EDINBURGH JOURNAL OF BOTANY

AN INTERNATIONAL JOURNAL OF PLANT Systematics and biodiversity

Editor-in-chief DR NEIL BELL

VOLUME 75 (2018)



PUBLISHED BY THE PRESS SYNDICATE OF THE UNIVERSITY OF CAMBRIDGE The Pitt Building, Trumpington, Cambridge CB2 1RP, United Kingdom

CAMBRIDGE UNIVERSITY PRESS UPH, Cambridge CB2 8BS, United Kingdom 1 Liberty Plaza, New York, NY 10006, USA 477 Williamstown Road, Port Melbourne, VIC 3207, Australia Calle Impresores, 20, 28660 Boadilla del Monte, Madrid, Spain Lower Ground Floor, Nautica Building, The Water Club, Beach Road, Granger Bay, 8005 Cape Town, South Africa

© Trustees of the Royal Botanic Garden Edinburgh (2018)

Printed in the UK by Bell & Bain Ltd, Glasgow G46 7UQ

CONTENTS OF VOLUME 75 (2018)

Vol. 75, No. 1, March 2018

A note on Euonymus bullatus (Celastraceae). I. M. TURNER	1
Eight new records of <i>Zingiber</i> Mill. (Zingiberaceae) for the flora of Lao P.D.R. K. SOUVANNAKHOUMMANE & J. LEONG-ŠKORNIČKOVÁ	3
A revision of Boea (Gesneriaceae). C. PUGLISI & D. J. MIDDLETON	19
A new species of <i>Paraboea</i> (Gesneriaceae) from Thailand. C. PUGLISI & T. PHUTTHAI	51
Rediscovery and taxonomic reassessment of four angiosperms in the savannas of Jalapão, Central Brazil. G. M. ANTAR, M. F. SANTOS & P. T. SANO	55
Species identification of <i>Vachellia pachyceras</i> from Kuwait and its relatives <i>Vachellia gerrardii</i> and <i>Vachellia tortilis</i> , based on multilocus plastid gene sequences. M. K. SULEIMAN, A. M. QUORESHI, N. R. BHAT & A. J. MANUVEL	73
New records in the flora checklists of Laos, resulting from a survey of Phou Hin Poun National Biodiversity Conservation Area. J. PROSPERI, V. LAMXAY, F. HALLÉ, JM. BOMPARD, P. BLANC, B. R. RAMESH, N. AYYAPPAN & S. CARDINAL	91
Flora of Nam Kading National Protected Area II: 30 new records of angiosperms for Laos. S. TAGANE, P. SOULADETH, S. RUEANGRUEA, N. OKABE, M. ZHANG, S. CHAYER, CJ. YANG & T. YAHARA	107
Gentiana arunii sp. nov.: tiny remarkable Gentiana from Sikkim Himalaya. D. MAITY, S. K. DEY, J. GHOSH & M. MIDDAY	117
Vol. 75, No. 2, July 2018	
A revision of <i>Begonia</i> sect. <i>Symbegonia</i> on New Guinea. J. N. GAGUL, M. J. S. SANDS, O. GIDEON & M. HUGHES	127
Begonia mariachristinae (Begoniaceae), a new species from northern Myanmar. E. WAHLSTEEN	161
<i>Begonia lecongkietii</i> (sect. <i>Petermannia</i>), a new species from Mount Dãu, South Central Coast Region, Vietnam. NS. Lý, CI. PENG & M. HUGHES	167
Eleven new species of <i>Cyrtandra</i> (Gesneriaceae) from Sulawesi, Indonesia. A. KARTONEGORO, R. E. BONE & H. J. ATKINS	173
Nomenclature and typification of various Myrtaceae occurring in Southeast Asia. J. PARNELL & W. K. SOH	205

