

BRITISH LICHEN SOCIETY
OFFICERS AND CONTACTS 2023

President

N. Sanderson, M.Sc., 3 Green Close, Woodlands, Southampton SO40 7HU

Vice President

F. Newbery, Ph.D., Gwelfro, Pennant, Llanon, Ceredigion SY23 5JQ

Secretary

E. H. Smith, M.Sc., F.L.S., Tutnall House, Claines Lane, Worcester WR3 7RN

Treasurer

D. Wright, B.A., 14 Barentin Way, Petersfield, Hampshire GU31 4QN

Senior Editors (Lichenologist)

C. J. Ellis, Ph.D., Royal Botanic Garden Edinburgh, 20A Inverleith Row, Edinburgh EH3 5LR

L. Myllys, Ph.D., Finnish Museum of Natural History, Botany Unit,
PO Box 7, FI-00014 University of Helsinki, Finland

Editor (Bulletin)

M. M. Putnam, B.Sc., 26 Beach Road, Hele Bay, Ilfracombe, Devon EX34 9QZ

Conservation Officer

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

Archivist

M. R. D. Seaward, D.Sc., F.L.S., School of Archaeological & Forensic Sciences,
The University of Bradford, West Yorkshire BD7 1DP

Librarian

T. E. Greenaway, M.Sc., Cilgattw, Felingwm, Carmarthen SA32 7QA

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

G. Boswell, Base Lodge, 16 The Parks, Minehead TA24 8BS

Trustees

P. Cannon (Chair)	J. Allinson	A. Cross	E. Gaya	
H. Plaisier	J. M. Simkin	J. Skinner	G. Weerakoon	R. Yahr

Membership of the British Lichen Society is open to all individuals (not institutions) anywhere in the world interested in any aspect of lichenology. Subscriptions, due on joining and afterwards on 1 January each year, are: Regular membership without *The Lichenologist* £30; Regular membership with *e-Lichenologist* £40; Regular membership with print *The Lichenologist* £45; Discounted (student and senior) membership without *The Lichenologist* £15; Discounted membership with *e-Lichenologist* £25; Discounted membership with print *The Lichenologist* £30. All members receive the Society's twice-yearly Bulletin. Details of the Society, including membership, may be found on the Society's website www.britishlichensociety.org.uk or obtained from the Membership Secretary (membership@britishlichensociety.org.uk).

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

Printed in Great Britain by Henry Ling Limited, The Dorset Press, Dorchester, DT1 1HD.

Editorial

L. MUGGIA, S. MARTELLO and M. TRETIACH

A Special Issue dedicated to Professor Pier Luigi Nimis

151

Laudatio

M. TRETIACH

Pier Luigi Nimis: a life for lichens

153

Perspective

L. ZEDDA

The importance of a transformative biodiversity education for perceiving, appreciating and supporting lichen diversity in German urban environments

161

Standard Papers

T. R. KINGE, J. M. JEFWA, R. D. HOUDANON, H. M. KAMALEBO, A. M. ABDEL-AZEEM, M. GRZENHOUT, D. TRIEBEL, T. WEIBULAT and G. RAMBOLD
R. LÜCKING, B. MONCADA and M. DAL FORNO
S. MUNZI, D. ISOCRONO and S. RAVERA

Management and publication of scientific data on traditional mycological and lichenological knowledge in Africa

169

A. YÁNEZ-AYABACA, Á. BENÍTEZ, R. B. MOLINA, D. NARANJO, J. ETAYO, M. PRIETO, G. CEVALLOS, E. CAICEDO, K. SCHARNAGL, B. MCNERLIN, S. SWANSON, G. ARAGÓN, N. FERNÁNDEZ-PRADO, I. MARTÍNEZ, A. R. BURGÁZ, Y. GONZÁLEZ, J. DÉLEG, M. VEGA, P. VAN DEN BOOM, N. MAGAIN, F. NUGRA, T. OÑA, P. J. DÍAZ, J. VILLALBA-ALEMÁN, B. MONCADA, J. HERNÁNDEZ, E. E. GILBERT and F. BUNGARTZ
S. FREIRE-RALLO, P. DIEDERICH, A. M. MILLANES and M. WEDIN
J. HAFELLNER and M. GRUBE

PhyloKey: a novel method to rapidly and reliably identify species in complex, species-rich genera, and an opportunity for 'non-molecular museomics'

181

Can we trust iNaturalist in lichenology? Evaluating the effectiveness and reliability of artificial intelligence in lichen identification

193

Towards a dynamic checklist of lichen-forming, lichenicolous and allied fungi of Ecuador – using the *Consortium of Lichen Herbaria* to manage fungal biodiversity in a megadiverse country

203

Five new species in the *Tremella caloplacae* complex

223

Arthonia epipolytropa and *Arthonia subclemons*, two new lichenicolous species on *Lecanora polytropa*, with a key to the microfungi known on this common species

241

Phylogenetic insight into the *Lecidea atrobrunnea* complex – evidence of narrow geographic endemics and the pressing need for integrative taxonomic revisions

253

Using morphological, chemical, and molecular data to study the diversity of *Xanthoparmelia* species from South Africa (*Ascomycota*, *Parmeliaceae*)

265

High diversity of *Bacidia* (*Ramalinaceae*, *Lecanorales*) species in the Caucasus as revealed by molecular and morphological analyses

275

The genus *Schaereria* Körb. in Australia

297

Coenogonium nimisii – a new isidiolate epiphytic lichen similar to *Porina rosei*

305

Towards a nomenclatural clarification of the *Peltigera ponjensis/monticola* clade including metagenomic sequencing of type material and the introduction of *P. globulata* Miadl. & Magain sp. nov.

315

A distinctive new species of *Biatora* (*Ramalinaceae*, *Lecanorales*) described from native European forests

325

Nimisora (*Lecanoraceae*, *Ascomycota*), a new genus for a common lecidoid epiphytic species from the central Iberian Peninsula

335

Independent, structurally distinct transitions to microfruticose growth in the crustose genus *Porina* (*Ostropales*, *Lecanoromycetes*): new isidioid species from south-western Florida

347

Circinaria nimisii (*Megasporaceae*, lichenized *Ascomycota*), a new manna lichen from Greece

367

Marchantiana pyramus, *M. ramulicola* and *Austroplaca thisbe* (*Teloschistaceae*, lichenized *Ascomycota*) – three new twig lichens from southern Patagonia

377

Punctelia borreii and *P. subrudecta* (*Parmeliaceae*) associate with a partially overlapping pool of *Trebouxia gelatinosa* lineages

389

Growth-dependent acclimation constrains climatic response for the lichen epiphyte *Lobaria pulmonaria*

401

An ecological investigation on lichens and other lithobionts colonizing rock art in Valle Camonica (UNESCO WHS n. 94) addresses preventive conservation strategies

409

Natura 2000 network enhances the protection of rare epiphytic lichens: evidence from forest sites of Central Italy

423

Species–area relationship in lichens tested in protected areas across Italy

431

Short Communication

H. J. M. SIPMAN and Á. RAMÍREZ ORDAYA

An ITS sequence of a specimen from the probable *locus classicus* of *Ramalina peruviana* and its consequences

437

The Lichenologist, Vol. 55, Part 5 was published on 22 September 2023

Cambridge Core

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

