

Recent literature on lichens—274

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- Abkouh, A. S. K., A. Iranbakhsh, M. H. Moniri & Y. Asri. 2022. New records of five *Staurothele* species (Verrucariaceae, Ascomycota) from Iran. *Acta Biologica Szegediensis* 66(1): 57–61.
- Adida, A., M. Griffith, M. Kirby & A. Lin. 2021. Effect of patch size on species richness and distribution of sub-alpine saxicolous lichens. *California Ecology and Conservation Research* 5(5): 1–7.
- Afshan, N., I. Fayyaz, F. Iftikhar, M. Jabeen & A. N. Khalid. 2023. A new species and a new record of the genus *Squamulea* (Telo-schistaceae, lichenized Ascomycota) from Pakistan. *The Lichenologist* 55(2): 51–58. [New: *S. chikarensis* Afshan, Fayyaz, Iftikhar & Khalid (from Pakistan).]
- Alors, D., P. K. Divakar, A. Calchera, I. Schmitt, A. Crespo & M. C. Molina. 2023. The temporal variation of secondary metabolites in the mycobiont culture and thallus of *Parmelina carporrhizans* and *Parmelina quercina* analyzed using high-performance liquid chromatography. *Separations* 10(7): 399.
- Ansil, P. A., K. C. Rajeshkumar, B. Sharma, R. Lücking & D. L. Hawksworth. 2023. Phylogenetic placement and reappraisal of *Diorygma karnatakense* including the new synonym, *Diorygma dandeliense*, from Maharashtra, India. *The Lichenologist* 55(2): 59–67. [*D. dandeliense* B. O. Sharma & Khadilkar synonymized with *D. karnatakense* B. O. Sharma & Khadilkar.]
- Aptroot, A. 2023. Lichens from the Roosevelt River Area in the Brazilian Amazon. *Microbiology Research* 14: 755–786. [New (all from Brazil): *Allographa lineatipruinosa* Aptroot, *Al. variopruinata* Aptroot, *Arthonia xanthopycnidiata* Aptroot, *Astrothelium aurantioseptemseptatum* Aptroot, *As. bulbosum* Aptroot, *As. coloratum* Aptroot, *As. Inspersonovemseptatum* Aptroot, *As. insulare* Aptroot, *As. laureroideus* Aptroot, *As. marjoleinae* Aptroot, *As. meandratum* Aptroot, *As. multireflexum* Aptroot, *As. myopicum* Aptroot, *As. parathelium* Aptroot, *As. stellare* Aptroot, *As. suprainspersum* Aptroot, *As. xanthocavatum* Aptroot, *Ocellularia fuscolichexanthonica* Aptroot, *O. lichexanthocavata* Aptroot, *Pertusaria amazonica* Aptroot, *Phaeographis xantholirellinata* Aptroot, *Porina ramiisidiata* Aptroot, *Pseudopyrenula connexa* Aptroot, *Spruceia squamulosa* Aptroot.]
- Aptroot, A. 2023. [Review] Coniocarps. Rain Shadow Specialists [Coniocarpen. Regenschaduw Specialisten] By Klaas van Dort and Bart Horvers. 2021. Published by KNNV-Afdeling Tilburg, Tilburg. *The Lichenologist* 55(2): 101.
- Audibert, C. & L. Neyton. 2023. Note on some cryptogamic collections in musée des Confluences (Lyon) [Note sur quelques collections cryptogamiques au musée des Confluences (Lyon)]. *Colligo* 2(2): 3–8. [Mentions and illustrates historical lichen specimens. In French with English abstract.]
- Bjørå, C. S., M. Bendiksbj, B. P. Løfall, L. E. Johannesen & E. Timdal. 2023. Collections of arctic plants, lichens, and fungi in the Natural History Museum, University of Oslo, Norway. *Collections: A Journal for Museum and Archives Professionals* 19(3): 293–309.
- Brinker, S. R. 2023. Further contributions to the Ontario flora of lichens and allied fungi, with emphasis on the Great Lakes Basin. *Opuscula Philolichenum* 22: 41–80.
- Buck, W. R. 2023. [Obituary] Richard Clinton Harris (1939–2021). *The Bryologist* 126(2): 191–204.
- Calatayud, V., P. Navarro-Rosinés & J. Hafellner. 2013. Contributions to a revision of *Cercidospora* (Dothideales), 2: Species on *Lecanora* s. l., *Rhizoplaca* and *Squamarina*. *Mycosphere* 4(3): 537–557. [New: *C. barrenoana* Calat. & Nav.-Ros. (on *R. peltata* from Spain), *C. melanophthalmae* Nav.-Ros., Calat. & Hafellner (on *R. melanophthalma* from Afghanistan, Armenia, France, Greenland Norway, Pakistan, Spain, Syria). Includes key to *Cercidospora* on *Lecanora* s.l., *Rhizoplaca* and *Squamarina*.]
- Cannon, P., A. Aptroot, B. Coppins, D. Ertz, N. Sanderson, J. Simkin & P. Wolseley. 2023. Arthoniales: Roccellaceae [revision 1], including the genera *Cresponea*, *Dendrographa*, *Dirina*, *Enterographa*, *Gyrographa*, *Lecanactis*, *Ocellomma*, *Pseudoschismatomma*, *Psoronactis*, *Roccella*, *Schismatomma* and *Syncesia*. *Revisions of British and Irish Lichens* 32: 1–22.
- Cannon, P., P. Divakar, R. Yahr, A. Aptroot, P. Clerc, B. Coppins, A. Fryday, N. Sanderson & J. Simkin. 2023. Lecanorales: Parmeliaceae, including the genera *Alectoria*, *Allantoparmelia*, *Arctoparmelia*, *Brodooa*, *Bryoria*, *Cetraria*, *Cetrariella*, *Cetrelia*, *Cornicularia*, *Evernia*, *Flavocetraria*, *Flavoparmelia*, *Hypogymnia*, *Hypotrachyna*, *Imshaugia*, *Melanelia*, *Melanelixia*, *Melanohalea*, *Menegazzia*, *Montanelia*, *Nesolechia*, *Parmelia*, *Parmelina*, *Parmeliopsis*, *Parmotrema*, *Platismatia*, *Pleurosticta*, *Protoparmelia*, *Pseudephebe*, *Pseudevernia*, *Punctelia*, *Raesaenenia*, *Tuckermannopsis*, *Usnea*, *Vulpicida* and *Xanthoparmelia*. *Revisions of British and Irish Lichens* 33: 1–98.
- Carlberg, T. & D. F. Stone. 2022 [2023]. *Scytinium siskiyouense* (D. F. Stone & Ruchty) Otálora, P.M. Jørg. & Wedin sponsorship for the CALS conservation committee. *Bulletin of the California Lichen Society* 29(2): 19–24.
- Chesnokov, S. V., E. A. Davydov, L. A. Konoreva, I. A. Prokopiev, L. N. Poryadina, E. V. Zheludeva & A. L. Shavarda. 2023. The

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The cumulative database for this series is available in searchable form on the World Wide Web at <http://nhm2.uio.no/botanisk/lav/RLL/RLL.HTM> with full abstracts, DOIs, and links to electronically available articles when possible. Thanks to the following: Einar Timdal for his work on the RLL database, Bill Buck for checking recently published literature and the many authors who send reprints or electronic versions of their works for inclusion.