Taxonomy of <i>Begonia wollnyi</i> Herzog and <i>Begonia arrogans</i> Irmsch. M. C. TEBBITT, A. R. ANDRADA, L. J. C. KOLLMANN & P. W. MOONLIGHT	215
An infraspecific taxonomic revision of <i>Begonia micranthera</i> (Begoniaceae). M. C. TEBBITT, A. R. ANDRADA, E. BULACIO, G. A. PARADA & H. AYARDE	227
Composition, structure and biodiversity of trees in tropical montane cloud forest patches in Serra do Papagaio State Park, Southeast Brazil. J. H. C. RIBEIRO, L. D. SANTANA & F. A. CARVALHO	255
Vol. 75, No. 3, November 2018	
Notes on two coprinoid fungi (Basidiomycota, Agaricales) from the Brazilian semiarid region. A. R. P. GOMES & F. WARTCHOW	285
Two new species of Begonia from Sumatra. W. H. ARDI & M. HUGHES	297
A new combination in <i>Microchirita</i> (Gesneriaceae) from India. D. J. MIDDLETON	305
Two new species of <i>Oreocharis</i> (Gesneriaceae) from Northern Vietnam. M. Möller, H. J. Atkins, G. L. C. Bramley, D. J. Middleton, R. Baines, V. D. Nguyen, H. Q. Bui & S. Barber	309
Revision of Mezia (Malpighiaceae). C. ANDERSON & W. R. ANDERSON	321
<i>Ficus</i> species in the Sangha Trinational, central Africa. S. T. NDOLO EBIKA, D. MORGAN, C. SANZ & D. J. HARRIS	377
Two new species of <i>Paraboea</i> (Gesneriaceae) from Vietnam. D. J. MIDDLETON	421
Reviewers for Volume 75	427
Index to Volume 75	429
Volume contents	

Access leading journals in your subject

Cambridge Core

Explore today at cambridge.org/core

Cambridge Core



Life Sciences

Books and Journals from Cambridge University Press

Cambridge is one of the leading publishers in ecology and conservation biology and publishes high quality texts and research across the breadth of the life sciences, focusing particularly on animal behaviour, biological anthropology, evolutionary biology, computational and systems biology, as well as statistics and professional development titles for biologists.

We also have an extensive portfolio of established journals in agriculture, ecology and conservation, and animal science.

For further details visit: cambridge.org/core-life-sciences





EDINBURGH JOURNAL OF BOTANY: INSTRUCTIONS FOR AUTHORS (November 2018)

Edinburgh Journal of Botany is an international journal of plant systematics. Contributions relating to plant systematics and allied subjects, including biodiversity, conservation science and phytogeography, will be considered. Papers reporting the results of research that link traditional and modern techniques are especially welcomed. **Manuscripts should be sent in electronic form** to ejb@rbge.org.uk. All manuscripts will be subject to multiple peer review before publication. Submitted manuscripts should not have been accepted for publication or be under consideration elsewhere. The **language** of the journal is UK English. Authors whose mother tongue is not English should have their papers checked by a fluent or proficient English speaker before submission.

There are no page charges. A PDF offprint will be supplied free of charge to the corresponding author. Paper offprints may be purchased through the publisher. Colour plates are published online and in print free of charge.

Text pages should be numbered serially, with the title and abstract on the first. Genus and species names should be italicised and should be followed by the authority when first used in the main text or in diagnoses. SI (metric) units must be used, other than in specimen citations, where appropriate. Authors are advised not to return loan material of new taxa until papers have been reviewed. Refer to volume 63 onwards to see how nomenclatural details, typification and specimens seen should be formatted.

The **title page** should include the title, the name(s) and address(es) of the author(s), the abstract, a short running title and a few important keywords. Titles do not normally include authors of scientific names. Correspondence will be addressed to the first author unless otherwise indicated. The **abstract** should be concise and informative, indicating what the paper contains without summarising it.

Author abbreviations should precisely follow: *The International Plant Names Index*, http://www.ipni. org/index.html; *Index Fungorum, Authors of Fungal Names*, http://www.indexfungorum.org/authorsof fungalnames.htm.

Herbarium abbreviations should follow: Index Herbariorum. Part I: The Herbaria of the World, http:// sweetgum.nybg.org/ih/.

Journal abbreviations should follow: *BPH Online*, http://fmhibd.library.cmu.edu/fmi/iwp/ cgi?-db=BPH_Online2014&-loadframes.

Book title abbreviations should follow: *Taxonomic Literature*, http://www.sil.si.edu/digitalcollections/ tl-2/index.cfm, except that all abbreviated words should be capitalised, e.g. Sp. Pl. not Sp. pl.

