

INSTRUCTIONS TO AUTHORS

The Lichenologist is an international journal and welcomes papers and short communications from contributors anywhere in the world on any aspect of lichenology.

Manuscripts must be original, clearly and precisely presented in English and electronic versions submitted to *The Lichenologist* ScholarOne website <<http://mc.manuscriptcentral.com/lich>> following the on-screen instructions. Please note that submission must be done from *The Lichenologist* ScholarOne account belonging to the Corresponding Author. Authors submitting a manuscript do so on the understanding that, if it is accepted, copyright of the paper will be assigned exclusively to the publisher (see Copyright below).

Key words. Supply 3–6 key words or phrases in addition to those in the title.

Text. This must be word processed on A4 (210×297 mm) or letter (8.5×11 inch) in double spacing with 2.5 cm margins all round. On all points of style concerning text and tables consult recent copies of the journal. Complete scientific names (genus, species and authority) must be cited at first mention. Thereafter the generic name may be abbreviated to the initial except at the beginning of a sentence or where the abbreviation might result in confusion with other genera. Recent issues should be consulted for layout of new species, new combinations, synonymy and lists of specimens examined. Examples of style are given below. All nomenclatural novelties must be deposited in MycoBank <<http://www.mycobank.org>> and the MycoBank number included after the taxon name; this is intended to minimize future confusion and make taxonomic data more widely available. A short diagnosis, in either Latin or English, should follow the MycoBank number. This should be a statement of that which in the opinion of the author distinguishes the new taxon from other taxa. The spelling of locality names in the British Isles and abroad must follow the most recent editions of maps published by the Ordnance Survey and *The Times Atlas of the World*, respectively.

Examples of style employed in

(a) description of new species:

Fissurina immersa B. O. Sharma,

Khadilkar & Makhija sp. nov.

MycoBank No.: MB561855

Similis *F. inabensis* sed differt ascosporis minoribus et acido norstictico continente.

Typus: India, Karnataka, Mudigiri, 26 January 1980, P. G. Patwardhan 80.92 (AMH—holotypus).

(b) citation of described species or new combinations:

Pyrenopsis furfurea (Nyl.) Th. Fr.

Bot. Notiser 1866: 58 (1866); type: Scotland, Ben Lawers, 1864, Jones (H-NYL 42916—lectotype; BM—isolectotype).

Pyrenopsidium terrigenum (Th. Fr.) Forss., *Nova Acta R. Soc. Scient. Upsal.* ser. 3, 13(6): 81 (1985).—*Pyrenopsis haematopsis* (Sommerf.) β . *terrigena* Th. Fr. in Hellbom, *Öfvers. K. Vetens Akad. Forh.* 22(6): 478 (1865); type:

Sweden, Lule Lappmark, Skarfi, 1864, Hellbom (UPS—holotype).

(c) citation of specimens examined:

Long lists of citations are discouraged. Data should be reproduced as either maps or lists containing only data essential for locating specimens and collecting sites. Complete lists, with the above format, can be deposited with appropriate Institutions, and their location noted in the text.

Selected specimens examined. **British Isles:** Scotland: V.C.96, Easternness: Abernethy Forest, near Forest Lodge, 38/01.16, on *Pinus* lignum, 1975, Coppins [2199] & Rose (BM, E).—**Germany:** Bayern: Allgauer Alpen, 1957, Schoppel & Poelt [Poelt, *Lichenes Alpinum* no. 56] (H).—**Australia:** Tasmania: Weindorfers Forest, 41°38'S, 145°56'E, 920 m, 1988, Kanvilas 68/88 (E); Cox Bight, behind west beach, sea-level, 1985, J. A. Elix 20945 (ANUC). Victoria: Bellef Creek, c. 1800 m, 5 vi 1983, M. E. Hale (HO).

Tables. These must be self-explanatory and each presented on separate pages outside the main text. A short title should be provided with any additional information contained in footnotes. Vertical columns should be separated by spacing; vertical lines must be avoided.

