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.

Manuscript Submission

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 British Lichen Society (see Copyright below).

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Scope

Papers are accepted in all areas of lichen biology. However, we do not publish the following: (1) species lists or new records unless they are of exceptional interest; (2) descriptions of new species unaccompanied by additional information placing these in a wider context (e.g. detailed comparisons with similar species, phylogenetic analysis, key to the genus or group, biogeographical analysis); (3) descriptions of new chemical entities that lack a biological context (i.e. of a purely phytochemical nature); (4) reports of biological activity of lichen extracts or specific metabolites that lack a lichen biology context (e.g. that relate only to drug discovery).

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 (d.j.hill@bristol.ac.uk), in the first instance.

Manuscript Format

Abstract. This should contain a short summary of the work reported in the paper sufficient to inform a reader who does not have sight of the full paper. If the paper describes one or more new taxa then the Abstract should report their principal distinguishing characteristics (e.g. "*Bryonora granulata* Fryday, with a finely granular thallus containing perlatolic acid"). If the paper reports experimental or survey data then, if appropriate, include headline values.

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 a designated data repository (e.g. MycoBank <http://www.mycobank.org>, Index Fungorum <http://www.indexfungorum.org>, Fungal Names <http://fungalinfo.im.ac.cn>) and the accession 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 repository number. This should be a statement of that which in the opinion of the author distinguishes the new taxon from other taxa. A full and accurate description of the species should follow the diagnosis. 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.

Please see examples below regarding description and citation of species/specimens:

(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. Förh.* **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 below format, can be deposited with appropriate Institutions, and their location noted in the text, or could be provided in Supplementary Information.

Selected specimens examined. **British Isles**: *Scotland*: **V.C.96**, Easterness: 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, *Kantvilas* 68/88 (E); Cox Bight, behind west beach, sea-level,1985, *J. A. Elix* 20945 (ANUC). *Victoria*: Bellel 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. Graphs should ideally be prepared using specialist graphics packages such as Sigma Plot or Prism. Graphs can either have *x* and *y* axes only or can have both top and bottom and left and right hand axes (i.e. boxed). Axes and tick marks should be 1mm thick with tick marks 2-3 mm long and inward pointing. Axis and tick mark labels should be in Times New Roman (not bold). Preferred symbols for graphs are ○; ●; □; ■; ∆; ▲; keys to symbols, etc, should be given in figure captions. Where multiple graphs are grouped into a single figure, any axes with common labelling (including tick labels where relevant) need only be labelled once (e.g. the lowermost *x* axis if those of all graphs in a column have the same units and descriptions) and the figure should be consolidated by positioning the individual graphs closer together; consult a recent copy of *The Lichenologist* for examples. Colour should not be used in graphics unless the figure is intended to be printed in colour.

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 their interpretation. 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, and separated by white lines no more than 1–1.5 mm wide. All *legends* for figures should be provided on a separate page to be included with the text of the paper after the references.

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

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Black and white halftone artwork (e.g. photographs)
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Colour halftone artwork (e.g. photographs) Format: tif
Colour mode: CMYK colour
Resolution: 300 dpi
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References. Citations in the text should take the form: Green & White (2014) or (Brown 1999*a*, *b*, 2009; Smith & Jones 2015). 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:

Gauslaa, Y., Coxson, D. & Solhaug, K. A. (2012) The paradox of higher light tolerance during desiccation in rare old forest cyanolichens than in more widespread co-occurring chloro- and cephalolichens. *New Phytologist* **195:** 812–822.

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.

Wetmore, C.M. (2007) *Caloplaca*. In: *Lichen Flora of the Greater Sonoran Desert Region Vol. III* (T.H. Nash, III, C. Gries & F. Bungartz, eds): 179–220. Tempe, Arizona: Lichens Unlimited, Arizona state University.

Sohrabi, M. & Leavitt, S. (2012) Current status of the phylogeny of the family *Megasporaceae*. In *Abstracts of the 7th International Association for Lichenology Symposium, 9–13 January, 2012, Bangkok, Thailand*, p. 151.

Hogan, E.J. (2009) *Nitrogen-phosphorus relationships in lichens*. 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 guidelines for *The New Phytologist*.

Data Archiving

Nomenclatural novelties must be deposited in a designated repository (see above) and new gene sequences must be deposited in a recognized data base such as GenBank or the European Nucleotide Archive. Molecular data sets should be archived in repositories such as Dryad or TreeBase. We encourage authors of physiological and ecological papers to archive their raw data in an appropriate repository; alternatively they can provide these as Supplementary Information.

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Index Volume 48 (2016)

See also bespoke index to thematic issue on *Trypetheliaceae* (pp.995–1011)

New taxa in **bold** and new combinations marked with an asterisk

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Articles

Short Communication

Book review

Erratum

Vol.48, Part 4 July 2016

Articles

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Articles

Short Communication

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