

# EDINBURGH JOURNAL OF BOTANY

---

AN INTERNATIONAL JOURNAL OF PLANT  
SYSTEMATICS AND BIODIVERSITY

VOLUME 67, No. 1



ISSN: 0960-4286

EDITORIAL BOARD

- |   |   |
|---|---|
| Dr David Middleton<br>(Editor)<br><i>Royal Botanic Garden Edinburgh</i>                           | Dr Mark Hughes<br><i>Royal Botanic Garden Edinburgh</i>             |
| Professor John Raven FRSE FRS<br>(Chairman of the Editorial Board)<br><i>University of Dundee</i> | Dr Kathleen Kron<br><i>Wake Forest University</i>                   |
| Dr Gemma Bramley<br><i>Royal Botanic Gardens, Kew</i>   | Professor John McNeill<br><i>Royal Botanic Garden Edinburgh</i>     |
| Dr Brian Coppins<br><i>Royal Botanic Garden Edinburgh</i>   | Dr Robert Mill<br><i>Royal Botanic Garden Edinburgh</i>             |
| Dr John Edmondson<br><i>Linnean Society of London</i>   | Dr Mark Newman<br><i>Royal Botanic Garden Edinburgh</i>             |
| Dr Peter Gibbs<br><i>University of St Andrews</i>   | Dr Ary T. Oliveira-Filho<br><i>Universidade Federal de Lavras</i>   |
| Professor Dr Adil Güner<br><i>Nezahat Gökyigit Botanik Bahcesi<br/>Istanbul</i>                   | Dr George Staples<br><i>Singapore Botanic Gardens</i>               |
| Dr David Harris<br><i>Royal Botanic Garden Edinburgh</i>  | Professor Peter Stevens<br><i>Missouri Botanical Garden</i>         |
| Dr Peter Hollingsworth<br><i>Royal Botanic Garden Edinburgh</i>                                   | Professor Khoon-Meng Wong<br><i>University of Malaya</i>            |
| Professor Hu Chi-Ming<br><i>South China Botanical Institute</i>                                   | Dr Rebecca Yahr<br><i>Royal Botanic Garden Edinburgh</i>            |
|   | <i>Copy-editor: Erica Schwarz<br/>(www.schwarz-editorial.co.uk)</i> |

SUBSCRIPTIONS

*Edinburgh Journal of Botany* (ISSN 0960-4286) is published three times a year in March, July and November. Three parts form a volume. The subscription price of volume 67 (which includes electronic access and postage, but excludes VAT) is £200.00 (US \$380.00 in the USA, Canada and Mexico). The electronic-only price available to institutional subscribers is £168.00 (US \$320.00 in the USA, Canada and Mexico). Single parts are £66.00 net (US \$129.00 in the USA, Canada and Mexico) plus postage. EU subscribers (outside the UK) who are not registered for VAT should add VAT at their country's rate. VAT registered subscribers should provide their VAT registration number. Japanese prices for institutions are available from Kinokuniya Company Ltd, P.O. Box 55, Chitose, Tokyo 156, Japan. Prices include delivery by air. Orders, which must be accompanied by payment, may be sent to a bookseller, subscription agent or direct to the publisher: Cambridge University Press, The Edinburgh Building, Shaftesbury Road, Cambridge CB2 8RU, UK; or in the USA, Canada and Mexico: Cambridge University Press, 100 Brook Hill Drive, West Nyack, New York 10994-2133, USA. Copies of the journal for subscribers in the USA, Canada and Mexico are sent by air to New York to arrive with minimum delay.

COPYING

The *Journal* is registered with the Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923, USA. Organisations in the USA who are also registered with C.C.C. may therefore copy material (beyond the limits permitted by sections 107 and 108 of U.S. Copyright law) subject to payment to C.C.C. of the per-copy fee of \$16.00. This consent does not extend to multiple copying for promotional or commercial purposes. Code 0960-4286/2010/\$16.00.

ISI Tear Sheet Service, 3501 Market Street, Philadelphia, Pennsylvania 19104, USA, is authorised to supply single copies of separate articles for private use only.

Organisations authorised by the Copyright Licensing Agency may also copy material subject to the usual conditions.

For all other use of material from the *Journal* permission should be sought from Cambridge or from the American Branch of Cambridge University Press.

Information on *Edinburgh Journal of Botany* and all other Cambridge journals can be accessed via <http://www.cambridge.org/>.

Disclaimer: The views expressed in *Edinburgh Journal of Botany* do not necessarily reflect those of the Editorial Board or of the Royal Botanic Garden Edinburgh.

Typeset by TNQ, India. Printed by Latimer Trend, Plymouth, UK.

© Trustees of the Royal Botanic Garden Edinburgh (2010).