Figures. Refer to all drawings, diagrams, graphs and photographs as figures. These should be of the highest quality and suitable for direct reproduction after reduction where appropriate. Each figure should be presented as a separate file. Plan figures to appear within a single column (67 mm) or for reproduction across two columns (139 mm).

Drawings, diagrams and graphs. Preferred symbols for graphs are ●, ○, ■, □, ▲, △; keys to symbols, etc. should be given in figure legends. Tick marks should be placed inside the axes of graphs and the use of greyscales should be avoided.

Photographs (colour or black and white) should be submitted at the size they will appear. Note that there is a charge for colour printing (see **Charges** below). At the Senior Editor's discretion, images can be published in colour online free of charge while the hard copy appears in black and white, provided that colour is not essential for the interpretation of the paper. In such cases the colour and black and white reproductions must be from the same image file. This facility will be largely restricted to morphological and anatomical images since greyscale graphics are discouraged.

Subdivisions of figures should be labelled with capital letters, e.g. A, B, C, etc. All legends for figures should be provided on a separate page to be included with the text of the paper after the references.

Format for supplying electronic artwork.

To ensure that your figures are reproduced to the highest possible standards and your article is published as quickly and efficiently as possible, we recommend the following formats and resolutions for supplying electronic figures.

Please ensure that your figures are saved at final publication size and are in our recommended file formats.

Line artwork (e.g. graphs, drawings histograms, diagrams)

Format: tif or eps

Colour mode: black and white (also known as 1-bit)

Resolution: 1200 dpi

Size: please size to final publication size

Combination artwork (line/tone)

Format: tif or eps

Colour mode: grayscale (also known as 8-bit)

Resolution: 800 dpi

Size: please size to final publication size

Black and white halftone artwork (e.g. photographs)

Format: tif

Colour mode: grayscale (also known as 8-bit)

Resolution: 300 dpi

Size: please size to final publication size

Colour halftone artwork (e.g. photographs)

Format: tif

Colour mode: CMYK colour

Resolution: 300 dpi

Size: please size to final publication size

References. Citations in the text should take the form: Green & White (2004) or (Brown 1999*a, b*, 2001; Smith & Jones 1999). Multiple citations should be ordered chronologically. When papers are by three or more authors, give only the name of the first author followed by *et al.* (e.g. Halonen *et al.* 1998) throughout the text. At the end of the text, list the references alphabetically using the following standard forms:

Scherrer, S. & Honegger, R. (2003) Inter- and intra-specific variation of homologous hydrophobin (*HI*) gene sequences among *Xanthoria* spp. (lichen-forming ascomycetes). *New Phytologist* **158**: 375–389.

Øvstedal, D. O. & Smith, R. I. L. (2001) *Lichens of Antarctica and South Georgia. A Guide to their Identification and Ecology*. Cambridge: Cambridge University Press.

Lumbsch, H. T. (2002) Analysis of phenolic products in lichens for identification and taxonomy. In *Protocols in Lichenology: Culturing, Biochemistry, Ecophysiology and Use in Biomonitoring* (I. Kranner, R. P. Beckett & A. K. Varma, eds): 281–295. Berlin: Springer.

Muggia, L., Schmitt, I., Blaha, J., Rankl, J. & Grube, M. (2006) Evolution of polyketide synthases in lichens. In *Abstracts of the 8th International Mycological Congress, 21–25 August, 2006, Cairns, Australia*, p. 167.

Murtagh, G. J. (1999) *Sex and variation in lichen-forming fungi*. Ph.D. thesis, University of Nottingham.

References should be listed in alphabetic sequence with: single authors, by date; two authors, alphabetically, then by date; three or more authors by date only. When papers are by more than ten authors, give the names of only the first ten followed by “*et al.*”.

Abbreviations, etc. For guidance on units, symbols, chemical nomenclature and abbreviations consult author guideline for the *The New Phytologist*.

