# EDINBURGH JOURNAL OF BOTANY

# AN INTERNATIONAL JOURNAL OF PLANT SYSTEMATICS AND BIODIVERSITY

# Editor DR DAVID MIDDLETON

Chairman of the Editorial Board PROFESSOR JOHN RAVEN

Book Review Editor DR MARK HUGHES

# VOLUME 70 2013

No. 1 pages 1–178 (Published 21 February 2013) No. 2 179–384 (Published 13 June 2013) No. 3 385–516 (Published 14 October 2013)



# PUBLISHED BY THE PRESS SYNDICATE OF THE UNIVERSITY OF CAMBRIDGE

The Pitt Building, Trumpington, Cambridge CB2 1RP, United Kingdom

### CAMBRIDGE UNIVERSITY PRESS

The Edinburgh Building, Cambridge CB2 8RU, United Kingdom 32 Avenue of the Americas, New York, NY 10013–2473, USA 477 Williamstown Road, Port Melbourne, VIC 3207, Australia C/Orense, 4, planta 13, 28020 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 (2013)

Printed by Latimer Trend, Plymouth, UK

## **CONTENTS OF VOLUME 70 (2013)**

## Vol. 70, No. 1, March 2013

Notes on the names of two species of <i>Campanula</i> (Campanulaceae) validated by R. H. Beddome. I. M. Turner	1
A revision of the Asian-Pacific species of <i>Manilkara</i> (Sapotaceae). K. E. Armstrong	7
Rhododendron mechukae (Ericaceae), a new species from India. A. A. Mao, M. Bhaumik, A. Paul, S. Bharali & M. L. Khan	57
A revision of <i>Cytisus</i> sections <i>Alburnoides</i> , <i>Spartopsis</i> and <i>Verzinum</i> (Genisteae, Fabaceae). G. Auvray & V. Malecot	61
A revision of <i>Rhynchotechum</i> Blume (Gesneriaceae). B. M. Anderson & D. J. MIDDLETON	121
Book review	
Plant Reintroduction in a Changing Climate: Promises and Perils, edited by J. Maschinski & K. E. Haskins	177
Vol. 70, No. 2, July 2013	
A revision of Guarea (Meliaceae). T. D. Pennington & J. J. Clarkson	179
Two new varietal combinations in <i>Phanera</i> (Leguminosae: Caesalpinioideae). S. Bandyopadhyay	363
New taxa of <i>Convolvulus</i> (Convolvulaceae) from the Arabian Peninsula. R. R. MILL	367
A new species of <i>Bulbophyllum</i> (Orchidaceae) from Nepal. B. B. RASKOTI & R. ALE	381
Vol. 70, No. 3, November 2013	
The current status of the species hitherto assigned to <i>Henckelia</i> (Gesneriaceae). D. J. MIDDLETON, A. WEBER, T. L. YAO, S. SONTAG & M. MÖLLER	385
Ochotonophila flava (Caryophyllaceae), a new species from central Afghanistan. W. B. Dickoré, C. Schloeder, M. Jacobs, T. Spribille & H. Freitag	405
Resolution of the <i>Hiraea cephalotes</i> complex (Malpighiaceae). C. E. Anderson	413
Typification of names of Brazilian and Caribbean species of <i>Calyptranthes</i> (Myrtaceae – Myrciinae). A. C. Araújo & E. Lucas	433

Camellia oconoriana (Theaceae), a new species from Vietnam. G. Orel, P. G. Wilson, A. S. Curry & Luu Hong Truong	439
A new name for an endemic Jamaican species of <i>Renealmia</i> L.f. (Zingiberaceae). P. J. M. Maas, J. F. Veldkamp & M. Newman	449
Rotala kasaragodensis (Lythraceae), a new species from Kerala, India. K. S. Prasad & K. Raveendran	451
Four new species of <i>Cyrtandra</i> (Gesneriaceae) from the Latimojong Mountains, South Sulawesi. R. E. Bone & H. J. Atkins	455
A study in an area of transition between seasonally dry tropical forest and mesotrophic cerradão, in Mato Grosso do Sul, southwestern Brazil. M. L. Bueno, D. R. Neves, A. T. Oliveira Filho, C. R. Lehn & J. A. Ratter	469
Lectotypification of <i>Phanera macrostachya</i> Benth. (Leguminosae: Caesalpinioideae). S. Bandyopadhyay	487
Book review	
Etlingera of Sulawesi, by A. D. Poulsen	491
Reviewers for Volume 70	493
Index to Volume 70	495
Volume contents	

#### EDINBURGH JOURNAL OF BOTANY: INSTRUCTIONS FOR AUTHORS (July 2010)

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. Authors whose mother tongue is not English should if possible 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. Paper offprints may be purchased through the publisher. Colour plates may be included in the online version free of charge; the cost of including colour plates in the printed version will be charged to the author. Halftone plates are free of charge both online and in print.

