

# EDINBURGH JOURNAL OF BOTANY

---

AN INTERNATIONAL JOURNAL OF PLANT  
SYSTEMATICS AND BIODIVERSITY

VOLUME 52, No.1



EDITORIAL BOARD

Professor John Raven FRSE FRS  
(Editor-in-Chief/Chairman)  
*University of Dundee*

Dr Brian Coppins  
(Senior Editor)  
*Royal Botanic Garden Edinburgh*

Norma Gregory and Erica Schwarz  
(Production Editors)  
*Royal Botanic Garden Edinburgh*

Henry Noltie  
(Book Review Editor)  
*Royal Botanic Garden Edinburgh*

Dr Paul Cannon  
*International Mycological Institute, Egham*

Professor Hu Chi-ming  
*South China Botanical Institute, Guangzhou*

Professor Geoffrey Dixon  
*The Scottish Agricultural College, Auchincruive*

Dr Peter Gibbs  
*University of St Andrews*

Professor Per Magnus Jørgensen  
*University of Bergen*

Dr Kathleen Kron  
*Wake Forest University, Winston-Salem*

David Long  
*Royal Botanic Garden Edinburgh*

Professor John McNeill  
*Royal Ontario Museum, Toronto*

Dr Robert Mill  
*Royal Botanic Garden Edinburgh*

Dr Dan Nicolson  
*Smithsonian Institution, Washington*

Professor Franz Oberwinkler  
*University of Tübingen*

Professor Peter Raven  
*Missouri Botanical Garden, St Louis*

Professor Clive Stace  
*University of Leicester*

Professor Benito Valdés  
*University of Seville*

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 52 (which includes postage, but excludes VAT) is £75.00 (US \$125.00 in the USA, Canada and Mexico). Single parts are £27.00 net (US \$45.00 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 (including ASP delivery) are available from Kinokuniya Company Ltd, P.O. Box 55, Chitose, Tokyo 156, Japan. 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 2RU, UK; or in the USA, Canada and Mexico: Cambridge University Press, 40 West 20th Street, New York, NY 10011-4211, 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 \$11.00. This consent does not extend to multiple copying for promotional or commercial purposes. Code 0960-4286/95/\$11.00 + 10.

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.

Typeset, Printed and Bound by The Charlesworth Group, Huddersfield, UK, 01484 517077

© Trustees of the Royal Botanic Garden Edinburgh (1995).