Copyright. Authors submitting a manuscript do so on the understanding that if it is accepted for publication, copyright in the article, including the right to reproduce the article in all forms and media, shall be assigned exclusively to the British Lichen Society. The Copyright Transfer Agreement, a copy of which is sent with the proofs or can be found on the journal home page listed on the back cover, should be signed by the appropriate person(s) and should accompany the original submission of a manuscript to this journal. The transfer of copyright does not take effect until the manuscript is accepted for publication. Copyright in the paper for the United States of America shall be assigned to the Society. It is the policy of the publisher that authors need not obtain permission in the following cases only: (1) to use their original figures or tables in their future works; (2) to make copies of their papers for use in their classroom teaching; and (3) to include their papers as part of their dissertations.

Offprints. In consideration for the assignment of copyright, the Society will supply 25 offprints and a pdf file of each paper or Short Communication but not of Book Reviews. Further reprints can be ordered at extra cost directly from Cambridge University Press when the author returns the proofs of their article.

Charges. Page charges are not levied. Authors are responsible for the cost of coloured illustrations. However, the Senior Editor is often able to offer a subsidy from British Lichen Society funds to its members who find that they have insufficient money to meet the full cost of colour printing. Authors should consult the Senior Editor regarding current charges and possible subsidies.

Book Reviews. Books dealing with any aspect of lichenology will be reviewed. Publishers wishing to have works reviewed in *The Lichenologist* should send them to Dr D. J. Hill, Yew Tree Cottage, Yew Tree Lane, Compton Martin, Bristol, BS40 6JS, UK, in the first instance.

Notice: While the Senior Editor and Editors endeavour to check the accuracy of statements in contributions in as far as they are able, it should be emphasized that views expressed in papers in *The Lichenologist* are those of their authors and do not necessarily represent those of the British Lichen Society, Cambridge University Press, the Senior Editor, or the members of the Editorial Board.

BRITISH LICHEN SOCIETY

OFFICERS AND CONTACTS 2014

President

J. M. Simkin, Ph.D., 41 North Road, Ponteland, Newcastle-upon-Tyne, NE20 9UN

Vice President

A. Pentecost, D. Sc., The Old House, Storth Road, Storth, Cumbria, LA7 7NS

Secretary

C. J. Ellis, Ph.D., Royal Botanic Garden Edinburgh, 20A Inverleith Row, Edinburgh, Lothian EH3 5LR (email: c.ellis@rbge.ac.uk)

Treasurer

J. F. Skinner, 28 Parkanaur Avenue, Southend-on-Sea, Essex SS1 3HY

Assistant Treasurer and Membership Secretary

H. Döring, Ph.D., Mycology Section, Royal Botanic Gardens, Kew, Richmond, Surrey TW9 3AB, (email: h.doring@kew.org)

Regional Treasurers

J. W. Hinds, Ph.D., 254 Forest Avenue, Orono, Maine 04473-3202, USA (Americas)

Senior Editor (Lichenologist)

P. D. Crittenden, Ph.D., School of Life Sciences, The University of Nottingham, University Park, Nottingham NG7 2RD

Editor (Bulletin)

P. F. Cannon, Ph.D., CABI and Royal Botanic Gardens Kew; postal address Royal Botanic Gardens, Kew, Richmond, Surrey TW9 3AB

Conservation Officer

B. W. Edwards, Dorset Environmental Record Centre, Library Headquarters, Colliton Park, Dorchester, Dorset DT1 1XJ

Mapping Recorder and Archivist

M. R. D. Seaward, D.Sc., F.L.S., F.I.Biol., Department of Environmental Science, The University, Bradford, West Yorkshire BD7 1DP

Librarian

R. G. Woods, B.Sc., Ty Mawr Mill, Llanfihangel Brynpabuan, Builth Wells, Powys LD2 3SH

Curator

R. K. Brinklow, B.Sc., c/o Dundee Museums and Art Galleries, Albert Square, Dundee DD1 1DA, www.herbarium@britishlichensociety.org.uk