DOI: 10.1639/0007-2745-127.3.400

- monotypic genus *Flavocetraria* and two new genera: *Cladocetraria* and *Foveolaria*, in the cetrarioid core. *Plant Systematics and Evolution* 309: 24. [New: *Cladocetraria* S.Chesnokov, I.Prokopiev & L.Konoreva (type: *C. minuscula*), *C. minuscula* (Elenkin & Savicz) S.Chesnokov, I.Prokopiev & L.Konoreva (\equiv *Cetraria cucullata* f. *minuscula* Elenkin & Savicz), *Foveolaria* S.Chesnokov, I.Prokopiev, L.Konoreva & E.A.Davydov (type: *F. nivalis*), *F. nivalis* (L.) S.Chesnokov, I.Prokopiev, L.Konoreva & E.A. Davydov (\equiv *Lichen nivalis* L.).]
- Cometto, A., S. D. Leavitt, M. Grube, S. De Hoog & L. Muggia. 2023. Tackling fungal diversity in lichen symbioses: molecular and morphological data recognize new lineages in Chaetothyriales (Eurotiomycetes, Ascomycota). *Mycological Progress* 22: 53.
- Conway, S. N. 2023. [Thesis] Macrolichen inventory of the Horse Mountain botanical area, Six Rivers National Forest, California, USA. California State Polytechnic University, Humboldt. ix, 59 pages.
- Cung, K., L. Galvan, H. Osborne & S. Spiegel. 2021. The effects of sunlight and slope on the lichen community of the Sweeney Granite Mountains reserve. *California Ecology and Conservation Research* 5(2): 1–7.
- Dart, J., K. Knudsen, E. Hodková & J. Maliček. 2022 [2023]. *Acarospora brattiae*: Current assessment of a rare western North American taxon. *Bulletin of the California Lichen Society* 29(2): 30–34.
- Drotos, K. H. I. 2023. [Dissertation] From Biomes to Genomes: Perspectives on the Lichen Symbiosis. University of Guelph, Guelph, Ontario. xxi, 163 pages.
- Elix, J. A. 2023. A new combination and new record of *Cratiria* (Caliciaceae, Ascomycota) from Papua New Guinea. *Australasian Lichenology* 93: 11–13. [New: *C. confusa* (Awasthi) Elix (\equiv *Buellia confusa* Awasthi).]
- Elix, J. A. 2023. *Buellia oevstedalii* (Caliciaceae, Ascomycota), a new buellioid lichen from Antarctica. *Australasian Lichenology* 93: 8–10. [New (from Antarctica): *B. oevstedalii* Elix.]
- Elix, J. A. 2023. Further information on species of buellioid lichens (Caliciaceae, Ascomycota) from the Subantarctic islands. *Australasian Lichenology* 93: 3–7. [New: *Amandinea bouvetii* (Øvstedal) Elix (\equiv *Buellia bouvetii* Øvstedal), *A. conioptoides* (Nyl.) Elix (\equiv *Lecidea conioptoides* Nyl.), *A. parasemopsis* (Nyl.) Elix (\equiv *L. parasemopsis* Nyl.). Lectotypified: *B. falklandica* Darb.]
- Ertz, D. & A. Tehler. 2023. New species of Arthoniales from Cape Verde with an enlarged concept of the genus *Ingaderia*. *The Lichenologist* 55(1): 1–15. [New (all new species from Cape Verde): *Ingaderia dendritica* Ertz & Tehler, *I. flexuosa* (Egea, Torrente & Mies) Ertz & Tehler (\equiv *Llimonaea flexuosa* Egea, Torrente & Mies), *I. occulta* (Egea & Torrente) Ertz (\equiv *L. occulta* Egea & Torrente), *I. placodioidea* (Ertz & Tehler) Ertz & Tehler (\equiv *Paraingaderia placodioidea* Ertz & Tehler), *I. sorediata* (Sparrius, P.James & M.A.Allen) Ertz (\equiv *Sclerophytonomyces circumscriptus* var. *sorediatus* Sparrius, P.James & M.A. Allen), *I. vandenboomii* Ertz nom. nov. pro. *I. sorediata* van den Boom non *I. sorediata* (Sparrius, P.James & M.A.Allen) Ertz, *Sparria caboverdensis* Ertz & Tehler, *Syncesia miesii* Tehler & Ertz. *Llimonaea* and *Paraingaderia* synonymized with *Ingaderia*.]
- Ertz, D. 2023. The lichens and lichenicolous fungi of the Semois valley between Bouillon and Bohan, with nineteen species new to Belgium [Les lichens et les champignons lichénicoles de la vallée de la Semois entre Bouillon et Bohan, avec dix-neuf espèces nouvelles pour la Belgique]. *Dumortiera* 121: 18–44. [In French with English abstract.]
- Fang, J., R. Mamut, L. Wang & G. Anwar. 2023. De novo mitochondrial genome sequencing of *Cladonia subulata* and phylogenetic analysis with other dissimilar species. *PLoS ONE* 18(5): e0285818.
- Fayyaz, I., K. Knudsen, R. Zulfiqar, N.-ul.-S. Afshan, F. Iftikhar, A. R. Niazi & A. N. Khalid. 2023. Taxonomic and phylogenetic study of genus *Sarcogyne* (Acarosporales, Acarosporaceae) reveals two new species from Pakistan. *Mycological Progress* 22: 45. [New (from Pakistan): *S. crispula* Afshan, Fayyaz & K.Knudsen, *S. pakistanensis* R.Zulfiqar, Khalid & K.Knudsen. Includes key for *Sarcogyne* to Asia and Europe.]
- Firdous, Q., M. F. de Souza, A. Aptroot & A. N. Khalid. 2023. Some Physciaceae lichens from Pakistan. *Lindbergia* 46: linbg.01171.
- Garrido-Benavent, I., A. de los Ríos, J. Núñez-Zapata, R. Ortiz-Álvarez, M. Schultz & S. Pérez-Ortega. 2023. Ocean crossers: A tale of disjunctions and speciation in the dwarf-fruticose *Lichina* (lichenized Ascomycota). *Molecular Phylogenetics and Evolution* 185: 107829. [New: *L. canariensis* Perez-Ort., de los Ríos & Garrido-Benavent (from Spain).]
- Gauslaa, Y. & T. Goward. 2023. Sunscreening pigments shape the horizontal distribution of pendent hair lichens in the lower canopy of unmanaged coniferous forests. *The Lichenologist* 55(2): 81–89.
- Goward, T. 1999. The lichens of British Columbia, illustrated keys. - Part 2, fruticose species. British Columbia Ministry of Forests, Special Report 9: i–v, 1–319.
- Goyette, S., V. Spirin & T. Spribille. 2023. Systemic infection of *Bryoria* (Lecanoromycetes, Ascomycota) by *Athelia* (Agaricomycetes, Basidiomycota) in western North America. *Mycologia* 115: 299–316.
- Herrera, J., T. Herring, W. Lin & J. Taylor. 2021. The effects of competition on lichen community structure in the White Mountains of California. *California Ecology and Conservation Research* 5(5): 1–9.