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. It will be assumed that correspondence should 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: BRUMMITT, R. K. & POWELL, C. E. (eds) (1992). *Authors of Plant Names*. Kew: Royal Botanic Gardens, Kew; KIRK, P. M. & ANSELL, A. E. (1992). *Authors of Fungal Names* [Index to Fungi Supplement]. Wallingford: CAB International.

Herbarium abbreviations should follow: HOLMGREN, P. K., HOLMGREN, N. H. & BARNETT, L. C. (eds) (1990). *Index Herbariorum. Part I: The Herbaria of the World* [Regnum Veg. vol. 120]. New York: New York Botanical Garden. Newer entries can be found at http://sciweb.nybg.org/science2/IndexHerbariorum.asp.

Journal abbreviations should follow: BRIDSON, G. D. R., TOWNSEND, S. T., POLEN, E. A. & SMITH, E. R. (eds) (2004). *BPH-2: periodicals with botanical content: comprising a second edition of Botanico-Periodicum-Huntianum*. Pittsburgh: Hunt Institute for Botanical Documentation.

Book title abbreviations should follow: STAFLEU, F. A. & COWAN, R. S. (eds) (1976–88). *Taxonomic Literature*. 2nd edition. 7 vols [Regnum Veg. vols 94, 98, 105, 110, 112, 115, 116]; STAFLEU, F. A. & MENNEGA, E. A. (eds) (1992–). *Taxonomic Literature*. Supplements [Regnum Veg. vols 125, 130, 132], 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, 2009) or 'as stated by Smith (2009)'. 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:

ZHU, R.-L. & CHENG, X. F. (2008). The status of *Amblyolejeunea* (Lejeuneaceae) from Ecuador and Guadeloupe. *Syst. Bot.* 33: 617–620.

MABBERLEY, D. J. (2008). Mabberley's Plant-Book: A Portable Dictionary of Plants, Their Classification and Uses, 3rd edition. Cambridge: Cambridge University Press.

MANN, D. G. & EVANS, K. M. (2007). Molecular genetics and the neglected art of diatomics. In: Brodie, J. & Lewis, J. (eds) *Unravelling the Algae: The Past, Present, and Future of Algal Systematics*, pp. 231–265. Systematics Association Special Volume 75. Boca Raton, FL: CRC 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). Line drawings should be scanned in black and white at 600 dpi and photographs at 300 dpi (but correspond with the editor if this should prove problematic) and sent electronically with the manuscript. Please use LZW compression for tif files, remove excess space and elements from around the image, and crop or scale the image to the journal page size ( $12.5 \times 19.5$  cm to include caption). A measured scale mark should be included on each illustration to indicate magnification.

© Trustees of the Royal Botanic Garden Edinburgh

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

#### EDINBURGH JOURNAL OF BOTANY

## VOLUME 70, NO. 3 (2013)

#### **CONTENTS**

The current status of the species hitherto assigned to <i>Henckelia</i> (Gesneriaceae).	
D. J. MIDDLETON, A. WEBER, T. L. YAO, S. SONTAG & M. MÖLLER	385
Ochotonophila flava (Caryophyllaceae), a new species from central Afghanistan.	
W. B. Dickoré, C. Schloeder, M. Jacobs, T. Spribille & H. Freitag	405
Resolution of the Hiraea cephalotes complex (Malpighiaceae).	
C. E. Anderson	413
Typification of names of Brazilian and Caribbean species of Calyptranthes	
(Myrtaceae – Myrciinae). A. C. Araújo & E. Lucas	433
Camellia oconoriana (Theaceae), a new species from Vietnam.	
G. Orel, P. G. Wilson, A. S. Curry & Luu Hong Truong	439
A new name for an endemic Jamaican species of Renealmia L.f. (Zingiberaceae).	
P. J. M. Maas, J. F. Veldkamp & M. Newman	449
Rotala kasaragodensis (Lythraceae), a new species from Kerala, India.	
K. S. Prasad & K. Raveendran	451
Four new species of Cyrtandra (Gesneriaceae) from the Latimojong Mountains,	
South Sulawesi. R. E. Bone & H. J. ATKINS	455
A study in an area of transition between seasonally dry tropical forest and	
mesotrophic cerradão, in Mato Grosso do Sul, southwestern Brazil.	
M. L. Bueno, D. R. Neves, A. T. Oliveira Filho, C. R. Lehn & J. A. Ratter	469
Lectotypification of <i>Phanera macrostachya</i> Benth. (Leguminosae:	
Caesalpinioideae). S. BANDYOPADHYAY	487
Book review	
Etlingera of Sulawesi, by A. D. Poulsen	491
Reviewers for Volume 70	493
Index to Volume 70	495
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.

**Cambridge Journals Online** 

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



MIX
Paper from
responsible sources
FSC® C013436

