

Harvard Papers in Botany

Volume 28, Number 1

June 2023

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

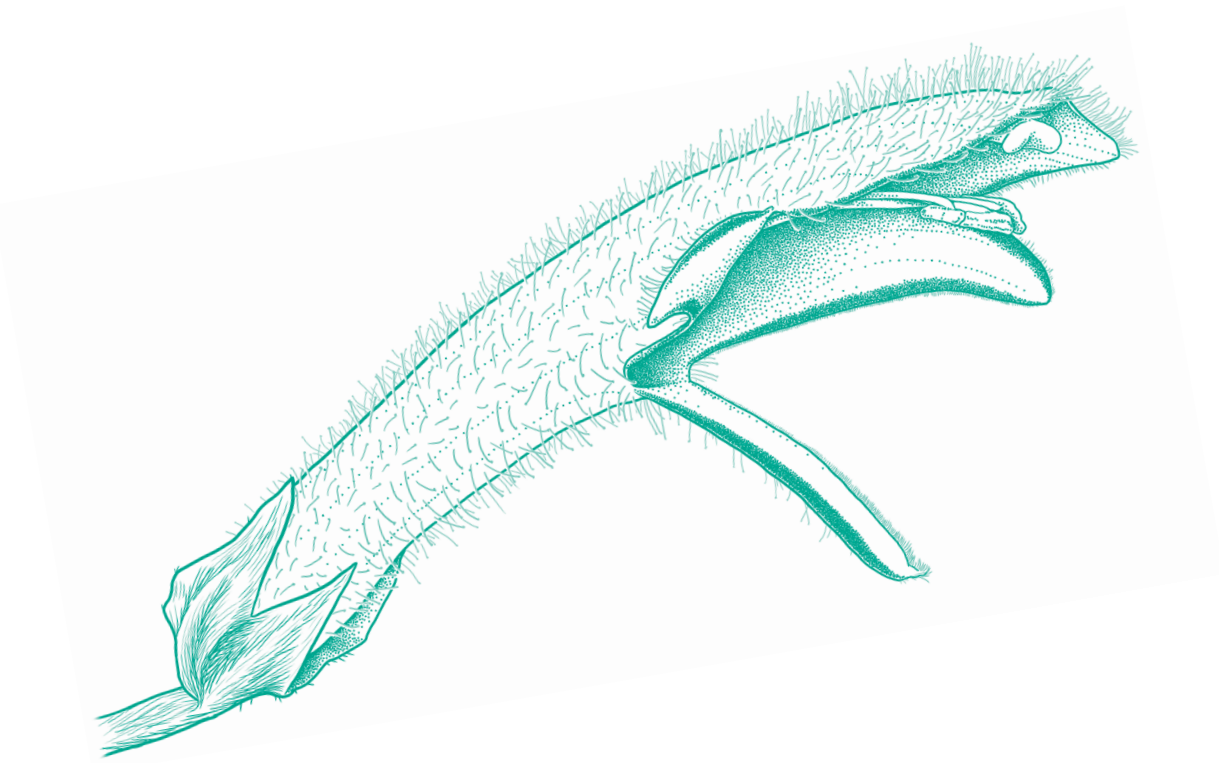
Arnold Arboretum

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 27, Number 2, was published online December 31, 2022.**

Editor:

GUSTAVO A. ROMERO-GONZÁLEZ

Assistant Editor:

SUSAN KELLEY

Nomenclature Editor:

KANCHI N. GANDHI

Editorial Board:

DAVID E. BOUFFORD

FRANK ALMEDA

SARAH MATHEWS

IHSAN AL-SHEHBAZ

RODRIGO DUNO

GERARDO A. AYMARD

LISA CAMPBELL

JASON GRANT

Harvard Papers in Botany

Volume 28, Number 1

June 2023

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

Michael O. Dillon and Victor Quipuscoa-Silvestre

Two new species of *Nolana* (Nolaneae–Solanaceae) from southern Peru 1

Gerardo A. Aymard-Corredor

An updated synopsis and key to the species *Monnina* in the Venezuelan Flora (Polygalaceae, Polygaleae), including two new records 15

Marcos Medeiros Cavalcanti-Júnior, Jacicleide Macedo Oliveira, Annyelle Kelly da Silva Costa, Carlinda Raily Ferreira Mendonça, Caroline Stefani da Silva Lima, Maxciell Ricardo Azevedo da Silva, Rafaela Santos Dias Gouveia, Thelma Lúcia Pereira Dias, Joseline Molozzi, Sabrina Soares Figueiredo, Lamarck Rocha, Ramiro Gustavo Valera Camacho, and José Iranildo Miranda de Melo

Floristic inventory of an estuarine area in northeastern Brazil (Ponta do Tubarão Sustainable Development Reserve) 21

Xavier Cornejo, Dieter Wasshausen, Nolan Exe, and Mia Johnson

The reinstatement of *Aphanandrium* (Acanthaceae), a new species from Ecuador and four new combinations 31

Thomas F. Daniel

Revision of *Calycacanthus* (Acanthaceae: Justicieae: Monotheciinae) with a new species from Papua New Guinea 37

José Esteban Jiménez, Isler F. Chinchilla, and Ricardo Kriebel

Columnea Blancoi (Gesneriaceae), a new species from the central Pacific region of Costa Rica 51

Adam P. Karremans

Karma, a new genus in the Pleurothallidinae (Orchidaceae) 61

Ashiho A. Mao, Sudhansu Sekhar Dash, C. Murugan, Gopal Krishna, and Kanchi N. Gandhi

A report on the nomenclatural section of the Second International Symposium organized by the Botanical Survey of India at Kolkata, India 71