- Hischier, C. M., D. Frey, N. Römer, C. Scheidegger, S. Stofer, M. Vust & S. Fink. 2023. Die Verhüllende Korallenflechte. Eine geschützte Auenart im Fokus von Naturschutz und Wasserbau. *Merkblatt für die Praxis* 73: 10.55419/wsl:33524. [In German.]
- Hischier, C. M., D. Frey, N. Römer, C. Scheidegger, S. Stofer, M. Vust & S. Fink. 2023. Il lichene *Stereocaulon incrustatum*. Focus su una specie protetta delle zone golenali dal punto di vista della conservazione della natura e dell'ingegneria idraulica. *Notizie per la pratica* 73: 10.55419/wsl:33592. [In Italian.]
- Hischier, C. M., D. Frey, N. Römer, C. Scheidegger, S. Stofer, M. Vust & S. Fink. 2023. Le lichen corail cendré des sables. Enjeu de la protection de la nature et de l'aménagement des cours d'eau. *Notice pour le praticien* 73: 10.55419/wsl:33526. [In French.]
- Holt, E. A., I. Jonas & M. Stechel. 2023. Inequity in authorship of North American lichens. *The Bryologist* 126(2): 205–216.
- Hongsanan, S., K. D. Hyde, R. Phookamsak, D. N. Wanasinghe, E. H. C. McKenzie, V. V. Sarma, R. Lücking, S. Boonmee, J. D. Bhat, N.-G. Liu, D. S. Tennakoon, D. Pem, A. Karunaratna, S.-H. Jiang, G. E. B. Jones, A. J. L. Phillips, I. S. Manawasinghe, S. Tibpromma, S. C. Jayasiri, D. Sandamali, R. S. Jayawardena, N. N. Wijayawardene, A. H. Ekanayaka, R. Jeewon, Y.-Z. Lu, C. Phukhamsakda, A. J. Dissanayake, X.-Y. Zeng, Z.-L. Luo, Q. Tian, K. M. Thambugala, D. Dai, M. C. Samarakoon, K. W. T. Chethana, D. Ertz, M. Doilom, J.-K. Liu, S. Pérez-Ortega, A. Suija, C. Senwana, S. N. Wijesinghe, M. Niranjana, S.-N. Zhang, H. A. Ariyawansa, H.-B. Jiang, J.-F. Zhang, C. Norphanphoun, N. I. de Silva, V. Thiyagaraja, H. Zhang, J. D. P. Bezerra, R. Miranda-

González, A. Aptroot, H. Kashiwadani, D. Harishchandra, E. Sérusiaux, P. D. Abeywickrama, D.-F. Bao, B. Devadatha, H.-X. Wu, K. H. Moon, C. Gueidan, F. Schumm, D. Bundhun, A. Mapook, J. Monkai, C. S. Bhunjun, P. Chomnunti, S. Suetrong, N. Chaiwan, M. C. Dayarathne, J. Yang, A. R. Rathnayaka, J.-C. Xu, J. Zheng, G. Liu, Y. Feng & N. Xie. 2020. Refined families of Dothideomycetes: Orders and families incertae sedis in Dothideomycetes. *Fungal Diversity* 105: 17–318. [Includes notes on: Abrothallales Pérez-Ort. & Suija. (*Abrothallus* De Not., *Lichenocodium* Petr. & Syd.), Collemopsidiales Pérez-Ort. (*Collemopsidium* Nyl., *Didymellopsis* (Sacc.) Clem. & Shear, *Frigidopyrenia* Grube, *Rhagadodidymellopsis* Fdez.-Brime, Gaya, Llimona & Nav.-Ros., *Zwackhiomyces* Grube & Hafellner), *Eremithallales* Lücking & Lumbsch (*Encephalographa* A.Massal., *Melaspilea* Nyl.), Lichenotheliales K.Knuksen, Muggia & K.D.Hyde. (*Endococcus* Nyl., *Lichenothelia* D.Hawksw.), Monoblastiales Lücking, M.P.Nelsen & K.D.Hyde. (*Acrocardia* A.Massal., *Anisomeridium* (Müll.Arg.) M. Choisy, *Caprettia* Bat. & H.Maia, *Megalotremis* Aptroot, *Monoblastia* Riddle, *Trypetheliopsis* Asahina), Strigulales Lücking, M.P.Nelsen & K.D.Hyde (*Dichoporis* Clem., *Flagellostrigula* Lücking, S.H. Jiang & Sérus., *Flavobathelium* Lücking, Aptroot & Thor, *Phyllobathelium* (Müll.Arg.) Müll.Arg., *Phyllocharis* Fée, *Phyllocraterina* Sérus. & Aptroot, *Phylloporis* Clem., *Puiggariella* Speg., *Raciborskiella* Höhnel, *Racoplaca* Fée, *Serussiauxiella* S.H.Jiang, Lücking & J.C.Weï, *Strigula* Fr., *Swinscowia* S.H.Jiang, Lücking & Sérus., *Tenuitholiascus* S.H.Jiang, Lücking & J.C.Weï), Trypetheliales Lücking, Aptroot & Sipman (*Aptrootia* Lücking & Sipman, *Architrypethelium* Aptroot, *Astrothelium* Eschw., *Bathelium* Ach., *Bogoriella* Zahlbr., *Clypeococcum* D.Hawksw., *Constrictolumina* Aptroot, M.P. Nelsen & Lücking, *Dictyomeridium* Aptroot, M.P.Nelsen & Lücking, *Julella fallaciosa* (Arnold) R.C.Harris, *Macroconstrictolumina* Lücking, R.Miranda & Aptroot, *Marcelaria* Aptroot, M.P. Nelsen & Parmmen, *Nigrovothelium* Lücking, M.P.Nelsen & Aptroot, *Polycoccum* Saut. ex Körb., *Polymeridium* (Müll.Arg.) R.C. Harris, *Polypyrenula* D.Hawksw., *Pseudobogoriella* Lücking, R. Miranda & Aptroot, *Schummia* Lücking, R.Miranda & Aptroot, *Trypethelium* Spreng., *Viridothelium* Lücking, M.P.Nelsen & Aptroot). Also various Dothideomycetes, families incertae sedis (Naetrocymbaceae Höhn. including *Jarxia* D.Hawksw., *Leptorhaphis* Körb., *Naetrocymbe* Körb., *Tomasellia* A. Massal.; Pyrenidiaceae Zahlbr. including *Pyrenidium* Nyl.). New: *Acrocardia endobrya* (Döbbeler & Poelt) Lücking & Aptroot (≡ *Arthopyrenia endobrya* Döbbeler & Poelt), *Bogoriella chiquitana* (Flakus, Kukwa & Aptroot) Lücking, R.Miranda & Aptroot (≡ *Constrictolumina chiquitana* Flakus, Kukwa & Aptroot), *Bogoriella complexoluminata* Aptroot & Lücking (from Brazil), *Bo. istmospora* (Aptroot) Lücking, R.Miranda & Aptroot (≡ *Distothelia istmospora* Aptroot), *Bo. pandanica* (S.N.Zhang & K.D.Hyde) S.N.Zhang, Lücking & Aptroot (≡ *Novomicrothelia pandanica* S.N.Zhang & K.D.Hyde), *Bo. rubrostoma* (Aptroot) Lücking, R.Miranda & Aptroot (≡ *Mycocomicrothelia rubrostoma* Aptroot), *Dichoporis bermudana* (Tuck.) S.H.Jiang, Lücking & Sérus. (≡ *Verrucaria bermudana* Tuck.), *Dichoporis brevis* (Bricaud & Cl.Roux) S.H. Jiang, Lücking & Sérus. (≡ *Strigula brevis* Bricaud & Cl.Roux), *Dichoporis connivens* (R.C.Harris) S.H.Jiang, Lücking & Sérus. (≡ *Strigula connivens* R.C.Harris), *Dichoporis dichosporidii* (Etayo) S.H. Jiang, Lücking & Sérus. (≡ *Strigula dichosporidii* Etayo), *Dichoporis elixii* (P.M.McCarthy) S.H.Jiang, Lücking & Sérus. (≡ *Strigula elixii* P.M.McCarthy), *Dichoporis fractans* (P.M.McCarthy) S.H.Jiang, Lücking & Sérus. (≡ *Strigula fractans* P.M.McCarthy), *Dichoporis maritima* (H.Harada) S.H.Jiang, Lücking & Sérus. (≡ *Strigula maritima* H.Harada), *Dichoporis minutula* (P.M.McCarthy) S.H.Jiang, Lücking & Sérus. (≡ *Strigula minutula* P.M.McCarthy), *Dichoporis natalis* (P.M.McCarthy) S.H.Jiang, Lücking & Sérus. (≡ *Strigula natalis* P.M.McCarthy), *Dichoporis nipponica* (H.Harada) S.H.Jiang, Lücking & Sérus. (≡ *Strigula nipponica* H.Harada), *Dichoporis occulta* (P.M.McCarthy & Malcolm) S.H.Jiang, Lücking & Sérus. (≡ *Strigula occulta* P.M.McCarthy & Malcolm), *Dichoporis phaea* (Ach.) S.H.Jiang, Lücking & Sérus. (≡ *Verrucaria phaea* Ach.), *Dichoporis subprospersella* (Vain.) S.H.Jiang, Lücking & Sérus. (≡ *Porina subprospersella* Vain.), *Dichoporis subsimplicans* (Nyl.) S.H. Jiang, Lücking & Sérus. (≡ *Verrucaria subsimplicans* Nyl.), *Dichoporis taylorii* (Carroll) S.H.Jiang, Lücking & Sérus. (≡ *Verrucaria taylorii* Carroll), *Dichoporis tenuis* (R.C.Harris) S.H.Jiang, Lücking & Sérus. (≡ *Arthopyrenia tenuis* R.C.Harris), *Dichoporis viridiseda* (Nyl.) S.H.Jiang, Lücking & Sérus. (≡ *Verrucaria viridiseda* Nyl.), *Dichoporis wilsonii* (Riddle) S.H.Jiang, Lücking & Sérus. (≡ *Porina wilsonii* Riddle), *Dichoporis ziziphi* (A.Massal.) S.H.Jiang, Lücking & Sérus. (type: *Flagellostrigula laureriformis*), *Flagellostrigula laureriformis* (Aptroot & Lücking) Lücking, S.H.Jiang & Sérus. (≡ *Strigula laureriformis* Aptroot & Lücking, *Macroconstrictolumina* Lücking, R.Miranda & Aptroot (type: *Macroconstrictolumina malaccii*), *Macroconstrictolumina lyrata* (R.C.Harris) Lücking, R.Miranda & Aptroot (≡ *Arthopyrenia lyrata* R.C.Harris), *Macroconstrictolumina majuscula* (Nyl.) Lücking, R.Miranda & Aptroot (≡ *Verrucaria majuscula* Nyl.), *Macroconstrictolumina malaccitula* (Nyl.) Lücking, R.Miranda & Aptroot (≡ *Verrucaria malaccitula* Nyl.), *Macroconstrictolumina megalateralis* Aptroot (from Brazil), *Megalotremis elegans* (R.C.Harris) Lücking & Aptroot (≡ *Anisomeridium elegans* R.C.Harris), *Megalotremis holopolia* (Nyl.) Lücking & Aptroot (≡ *Verrucaria holopolia* Nyl.), *Megalotremis immersa* (Makhija & Patw.) Lücking & Aptroot (≡ *Ditremis immersa* Makhija & Patw.), *Megalotremis monospora* (Makhija & Patw.) Lücking & Aptroot (≡ *Ditremis monospora* Makhija & Patw.), *Phyllocharis orbicularis* (Fr.) S.H.Jiang, Lücking & Sérus. (≡ *Strigula orbicularis* Fr.), *Phyllocraterina* Sérus. & Aptroot nom. nov. pro. *Phyllocratera* Sérus. & Aptroot non Wernham (type: *Phyllocraterina papuana*), *Phyllocraterina papuana* (Sérus. & Aptroot.) Sérus. & Aptroot (≡ *Phyllocratera papuana* Sérus. & Aptroot), *Phyllocraterina nuda* (Zahlbr.) Lücking & Sérus. (≡ *Phyllobathelium nudum* Zahlbr.), *Phylloporis cinefaciens* (Nyl.) S.H.Jiang, Lücking & Sérus. (≡ *Verrucaria cinefaciens* Nyl.), *Phylloporis hypothallina* (R.C.Harris) S.H.Jiang, Lücking & Sérus. (≡ *Strigula hypothallina* R.C.Harris), *Pseudobogoriella* Lücking, R.Miranda & Aptroot (type: *Pseudobogoriella hemisphaerica*), *Pseudobogoriella alata* (Groenh. ex Aptroot) Lücking, R. Miranda & Aptroot (≡ *Mycocomicrothelia alata* Groenh. ex Aptroot), *Pseudobogoriella annonacea* (Müll.Arg.) Lücking, R.Miranda & Aptroot (≡ *Microthelia annonacea* Müll.Arg.), *Pseudobogoriella captiosa* (Kremp.) Lücking, R.Miranda & Aptroot (≡ *Verrucaria captiosa* Kremp.), *Pseudobogoriella exigua* (Müll.Arg.) Lücking, R.Miranda & Aptroot (≡ *Microthelia exigua* Müll.Arg.), *Pseudobogoriella fumosula* (Zahlbr.) Lücking, R.Miranda & Aptroot (≡ *Microthelia fumosula* Zahlbr.), *Pseudobogoriella hemisphaerica* (Müll.Arg.) Lücking, R.Miranda & Aptroot (≡ *Microthelia hemisphaerica* Müll.Arg.), *Pseudobogoriella lateralis* (Sipman) Lücking, R.Miranda & Aptroot (≡ *Mycocomicrothelia lateralis* Sipman), *Pseudobogoriella leuckertii* (D.Hawksw. & J.C.David) Lücking, R.Miranda & Aptroot (≡ *Mycocomicrothelia leuckertii* D.Hawksw. & J.C.David), *Pseudobogoriella minutula* (Zahlbr.) Lücking, R.Miranda & Aptroot (≡ *Microthelia minutula* Zahlbr.), *Pseudobogoriella nonensis* (Stirt.) Lücking, R.Miranda & Aptroot (≡ *Verrucaria nonensis* Stirt.), *Pseudobogoriella pachnea* (Körb.) Lücking, R.Miranda & Aptroot (≡ *Microthelia pachnea* Körb.), *Pseudobogoriella punctata* (Aptroot) Lücking, R.