References in the text should be cited by author and publication date: (Smith, 2014) or 'as stated by Smith (2014)'. Multiple references should be arranged chronologically. For three or more authors use *et al.* In the reference list, references should be in alphabetical order and should appear in the following style:

KNOPF, P., SCHULZ, C., LITTLE, D. P., STÜTZEL, T. & STEVENSON, D. W. (2012). Relationships within Podocarpaceae based on DNA sequence, anatomical, morphological, and biogeographical data. *Cladistics* 28: 271–299.

NOLTIE, H. J. (2013). *The Botanical Collections of Colonel and Mrs Walker: Ceylon, 1830–1838.* Edinburgh: Royal Botanic Garden Edinburgh.

ZHANG, Y. X. & LI, D. Z. (2013). History of and recent advances in plant taxonomy. In: HONG, D. Y. & BLACKMORE, S. (eds) *Plants of China: A Companion to the* Flora of China, pp. 256–278. Beijing: Science Press.

Tables should be numbered in arabic numerals and carry a descriptive title.

Figures, whether line drawings or photographs, should be numbered consecutively in arabic numerals and referred to in the text thus: (Fig. 1), (Figs 2, 3), (Figs 1–4). Each figure should be supplied as an individual file. The multiple elements of any composite figure should *not* be supplied as individual files. Figure legends should be provided separately at the end of the main text file. Line drawings should be scanned in black and white at 1000 dpi and photographs scanned at 300 dpi (but correspond with the editor if this should prove problematic), and should ideally be supplied as TIFF or EPS files for line drawings, and TIFF, EPS or PDF files for photographs. Some other file formats are permissible; please see the Cambridge Journals Artwork Guide (https://www.cambridge.org/core/services/authors/journals/journals-artwork-guide) for more information. Please use LZW compression for TIFF files, remove excess space and elements from around the image, and crop or scale the image to the journal page size (12.5×19.5 cm to include caption). A measured scale mark should be included on each illustration to indicate magnification.

FirstView articles in *Edinburgh Journal of Botany*: All articles are published online on FirstView ahead of allocation to an issue. All taxonomic articles will contain the date of original online publication on FirstView, which fulfils the stipulations of the International Code of Nomenclature for algae, fungi, and plants.

Open Access: Cambridge Open Option allows authors the option to make their articles freely available to everyone, immediately on publication. For further information see the online Instructions for Contributors at cambridge.org/ejb.

© Trustees of the Royal Botanic Garden Edinburgh

This journal issue has been printed on FSC-certified paper and cover board. FSC is an independent, nongovernmental, not-for-profit organisation established to promote the responsible management of the world's forests. Please see www.fsc.org for information.

VOLUME 75, NO. 3 (2018)

CONTENTS

Notes on two coprinoid fungi (Basidiomycota, Agaricales) from the Brazilian semiarid region	
A. R. P. Gomes & F. Wartchow	285
Two new species of Begonia from Sumatra	
W. H. Ardi & M. Hughes	297
A new combination in Microchirita (Gesneriaceae) from India	
D. J. Middleton	305
Two new species of Oreocharis (Gesneriaceae) from Northern Vietnam	
M. Möller, H. J. Atkins, G. L. C. Bramley, D. J. Middleton,	
R. BAINES, V. D. NGUYEN, H. Q. BUI & S. BARBER	309
Revision of Mezia (Malpighiaceae)	
C. Anderson & W. R. Anderson	321
Ficus species in the Sangha Trinational, central Africa	
S. T. Ndolo Ebika, D. Morgan, C. Sanz & D. J. Harris	377
Two new species of Paraboea (Gesneriaceae) from Vietnam	
D. J. Middleton	421
Reviewers for Volume 75	427
Index to Volume 75	429
Volume contents	

The cover illustration, drawn by Mary Mendum, is of the diminutive alpine plant *Sibbaldia procumbens*, named in honour of one of the Royal Botanic Garden Edinburgh's founders, Robert Sibbald. This plant is used, in a stylised form, as the Garden's official logo.

Date of print copy publication of *Edinburgh Journal of Botany* 75(2) (pages 127–284): 15 June 2018

Cambridge Core For further information about this journal please go to the journal website at: cambridge.org/ejb



