June and December. The two numbers of volume 18, 2013, made up the last issue distributed in printed form. Starting with volume 19, 2014, Harvard Papers in Botany became an electronic serial. It is available by subscription from volume 10, 2005, to the present via BioOne (<http://www.bioone.org/>). The content of the current issue is freely available at the Harvard University Herbaria & Libraries website (<http://huh.harvard.edu/pdf-downloads>). The content of back issues is also available from JSTOR (<http://www.jstor.org/>) volume 1, 1989 through volume 12, 2007, with a five-year moving wall.

Publication Exchange Agreements

Please send inquiries to botserials@oeb.harvard.edu or to the Serials Acquisition Manager at Serials Acquisitions & Exchanges, Harvard Botany Libraries, 22 Divinity Avenue, Cambridge, MA 02138, U.S.A.

To meet our publication exchange agreements, we are currently developing a mechanism to supply an electronic copy of each issue to the institutions with which we maintain an exchange program.

For all other questions and/or to order back issues, please email papers@oeb.harvard.edu.

***Harvard Papers in Botany* Volume 28, Number 2, was published online December 31, 2023.**

Editor:

GUSTAVO A. ROMERO-GONZÁLEZ

Assistant Editor:

SUSAN KELLEY

Nomenclature Editor:

KANCHI N. GANDHI

Editorial Board:

DAVID E. BOUFFORD

RODRIGO DUNO

FRANK ALMEDA

GERARDO A. AYMARD

IHSAN AL-SHEHBAZ

LISA CAMPBELL

Oxalis paramoensis Canelón, Dorr & S.M. Niño (page 51, Figure 3A).

Drawn by E. M. Ellis.

Harvard Papers in Botany

Volume 29, Number 1

June 2024

A Publication of the Harvard University Herbaria Including
The Journal of the Arnold Arboretum

Gustavo A. Romero-González and Germán Carnevali

Catasetum × *steyermarkii* (Catasetinae: Orchidaceae) a new putative natural hybrid of *Catasetum* (Catasetinae, Orchidaceae) from the Venezuelan Guayana 1

Rafael Acuña-Castillo, Mario A. Blancoo, Miguel Artavia, José Esteban Jiménez, and Diego Bogarín

Sarcoglottis woodsonii (Orchidaceae: Spiranthinae)—Rediscovered in Costa Rica after 80 years, with a preliminary survey on aquatic and other wetland orchids 15

Ihsan A. Al-Shehbaz and Diego L. Salariao

Menonvillea linearifolia (Brassicaceae), a new combination for a Chilean endemic 35

Gerardo A. Aymard-Corredor and João Victor Longhi Monzoli

A new species of *Doliocarpus* (Dilleniaceae, Doliocarpoideae) from the Amazon forests and an updated key for the Colombian species 37

Daniela S. Canelón, Laurence J. Dorr y Santos M. Niño

Dos nuevas especies de *Oxalis* (Oxalidaceae) de los Andes de Venezuela 45

Xavier Cornejo

Incleome: A new Andean genus of Cleomaceae 53

Xavier Cornejo and José Flores Cedeño

Vasconcellea jossei (Caricaceae): A new species of highland papaya with edible fruits from the Andes of Ecuador 59

Zacky Ezedin

A conspectus of Angiosperm supertribes 63

Jose Luis Fernández-Alonso y Xavier Cornejo

Quararibea centinela (Malvaceae), una nueva especie endémica de centinela, occidente de Ecuador 79

Jackson Kehoe, Justin Williams, Yujing Yan, Liming Cai, Xiaoshan Duan, and Charles Davis

Revised circumscriptions of *Sphedammocarpus* and *Philgamia* (Malpighiaceae) 87

Ricardo Kriebel and Thomas F. Daniel

Acanthaceae, an additional family of Angiosperms with staminal levers 97

(Continued on page ii)

(Continued from page i)

Guilherme Araújo da Luz, Dilma Maria de Brito Melo Trovão, Bernardo de Farias Rocha, Thávylla Ellen Duarte Correia and José Iranildo Miranda de Melo	
Dispersal syndromes in a Conservation area in a Brazilian Semiarid Region	101
Lucas C. Marinho and Angy V. Caro-Sánchez	
<i>Clusia aequatoriensis</i> , a new combination based on <i>Tovomita aequatoriensis</i> (Clusiaceae)	119
Paul Ormerod	
A commentary on the <i>Cinnamomum</i> and <i>Camphora</i> (Lauraceae) types of Athanase de Lukmanoff	121
Paul Ormerod and Lina Juswara	
Notes on some Malesian Orchidaceae VII	141
Mario Alexei Sierra-Ariza, Juan Sebastián Moreno, and Isler F. Chinchilla	
A new species of <i>Malaxis</i> (Malaxidinae: Orchidaceae) with white flowers from Colombia	147
Daniele Ancelmo Souza, Bianca Volponi da Silva, Fernanda Kelly Gomes da Silva, José Iranildo Miranda de Melo, and Dilma Maria de Brito Melo Trovão	
Cognizing botanical architectural models in the Caatinga Vegetation of Northeastern Brazil	153
Oscar M. Vargas, Drew A. Larson, Juvenal Batista, Xavier Cornejo, Bruno Garcia Luize, Diana Medellín-Zabala, Michel Ribeiro, Nathan P. Smith, Stephen A. Smith, Alberto Vicentini, Christopher W. Dick	
Reclassification of the <i>Bertholletia</i> clade of the Brazil nut family (Lecythidaceae) based on a phylogenetic analysis of plastome and target sequence capture data	159
Boris Villanueva-Tamayo and Gerardo A. Aymard-Corredor	
<i>Ampelocera percyhernandezii</i> (Ulmaceae), an endangered new tree species from the Colombian dry forest remnants	181
Index to New Names and Combinations	191