Field Meetings Secretary

S. G. Price, Woodlands, Combs Road, Combs, High Peak, Derbyshire SK23 9UP

Members of Council

J. A. Bailey J. R. Douglass T. E. Greenaway L. Knight M. M. Putnam
S. Quin A. J. Silverside C. Tregaskes P. A. Wolseley

Membership of the British Lichen Society is open to all individuals (not institutions) anywhere in the world interested in any part of lichenology. Subscriptions, due on joining and afterwards on 1 January each year, are: ordinary members, £30; electronic members, £25; associate members, £22; senior associate members, £10; junior associate members, £5.00 (US dollar rates are double the sterling rates). Members receive the *Bulletin* of the British Lichen Society and issues of *The Lichenologist* published in the year they join, and afterwards while they remain members of the Society, free of charge. Associate members do not receive *The Lichenologist*. Details of the membership, facilities and activities of the Society and an application form may be found on the British Lichen Society web site at <http://www.theBLS.org.uk> or obtained from the Membership Secretary (address above).

Editorial		245
Articles		
GALLOWAY, D. J.	John Lightfoot (1755–1788) and the lichens of <i>Flora Scotica</i> (1777)	247
LÜCKING, R, BARRIE, F. R. and GENNEY, D.	<i>Dictyonema coppinsii</i> , a new name for the European species known as <i>Dictyonema interruptum</i> (Basidiomycota: Agaricales: Hygrophoraceae), with a validation of its photobiont <i>Rhizonema</i> (Cyanoprokaryota: Nostocales: Rhizonemataceae)	261
ORANGE, A.	<i>Porpidia irrigua</i> , a new species related to <i>P. contraponenda</i>	269
EKMAN, S. and SVENSSON, M.	<i>Brianaria</i> (Psoraceae), a new genus to accommodate the <i>Micarea sylvicola</i> group	285
VAN DEN BOOM, P. P. G. and ERTZ, D.	A new species of <i>Micarea</i> (Pilocarpaceae) from Madeira growing on <i>Usnea</i>	295
HAFELLNER, J., OBERMAYER, W. and TRETIACH, M.	<i>Miriquidica invadens</i> , an obligate youth parasite on <i>Sporastatia</i> , with remarks and a key to species of the <i>M. griseoatra</i> group	303
DIEDERICH, P., LAWREY, J. D., CAPDET, M., PEREIRA, S., ROMERO, A. I., ETAYO, J., FLAKUS, A., SIKAROODI, M. and ERTZ, D.	New lichen-associated bulbil-forming species of <i>Cantharellales</i> (Basidiomycetes)	333
KANTVILAS, G.	New species of the genus <i>Rimularia</i> Nyl. from Tasmania	349
APTROOT, A. and CÁ CERES, M. E. da S.	New lichen species from termite nests in rainforest in Brazilian Rondônia and adjacent Amazonas	365
SPRIBILLE, T., TØNSBERG, T., STABENTHEINER, E. and MUGGIA, L.	Reassessing evolutionary relationships in the filamentous cyanolichen genus <i>Spilonema</i> (Peltigerales, Lecanoromycetes)	373
FRYDAY, A. M. and HERTEL, H.	A contribution to the family <i>Lecideaceae</i> s. lat. (Lecanoromycetidae <i>inc. sed.</i> , lichenized Ascomycota) in the southern subpolar region; including eight new species and some revised generic circumscriptions	389
BRAND, A. M., VAN DEN BOOM, P. P. G. and SÉRUSIAUX, E.	Unveiling a surprising diversity in the lichen genus <i>Micarea</i> (Pilocarpaceae) in Réunion (Mascarenes archipelago, Indian Ocean)	413
PRINTZEN, C.	A molecular phylogeny of the lichen genus <i>Biatora</i> including some morphologically similar species	441
BLASY, V. and ELLIS, C.	Life on deadwood: cut stumps as a model system for the succession and management of lichen diversity	455
BRITTON, A. J., MITCHELL, R. J., POTTS, J. M. and GENNEY, D. R.	Developing monitoring protocols for cost-effective surveillance of lichens	471
Short Communication		
HOGAN, E. J. and CRITTENDEN, P. D.	The effect of the reproductive state on the growth rate of <i>Cladonia portentosa</i>	485