- Miranda & Aptroot (≡ *Mycocomrothelia punctata* Aptroot), *Pseudobogoriella socialis* (Zahlbr.) Lücking, R.Miranda & Aptroot (≡ *Microthelia socialis* Zahlbr.), *Pseudobogoriella striguloides* (Sérus. & Aptroot) Lücking, R.Miranda & Aptroot (≡ *Mycocomrothelia striguloides* Sérus. & Aptroot), *Pseudobogoriella subfallens* (Müll.Arg.) Lücking, R.Miranda & Aptroot (≡ *Microthelia subfallens* Müll. Arg.), *Puiggariella hypothelia* (Nyl.) S.H.Jiang, Lücking & Sérus. (≡ *Strigula hypothelia* Nyl.), *Racoplaca melanobapha* (Kremp.) S.H. Jiang, Lücking & J.C.Wei (≡ *Verrucaria melanobapha* Kremp.), *Schummiella* Lücking, R.Miranda & Aptroot (type: *Schummiella angulata*), *Schummiella angulata* (Aptroot & Schumm) Lücking, R. Miranda & Aptroot (≡ *Distothelia angulata* Aptroot & Schumm), *Swinscowia* S.H.Jiang, Lücking & Sérus. (type: *Swinscowia jamesii*), *Swinscowia affinis* (A.Massal.) S.H.Jiang, Lücking & Sérus. (≡ *Sagedia affinis* A.Massal.), *Swinscowia albicascens* (Nyl.) S.H.Jiang, Lücking & Sérus. (≡ *Verrucaria albicascens* Nyl.), *Swinscowia albolinita* (Nyl.) S.H.Jiang, Lücking & Sérus. (≡ *Verrucaria albolinita* Nyl.), *Swinscowia alpestris* (Vězda) S.H.Jiang, Lücking & Sérus. (≡ *Porina faginea* var. *alpestris* Vězda), *Swinscowia amphora* (Aptroot & Lücking) S.H.Jiang, Lücking & Sérus. (≡ *Strigula amphora* Aptroot & Lücking), *Swinscowia aquatica* (H.Harada) S.H.Jiang, Lücking & Sérus. (≡ *Strigula aquatica* H.Harada), *Swinscowia australiensis* (P.M.McCarthy) S.H.Jiang, Lücking & Sérus. (≡ *Strigula australiensis* P.M.McCarthy), *Swinscowia bahamensis* (Riddle) S.H. Jiang, Lücking & Sérus. (≡ *Lithothelium bahamense* Riddle), *Swinscowia bispora* (Aptroot & K.H.Moon) S.H.Jiang, Lücking & Sérus. (≡ *Strigula bispora* Aptroot & K.H.Moon), *Swinscowia calcarea* (Bricaud & Cl.Roux) S.H. Jiang, Lücking & Sérus. (≡ *Strigula calcarea* Bricaud & Cl.Roux), *Swinscowia cavicola* (Cl.Roux & Bricaud) S.H.Jiang, Lücking & Sérus. (≡ *Strigula cavicola* Cl.Roux & Bricaud), *Swinscowia confusa* (A.Massal.) S.H.Jiang, Lücking & Sérus. (≡ *Strigula confusa* Fryday, Coppins & Common), *Swinscowia decipiens* (Malme) S.H.Jiang, Lücking & Sérus. (≡ *Porina decipiens* Malme), *Swinscowia divisa* (P.M.McCarthy) S.H.Jiang, Lücking & Sérus. (≡ *Strigula decipiens* var. *divisa* P.M.McCarthy), *Swinscowia endolitheia* (Cl.Roux & Bricaud) S.H.Jiang, Lücking & Sérus. (≡ *Strigula endolitheia* Cl.Roux & Bricaud), *Swinscowia fracticonidia* (R. C.Harris) S.H.Jiang, Lücking & Sérus. (≡ *Strigula fracticonidia* R.C. Harris), *Swinscowia glabra* (A.Massal.) S.H.Jiang, Lücking & Sérus. (≡ *Sagedia glabra* A.Massal.), *Swinscowia griseonitens* (R.C.Harris) S.H.Jiang, Lücking & Sérus. (≡ *Strigula griseonitens* R.C.Harris), *Swinscowia jamesii* (Swinscow) S.H.Jiang, Lücking & Sérus. (≡ *Geisleria jamesii* Swinscow), *Swinscowia johnsonii* (P.M.McCarthy) S. H.Jiang, Lücking & Sérus. (≡ *Strigula johnsonii* P.M.McCarthy), *Swinscowia laceribracae* (R.C.Harris) S.H.Jiang, Lücking & Sérus. (≡ *Strigula laceribracae* R.C.Harris), *Swinscowia muriconidiata* (Aptroot, L.I.Ferraro & M.Cáceres) S.H.Jiang, Lücking & Sérus. (≡ *Strigula muriconidiata* Aptroot, L.I.Ferraro & M.Cáceres), *Swinscowia muriformis* (Aptroot & Diederich) S.H.Jiang, Lücking & Sérus. (≡ *Strigula muriformis* Aptroot & Diederich), *Swinscowia muscicola* (F.Berger, Coppins, Cl.Roux & Sérus.) S.H.Jiang, Lücking & Sérus. (≡ *Strigula muscicola* F.Berger, Coppins, Cl.Roux & Sérus.), *Swinscowia obtecta* (Vain.) S.H.Jiang, Lücking & Sérus. (≡ *Thelenella obtecta* Vain.), *Swinscowia pallida* (Aptroot & K.H.Moon) S.H. Jiang, Lücking & Sérus. (≡ *Strigula pallida* Aptroot & K.H.Moon), *Swinscowia porinoides* (Canals, Boqueras & Gómez-Bolea) S.H. Jiang, Lücking & Sérus. (≡ *Strigula porinoides* Canals, Boqueras & Gómez-Bolea), *Swinscowia rhodinula* (Zahlbr.) S.H.Jiang, Lücking & Sérus. (≡ *Porina rhodinula* Zahlbr.), *Swinscowia rostrata* (R.C. Harris & Aptroot) S.H.Jiang, Lücking & Sérus. (≡ *Strigula rostrata* R.C.Harris & Aptroot), *Swinscowia rupestris* (P.M.McCarthy) S.H. Jiang, Lücking & Sérus. (≡ *Strigula rupestris* P.M.McCarthy), *Swinscowia stigmatella* (Ach.) S.H.Jiang, Lücking & Sérus. (≡ *Lichen stigmatellus* Ach.), *Swinscowia submuriformis* (R.C.Harris) S. H.Jiang, Lücking & Sérus. (≡ *Arthopyrenia submuriformis* R.C.Harris), *Swinscowia tagananae* (Harm.) S.H.Jiang, Lücking & Sérus. (≡ *Verrucaria tagananae* Harm.), *Swinscowia thelopsidoides* (Coppins, Cl.Roux & Sérus.) S.H.Jiang, Lücking & Sérus. (≡ *Strigula thelopsidoides* Coppins, Cl.Roux & Sérus.). Also includes keys to genera of Monoblastiaceae, Strigulaceae and Trypetheliaceae, species of *Bogoriella*, *Constrictolumina* s.str., *Dichoporis*, *Macroconstrictolumina*, *Pseudobogoriella*, *Swinscowia*.]