Luis B. Marcano-Berti, Jorge M. Vélez-Puerta, and Gerardo A. Aymard-Corredor

A new species of *Vochysia* (Vochysiaceae, section *Ciliantha*, subsection *Ferruginea*) from the Colombian Amazon forest 77

Fernanda Kalina da Silva Monteiro and José Iranildo Miranda de Melo

New records for northeastern Brazil and lectotypifications in *Dyschoriste* (Acanthaceae) 85

(Continued on page ii)

(Continued from page i)

Juan Sebastián Moreno, Robinson Galindo-Tarazona, and Alejandro Zuluaga Tróchez <i>Lepanthes carrizosana</i> , a new species of <i>Lepanthes</i> (Orchidaceae: Pleurothallidinae) from the Southwestern Andes in Colombia	89
Paul Ormerod and Lina Juswara Notes on some Malesian Orchidaceae V	93
Claudia J. Ramírez-Díaz, Ivón M. Ramírez-Morillo, Jorge Cortés-Flores, José Arturo De-Nova, Rodrigo Duno de Stefano, and Germán Carnevali Fernández-Concha Biogeographical history of the Yucatan Peninsula endemic flora (Spermatophyta) from a phylogenetic perspective	99
Darío J. Schiavinato, Adriana Bartoli, and Ihsan A. Al-Shehbaz Notes on several Argentinean and Chilean species of <i>Lepidium</i> (Brassicaceae)	121
Rajendra D. Shinde, Alok Gude, and Kanchi N. Gandhi Report on the botanical nomenclature course organized by St. Xavier's College at Mumbai, India	123
Mario Alexei Sierra-Ariza, Jose Armando Alvarez diaz, and Juan Sebastián Moreno A new species of <i>Bulbophyllum</i> (Orchidaceae) from the Andean region of Colombia	129
George Staples The reinstatement of <i>Petrogenia</i> (Convolvulaceae)	137
Index to New Names and Combinations	139

(Continued from the back cover)

Juan Sebastián Moreno, Robinson Galindo-Tarazona, and Alejandro Zuluaga Tróchez

Lepanthes carrizosana, a new species of *Lepanthes* (Orchidaceae: Pleurothallidinae) from the Southwestern Andes in Colombia 89

Paul Ormerod and Lina Juswara

Notes on some Malesian Orchidaceae V 93

Claudia J. Ramírez-Díaz, Ivón M. Ramírez-Morillo,

Jorge Cortés-Flores, José Arturo De-Nova,

Rodrigo Duno de Stefano, and Germán Carnevali Fernández-Concha

Biogeographical history of the Yucatan Peninsula endemic flora (Spermatophyta) from a phylogenetic perspective 99

Darío J. Schiavinato, Adriana Bartoli, and Ihsan A. Al-Shehbaz

Notes on several Argentinean and Chilean species of *Lepidium* (Brassicaceae) 121

Rajendra D. Shinde, Alok Gude, and Kanchi N. Gandhi

Report on the botanical nomenclature course organized by St. Xavier's College at Mumbai, India 123

Mario Alexei Sierra-Ariza, Jose Armando Alvarez diaz, and Juan Sebastián Moreno

A new species of *Bulbophyllum* (Orchidaceae) from the Andean region of Colombia 129

George Staples

The reinstatement of *Petrogenia* (Convolvulaceae) 137

Index to New Names and Combinations 139

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 CS6 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 28, Number 1

June 2023

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

Michael O. Dillon and Victor Quipuscoa-Silvestre

Two new species of *Nolana* (Nolaneae–Solanaceae) from southern Peru 1

Gerardo A. Aymard-Corredor

An updated synopsis and key to the species *Monnina* in the Venezuelan Flora (Polygalaceae, Polygaleae), including two new records 15

Marcos Medeiros Cavalcanti-Júnior, Jacicleide Macedo Oliveira, Annyelle Kelly da Silva Costa, Carlinda Raily Ferreira Mendonça, Caroline Stefani da Silva Lima, Maxciell Ricardo Azevedo da Silva, Rafaela Santos Dias Gouveia, Thelma Lúcia Pereira Dias, Joseline Molozzi, Sabrina Soares Figueiredo, Lamarck Rocha, Ramiro Gustavo Valera Camacho, and José Iranildo Miranda de Melo

Floristic inventory of an estuarine area in northeastern Brazil (Ponta do Tubarão Sustainable Development Reserve) 21

Xavier Cornejo, Dieter Wasshausen, Nolan Exe, and Mia Johnson

The reinstatement of *Aphanandrium* (Acanthaceae), a new species from Ecuador and four new combinations 31

Thomas F. Daniel

Revision of *Calycacanthus* (Acanthaceae: Justicieae: Monotheciinae) with a new species from Papua New Guinea 37

José Esteban Jiménez, Isler F. Chinchilla, and Ricardo Kriebel

Columnea Blancoi (Gesneriaceae), a new species from the central Pacific region of Costa Rica 51

Adam P. Karremans

Karma, a new genus in the Pleurothallidinae (Orchidaceae) 61

Ashiho A. Mao, Sudhansu Sekhar Dash, C. Murugan, Gopal Krishna, and Kanchi N. Gandhi

A report on the nomenclatural section of the Second International Symposium organized by the Botanical Survey of India at Kolkata, India 71

Luis B. Marcano-Berti, Jorge M. Vélez-Puerta, and Gerardo A. Aymard-Corredor

A new species of *Vochysia* (Vochysiaceae, section *Ciliantha*, subsection *Ferruginea*) from the Colombian Amazon forest 77

Fernanda Kalina da Silva Monteiro and José Iranildo Miranda de Melo

New records for northeastern Brazil and lectotypifications in *Dyschoriste* (Acanthaceae) 85

(Continued on the inside back cover)