The Lichenologist, Vol. 46, Part 3 was published on 12 May 2014

Cambridge Journals Online

For further information about this journal and our **Open Access** option please go to the journal website at: journals.cambridge.org/lic

CAMBRIDGE
UNIVERSITY PRESS

CAMBRIDGE

JOURNALS

Edinburgh Journal of Botany

An International Journal of Plant Systematics and Biodiversity

Published on behalf of the Royal Botanic Garden Edinburgh

Senior Editor

David J. Middleton, Royal Botanic Garden, Edinburgh, UK

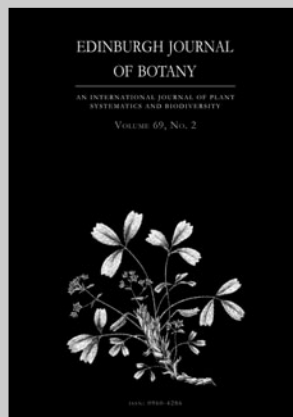
Edinburgh Journal of Botany is an international journal of plant systematics and related aspects of bio-diversity, conservation science and phytogeography. It covers all groups of plants and fungi and publishes contributions on all geographic areas, although it is particularly valued for its articles on South East and South West Asian, Sino-Himalayan and Brazilian biodiversity. Papers linking traditional and modern taxonomic techniques are especially encouraged, and commissioned book reviews and review articles are also included. There is an international editorial board of wide-ranging expertise delivering a high quality, fully illustrated journal.

Price information

is available at: <http://journals.cambridge.org/ejb>

Free email alerts

Keep up-to-date with new material – sign up at
<http://journals.cambridge.org/ejb-alerts>



Edinburgh Journal of Botany is available online at:
<http://journals.cambridge.org/ejb>

To subscribe contact Customer Services

in Cambridge:

Phone +44 (0)1223 326070
Fax +44 (0)1223 325150
Email journals@cambridge.org

in New York:

Phone +1 (845) 353 7500
Fax +1 (845) 353 4141
Email
subscriptions_newyork@cambridge.org

For free online content visit:
<http://journals.cambridge.org/ejb>



CAMBRIDGE
UNIVERSITY PRESS

Experimental Agriculture

Editor

Dave Harris, *ICRISAT, Kenya*

Experimental Agriculture publishes the results of original research from any source on the agronomy of field, plantation and herbage crops grown for human or animal food; for industrial purposes; and on systems of agricultural production, particularly in the warmer regions of the world. It is especially concerned with experimental work designed to explain agronomic results in biological and environmental terms. The journal publishes accounts of new experimental techniques, new methods of crop production and discusses problems in countries where production is developing rapidly. There are regular book reviews and occasional, often invited, reviews of research.

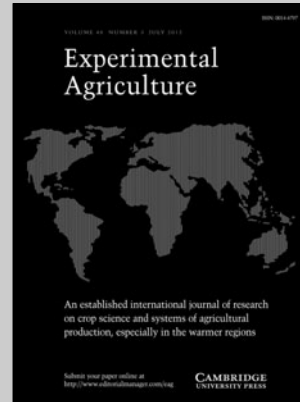
For free online content visit:

<http://journals.cambridge.org/eagsample>

Free email alerts

Keep up-to-date with new content

<http://journals.cambridge.org/eag-alerts>

**Experimental Agriculture**

is available online at:

<http://journals.cambridge.org/eag>

**To subscribe contact
Customer Services****Americas:**

Phone +1 (845) 353 7500

Fax +1 (845) 353 4141

Email

subscriptions_newyork@cambridge.org

Rest of world:

Phone +44 (0)1223 326070

Fax +44 (0)1223 325150

Email journals@cambridge.org

Price Information

is available at:

<http://journals.cambridge.org/eag>



CAMBRIDGE
UNIVERSITY PRESS