- Käffer, M. I., R. K. Port & J. L. Schmitt. 2023. Distinct lichen community in riparian forests along an anthropogenic disturbance gradient in Southern Brazil. *Rodriguesia* 74: 10.1590/2175–7860202374032.
- Kellman, K. 2022 [2023]. Noteworthy collections from California. *Bulletin of the California Lichen Society* 29(2): 25–29.
- Kerr, M. & S. D. Leavitt. 2023. A custom regional DNA barcode reference library for lichen-forming fungi of the Intermountain West, USA, increases successful specimen identification. *Journal of Fungi* 9(7): 741.
- Keuler, R. 2023. [Thesis] Assessing the role of hybridization in the evolution of two common lineages of lichen-forming fungi. [Brigham Young University] Theses and Dissertations 9888: i–vi, 1–86.
- Knight, A., J. M. Bannister, T. E. Aldridge & A. M. Fryday. 2023. Distinguishing features and new distributions of three similar species of *Pertusaria* (lichenised ascomycota, Pertusariaceae) in southern New Zealand. *Australasian Lichenology* 93: 14–23.
- Knudsen, K., J. Kocourková, E. Hodková, J. Malíček & Y. Wang. 2023. Acarosporaceae of New Mexico: eight new species of *Acarospora* and *Sarcogyne*. *Western North American Naturalist* 83(1): 51–88. [New (all from U.S.A. unless noted): *A. agostini* K.Knudsen, Kocourk. & Hodková, *A. divisa* K.Knudsen, Kocourk. & Hodková, *A. issurata* K.Knudsen, Kocourk. & Hodková, *A. ryanii* K.Knudsen, Kocourk. & Hodková, *Sarcogyne brouardiana* K.Knudsen, Kocourk. & Hodková, *S. coeruleonigricans* K.Knudsen, Kocourk. & Hodková (from Mexico and U.S. A.), *S. malpaiensis* K.Knudsen, Kocourk. & Hodková, *S. nogalensis* K.Knudsen, Kocourk. & Hodková. Includes key to Acarosporaceae of southwestern North America.]
- Komposch, H. & B. Emmerer. 2007. Flechten (Lichenes) - 116 Arten. *Carinthia II* 197(117): 502–504. [In German. List of 113 lichen species, 1 lichen parasite, 3 species new for Kärnten: *Lecanora subcarpineae*, *Lepraria flavescens*, *Protoparmelia hypotremella*. Published within separately authored contribution [Krainer, K. 2007. 9. GEO-Tag der Artenvielfalt Leonstain und Umgebung, Pörschach am Wörthersee/Kärnten 8./9. Juni 2007. *Carinthia II* 197(117): 497–536.].]
- Leavitt, S. D., A. DeBolt, E. McQuhae & J. L. Allen. 2023. Genomic resources for the first federally endangered lichen: The Florida Perforate *Cladonia* (*Cladonia perforata*). *Journal of Fungi* 9(7): 698.
- Lee, B.-G. & J.-S. Hur. 2023. A new lichenized fungus, *Lendemeriella luteoaurantia*, with a key to the species of *Lendemeriella*. *Diversity* 15(7): 845. [New: *Lendemeriella luteoaurantia* B.G.Lee (from South Korea). Includes key to *Lendemeriella*.]
- Li, L., L. Wang & C. Printzen. 2023. A new species and new combination of *Lecanora* s. str. (Lecanoraceae) from China. *The Lichenologist* 55(3–4): 115–124. [New: *L. crystalliniformis* (B.G.Lee & Hur) Li J.Li & Printzen (≡ *Protoparmeliopsis crystalliniformis* B.G.Lee & Hur), *L. zeorina* Li J.Li & Printzen (from China).]
- Liu, L., Q. Zuo, J. Xue, Z. Ren & L. Zhang. 2023. Three new species of *Herpothallon* (Lichenized Ascomycota) from Southern China.

- Phytotaxa 597(4): 287–296. [New (from China): *Herpothallon glaucescens* L.L.Liu & Lu L.Zhang, *H. lilacinum* L.L.Liu & Lu L.Zhang, *H. tomentosum* L.L.Liu & Lu L.Zhang. Includes key to *Herpothallon* in China.]
- Llewellyn, T., S. Mian, R. Hill, I. J. Leitch & E. Gaya. 2023. First whole-genome sequence and flow cytometry genome size data for the lichen-forming fungus *Ramalina farinacea* (Ascomycota). *Genome Biology and Evolution* 15(5): evad074.
- Lõhmus, A., J. Motiejūnaitė & P. Lõhmus. 2023. Regionally varying habitat relationships in lichens: The concept and evidence with an emphasis on north-temperate ecosystems. *Journal of Fungi* 9(3): 341.
- Lücking, R., W. R. Álvaro-Alba, B. Moncada, N. L. Marín-Canchala, S. S. Tunjano & D. Cárdenas-López. 2023. Lichens from the Colombian Amazon: 666 taxa including 28 new species and 157 new country records document an extraordinary diversity. *The Bryologist* 126(2): 242–303. [New: *Allographa exuens* Lücking, B.Moncada & Álvaro, *Al. guainiae* Lücking, N.Marín & B.Moncada, *Al. labiata* Lücking, N.Marín & B.Moncada, *Al. lichexanthonica* Lücking, N. Marín & B.Moncada, *Al. sessilis* Lücking, N.Marín & B.Moncada, *Al. suprainpersata* Lücking, N.Marín & B.Moncada, *Astrothelium bireagens* Lücking, N.Marín & Álvaro, *As. stromatolucidum* Lücking, N.Marín & Álvaro, *Bacidina cyanophila* (Lücking) Lücking (≡ *Bacidina simplex* var. *cyanophila* Lücking), *Carbacanthographis submulti-septata* Lücking, N.Marín & B.Moncada, *Chapsa inconspicua* Lücking, B.Moncada & Álvaro, *Coenogonium velutinellum* Lücking, N.Marín & Álvaro, *Fellhanera naevioides* Lücking, B.Moncada & Álvaro, *Fissurina sipmanii* Lücking, B.Moncada & Álvaro, *Glyphis lir-ellizans* Lücking, N.Marín & B.Moncada, *Graphis papillifera* Lücking, N.Marín & B.Moncada, *Graphis pseudoglyphis* Lücking, N.Marín & B.Moncada, *Malmidea flavimarginata* Lücking, N.Marín & Álvaro, *Malmidea isidiopiperina* Lücking, B.Moncada & Álvaro, *Malmidea papillitrailiana* Lücking, B.Moncada & Álvaro, *Malmidea soreidiifera* (Fée) Lücking (≡ *Lecanora soreidiifera* Fée, lectotypified), *Myriotrema araracuarensis* Lücking, B.Moncada & Álvaro, *Ocellularia areolata* Lücking, B.Moncada & Álvaro, *O. caquetensis* Lücking, B.Moncada & Álvaro, *O. fuscescens* (Kremp.) Lücking & Álvaro (≡ *Thelotrema fuscescens* Kremp.), *O. inspersipallens* Lücking, B.Moncada & Álvaro, *O. rufocinctoides* Lücking, B.Moncada & Álvaro, *O. sipmanii* Lücking, B.Moncada & Álvaro, *Phaeographis cymbegrapha* (Leight.) Lücking (≡ *Graphis cymbegrapha* Leight., lectotypified), *Polyblastidium flavosquamosum* (Aptroot & Sipman) Lücking (≡ *Heterodermia flavosquamosa* Aptroot & Sipman), ≡ *Heterodermia flavosquamosa* Aptroot & Sipman (≡ *Parmelia lamelligera* Taylor), *Polyblastidium rottboellii* (Vain.) Lücking (≡ *Anaptychia hypoleuca* var. *rottboellii* Vain.), *Pseudopyrenula daironii* Lücking, N.Marín & Álvaro, *Pyrenula asymmetrica* Lücking, N.Marín & B. Moncada, *Redingeria pseudostromatica* Lücking, Álvaro & B. Moncada.]