(Continued from the back cover)

Guilherme Araújo da Luz, Dilma Maria de Brito Melo Trovão, Bernardo de Farias Rocha, Tháyyla Ellen Duarte Correia and José Iranildo Miranda de Melo	
Dispersal syndromes in a Conservation area in a Brazilian Semiarid Region	101
Lucas C. Marinho and Angy V. Caro-Sánchez	
<i>Clusia aequatoriensis</i> , a new combination based on <i>Tovomita aequatoriensis</i> (Clusiaceae)	119
Paul Ormerod	
A commentary on the <i>Cinnamomum</i> and <i>Camphora</i> (Lauraceae) types of Athanase de Lukmanoff	121
Paul Ormerod and Lina Juswara	
Notes on some Malesian Orchidaceae VII	141
Mario Alexei Sierra-Ariza, Juan Sebastián Moreno, and Isler F. Chinchilla	
A new species of <i>Malaxis</i> (Malaxidinae: Orchidaceae) with white flowers from Colombia	147
Daniele Ancelmo Souza, Bianca Volponi da Silva, Fernanda Kelly Gomes da Silva, José Iranildo Miranda de Melo, and Dilma Maria de Brito Melo Trovão	
Cognizing botanical architectural models in the Caatinga Vegetation of Northeastern Brazil	153
Oscar M. Vargas, Drew A. Larson, Juvenal Batista, Xavier Cornejo, Bruno Garcia Luize, Diana Medellín-Zabala, Michel Ribeiro, Nathan P. Smith, Stephen A. Smith, Alberto Vicentini, Christopher W. Dick	
Reclassification of the Bertholletia clade of the Brazil nut family (Lecythidaceae) based on a phylogenetic analysis of plastome and target sequence capture data	159
Boris Villanueva-Tamayo and Gerardo A. Aymard-Corredor	
<i>Ampelocera percyhernandezii</i> (Ulmaceae), an endangered new tree species from the Colombian dry forest remnants	181
Index to New Names and Combinations	191

Harvard Papers in Botany was initiated in 1989 to consolidate the following journals published by the Harvard University Herbaria: *Botanical Museum Leaflets—Harvard University* (vols. 1–30, 1932–1986), *Contributions from the Gray Herbarium of Harvard University* N.S. (nos. 1–214, 1891–1984), and *Occasional Papers of the Farlow Herbarium of Cryptogamic Botany* (nos. 1–19, 1969–1987). Starting with no. 8, it incorporates the *Journal of the Arnold Arboretum* (vols. 1–71, 1920–1990) and the *Journal of the Arnold Arboretum Supplementary Series* (1, 1991).

Harvard Papers in Botany was published as individually paginated issues up to number 10 (April 1997). Starting with the next issue, it has been published in volumes, each volume consisting of two numbers with continuous pagination. Number 1–10, published between May 1989 and April 1997, constitute Volume 1. Volume 1, number 10, includes a cumulative, comprehensive index for the first volume. Print Copies for most volumes 1 through 18 are available. Please contact papers@oeb.harvard.edu for more information.

This issue of *Harvard Papers in Botany* was composed by Barbara Kroner Morra, using Adobe InDesign for the Macintosh. The body of the text is set in 10-point Times Roman on 11 points of leading.

Harvard Papers in Botany

Volume 29, Number 1

June 2024

A Publication of the Harvard University Herbaria Including
The Journal of the Arnold Arboretum

Gustavo A. Romero-González and Germán Carnevali

Catasetum ×*steyermarkii* (Catasetinae: Orchidaceae) a new putative natural hybrid of *Catasetum* (Catasetinae, Orchidaceae) from the Venezuelan Guayana 1

Rafael Acuña-Castillo, Mario A. Blancoo, Miguel Artavia, José Esteban Jiménez, and Diego Bogarín

Sarcoglottis woodsonii (Orchidaceae: Spiranthinae)—Rediscovered in Costa Rica after 80 years, with a preliminary survey on aquatic and other wetland orchids 15

Ihsan A. Al-Shehbaz and Diego L. Salariao

Menonvillea linearifolia (Brassicaceae), a new combination for a Chilean endemic 35

Gerardo A. Aymard-Corredor and João Victor Longhi Monzoli

A new species of *Doliocarpus* (Dilleniaceae, Doliocarpoideae) from the Amazon forests and an updated key for the Colombian species 37

Daniela S. Canelón, Laurence J. Dorr y Santos M. Niño

Dos nuevas especies de *Oxalis* (Oxalidaceae) de los Andes de Venezuela 45

Xavier Cornejo

Incleome: A new Andean genus of Cleomaceae 53

Xavier Cornejo and José Flores Cedeño

Vasconcellea jossei (Caricaceae): A new species of highland papaya with edible fruits from the Andes of Ecuador 59

Zacky Ezedin

A conspectus of Angiosperm supertribes 63

Jose Luis Fernández-Alonso y Xavier Cornejo

Quararibea centinela (Malvaceae), una nueva especie endémica de centinela, occidente de Ecuador 79

Jackson Kehoe, Justin Williams, Yujing Yan, Liming Cai, Xiaoshan Duan, and Charles Davis

Revised circumscriptions of *Sphedammocarpus* and *Philgamia* (Malpighiaceae) 87

Ricardo Kriebel and Thomas F. Daniel

Acanthaceae, an additional family of Angiosperms with staminal levers 97

(Continued on the inside back cover)