- Manzitto-Tripp, E. A., S. J. Raynor & C. R. Anderson Stewart. 2023. Diversity of lichens in northern Alabama yields evidence of an exceptionally diverse biota. *Southeastern Naturalist* 22(2): 170–191.
- Mercado-Díaz, J. A., R. Lücking, B. Moncada, K. C. E. Campbell, C. Delnatte, L. Familia, B. Falcón-Hidalgo, A. Motito-Marín, Y. Rivera-Queralta, T. J. Widhelm & H. T. Lumbsch. 2023. Species assemblages of insular Caribbean *Sticta* (lichenized Ascomycota: Peltigerales) over ecological and evolutionary time scales. *Molecular Phylogenetics and Evolution* 186: 107830.
- Nagar, S., M. Pigott, W. Kukula-Koch & H. Sheridan. 2023. Unravelling novel phytochemicals and anticholinesterase activity in Irish *Cladonia portentosa*. *Molecules* 28(10): 4145.
- Ndhlovu, N. T., F. Minibayeva, F. R. Smith & R. P. Beckett. 2023. Lichen substances are more important for photoprotection in sun than shade collections of lichens from the same species. *The Bryologist* 126(2): 180–190.
- Nirhamo, A., J. Pykälä, K. Jääskeläinen & J. Kouki. 2023. Habitat associations of red-listed epiphytic lichens in Finland. *Silva Fennica* 57(1): 22019.
- Orange, A. 2013. *British and Other Pyrenocarpous Lichens*, Version 2. Published by the author, Cardiff. [unpaginated] 250 pages. [An exceedingly useful compilation of keys, descriptions, illustrations and photographs by the author.]
- Reep, A., C. Morgan & L. de la Espirella. 2018. Effects of disturbance on biological soil crusts. *California Ecology and Conservation Research* Fall 2018: 1–7.
- Ren, W., S. Jiang, Y. Wang, X. Pan, F. Pan & X. Wei. 2023. Discovery and excavation of lichen bioactive natural products. *Frontiers in Microbiology* 14: 1177123.
- Richardson, G. 2023. [Thesis] Dense Neural Network Outperforms Other Machine Learning Models for Scaling-up Lichen Cover Maps in Eastern Canada. University of Ottawa, Ottawa. i–viii, 1–45 pages.
- Robison, A., M. Baugh, L. Muggia & S. D. Leavitt. 2022. Fruticose lichen communities at the edge: Distribution and diversity in a desert sky island on the Colorado Plateau. *Conservation* 2(4): 550–565.
- Salisbury, G. 1966. A monograph of the lichen genus *Thelocarpon* Nyl. *The Lichenologist* 3(2): 175–196. [New: *Acarospora albomarginata* (Herre) G.Salisb. (≡ *Thelocarpon albomarginatum* Herre), *Ac. algicola* (Groenh.) G.Salisb. (≡ *T. algicola* Groenh.), *Ahlesia impressella* (Nyl.) G.Salisb. (≡ *T. impressellum* Nyl), *Ah. sphaerospora* (H.Magn.) G.Salisb. (≡ *T. sphaerosporum* H. Magn.), *Ah. sandwicense* (H.Magn.) G.Salisb. (≡ “? *T. sandwicense* H.Magn.”), *Thelotrema byssoideum* (Kremp.) G.Salisb. (≡ *T. byssoideum* Kremp.). Includes key to the genus.]
- Sargsyan, R., A. Gasparyan, G. Tadevosyan & H. Panosyan. 2023. Antimicrobial and antioxidant potentials of non-cytotoxic extracts of corticolous lichens sampled in Armenia. *AMB Express* 11(1): 110.
- Scharnagl, K., G. Tagirdzhanova & N. J. Talbot. 2023. The coming golden age for lichen biology. *Current Biology* 33(11): R512–R518.
- Schumm, F. & A. Aptroot. 2023. Brazilian Lichens collected by Dr. André Aptroot, Volume II - Alagoas. 646 pages. [New: *Staurolemma lineare* Aptroot & Schumm (from Brazil).]
- Schumm, F. & A. Aptroot. 2023. Brazilian Lichens collected by Dr. André Aptroot, Volume III - Mato Grosso do Sul. 616 pages. [New (from Brazil): *Constrictolumina fusca* Aptroot & Schumm, *Pyrenula lilaceoagens* Aptroot, Carollo & Schumm, *Thelopsis flavosorediata* Aptroot & Schumm.]
- Schumm, F. & A. Aptroot. 2023. *Images of Lichinales*. Books on Demand, Norderstedt. 320 pages.
- Selva, S. B., L. Tibell, M. Gordon & R. T. McMullin. 2023. *Calicium sperlingiae*, (Caliciaceae), a new species of calicioid lichen from Douglas County, Oregon, U.S.A. *The Bryologist* 126(2): 236–241. [New: *C. sperlingiae* Selva & Tibell (from U.S.A.). Includes key to *Calicium* in North America.]
- Si, H., Y. Su, Y. Wang, T. Bose & R. Chang. 2023. The effects of co-culture on the expression of selected PKS genes in the lichenized fungus *Xanthoparmelia taractica*. *Mycological Progress* 22: 41.
- Simijaca, D., G. Ocampo, J. Escoto-Moreno & R. E. Pérez-Pérez. 2023. Lichen community assemblages and functional traits as indicators of vegetation types in Central Mexico, based on herbarium specimens. *Cryptogamie, Mycologie* 44(6): 83–102.
- Sisneros, T., K. Gerhardt, A. Conklin & C. Hu. 2021. Competition and aspect contribute to saxicolous lichen species distribution on serpentine outcroppings at Sedgwick Reserve, California. *California Ecology and Conservation Research* 5(6): 1–12.

- Suija, A. & P. P. G. van den Boom. 2023. Phylogenetic relationships, taxonomic novelties, and combinations within Stictidaceae (Ostropales, Lecanoromycetes, Ascomycota): Focus on *Absconditella*. *Mycological Progress* 22: 46. [New: *Absconditella sychnogonioides* (Nitschke) Suija & van den Boom (\equiv *Geisleria sychnogonioides* Nitschke), *Absconditonia* Suija & van den Boom (type *A. rubra*), *Absconditonia rubra* (van den Boom, M.Brand & Suija) Suija & van den Boom (\equiv *Absconditella rubra* van den Boom, M.Brand & Suija), *Absconditonia sublignicola* van den Boom & Suija (from the Netherlands).]
- Szczepańska, K., D. Kubiak, E. A. Ossowska, M. Kukwa, J. Jaskólska, A. Kowalewska, U. Schiefelbein, A. Bohdan, A. Kepel, M. Sętkas, R. Szymczyk, M. Hachułka, K. Rutkowski, M. Smoczyk, A. Zalewska, A. Piegdoń & E. Romanow-Pękal. 2023. Materiały do rozmieszczenia porostów i grzybów naporostowych Polski, 3. Wiadomości Botaniczne 67: 168486. [In Polish with English abstract.]
- Szczepańska, K., M. Kukwa, B. Guzow-Krzemińska & J. Urbaniak. 2023. New and rare lichens of the family Megasperaceae discovered in Poland. *Phytotaxa* 598(2): 133–144.
- Tadome, K., Y. Ohmura & K. Yoshida. 2023. *Sphaerellothecium araneosum* and three lichenicolous fungi of *Sclerococcum* from Japan. *The Journal of Japanese Botany* 98(2): 104–109.
- Tindall-Jones, B., M. Cunliffe & N. Christmas. 2023. Lichen zonation on UK rocky seashores: A trait-based approach to delineating marine and maritime lichens. *The Lichenologist* 55(2): 91–99.
- Torres, J. M., V. O. Torres, A. S. Rodrigues, A. S. Gianini, A. C. Micheletti, N. K. Honda, A. A. Spielmann & A. P. Lorenz. 2023. Lineages of the lichen-forming fungus *Stereocaulon alpinum* and their photobionts in southern South America and maritime Antarctica. *Polar Biology* 46: 865–879.
- Tsurykau, A. 2023. Lichens of Belarus [ЛИШАЙНИКИ БЕЛАРУСИ]. 379 pp. [In Russian.]
- van den Boom, P. P. G. 2020. Lichens and lichenicolous fungi of the Azores (Pico, São Jorge), additional records and four new species. *Acta Botanica Hungarica* 62(3-4): 417–434. [New (from Portugal, Azores): *Gassicurtia azorica* van den Boom, *Polycoccum parmotrematis* van den Boom (on *Parmotrema* sp. close to *P. reticulatum*), *Rinodina subcolobina* van den Boom, *Stigmidium pyrenulae* van den Boom (on *Pyrenula* sp.).]
- van den Boom, P. P. G., J. Etayo & M. E. López de Silanes. 2023. Notes on Lichenicolous “*Micarea*” species in Spain and Macaronesia, with the description of two new species [Notas sobre especies liquenícolas de *Micarea* en España y Macaronesia, con la descripción de dos nuevas especies]. *Nova Acta Científica Compostelana* 30: 1–7. [New: *M. amplissima* van den Boom & Etayo (on *Ricasolia amplissima* from France & Spain), *M. parasitica* van den Boom & Etayo (on *Hypotrachyna* from Portugal).]
- van den Boom, P. P. G., R. Lücking & H. J. M. Sipman. 2023. Notes on Graphidaceae in Macaronesia, with descriptions of four new species. *Diversity* 15(7): 817. [New (all new species from Azores, Portugal): *Fissurina azorica* van den Boom, Sipman & Lücking, *F. deficiens* (A.W.Archer) Lücking (\equiv *Graphis nigririmis* (Nyl.) Müll.Arg. var. *deficiens*), *F. elaiocarpoides* van den Boom, Sipman & Lücking, *F. nigrolabiata* van den Boom, Sipman & Lücking, *Topeliopsis juniperina* van den Boom & Sipman. Includes key to Graphidaceae in Macaronesia.]
- Veres, K., M. Sinigla, K. Szabó, N. Varga & E. Farkas. 2022. The long-term effect of removing the UV-protectant usnic acid from the thalli of the lichen *Cladonia foliacea*. *Mycological Progress* 21: 83.
- Villar-dePablo, M., C. Ascaso, E. Rodríguez-Pérez, M. Urizal, J. Wierzchos, S. Pérez-Ortega & A. de los Ríos. 2023. Innovative approaches to accurately assess the effectiveness of biocide-based treatments to fight biodeterioration of Cultural Heritage monuments. *Science of The Total Environment* 897: 165318.
- Wyczanska, M., K. Wacker, P. S. Dyer & S. Werth. 2023. Local-scale panmixia in the lichenized fungus *Xanthoria parietina* contrasts with substantial genetic structure in its *Trebouxia* photobionts. *The Lichenologist* 55(2): 69–79.
- Xue, X.-D., S.-H. Jiang & Q. Ren. 2023. *Fouragea gyrophorica* sp. nov. from China, with morphological and phylogenetic evidence. *The Bryologist* 126(2): 167–173. [New: *F. gyrophorica* X. D.Xue & S.H.Jiang (from China). Includes key to *Fouragea*.]
- Yang, J. H., J.-J. Woo, W. Kim, S.-Y. Oh & J.-S. Hur. 2023. [Preprint] Exploring the influence of climatic variables on mycobio- biome composition and community diversity in lichens: Insights from structural equation modeling analysis. *ResearchSquare*: 10.21203/rs.3.rs-2951332/v1.
- Yang, M.-X., E. H.-C. Cheng, D. Ospondant, K.-K. Tung, L.-S. Wang, S.-Y. Lin, Q. W. Z. Lai, Q.-Y. Wu, Y.-J. Xia, K.-W. Leung, R. Duan, T. T.-X. Dong & K. W.-K. Tsim. 2023. The extracts of *Lobaria pindarensis*, an edible lichen from Himalayas, suppress inflammatory response and fibrillation of amyloid β -protein in cultured microglial cells: Active depsidones, norstictic acid and stictic acid, are responsible for the functions. *Elsevier Journal of Functional Foods* 107: 105607.
- Yin, A.-C., Q.-Y. Zhong, C. Scheidegger, J.-Z. Jin, F. R. Worthy, L.-S. Wang & X.-Y. Wang. 2023. The phylogeny and taxonomy of *Glypholecia* (Acarosporaceae, lichenized Ascomycota), including a new species from northwestern China. *MycKeys* 98: 153–165. [New: *G. qinghaiensis* An C.Yin, Q.Y.Zhong & Li S.Wang (from China).]
- Zhang, Y., L. Wang, X. Wang, C. Prinzen, E. Timdal & L. Wang. 2023. *Squamarina subcetrarioides* comb. & stat. nov. (Stereocaulaceae), a separate species from the type species of *Squamarina*. *The Lichenologist* 55(3–4): 133–137. [New: *S. subcetrarioides* (Zahlbr.) Y.Y.Zhang (\equiv *Lecanora fragilis* var. *subcetrarioides* Zahlbr.).]
- Zhong, Q., M. Ai, F. R. Worthy, A. Yin, Y. Jiang, L. Wang & X. Wang. 2023. Rediscovery of five *Rinodina* species originally described from southwest China and one new species. *Diversity* 15(6): 705. [New: *Buellia setschwana* (Zahlbr.) Q.Y.Zhong & Xin Y.Wang (\equiv *Rinodina setschwana* Zahlbr.), *R. hengduanensis* Q.Y.Zhong & Xin Y.Wang (from China).]
- Zhurbenko, M. P. 2022. *Atronectria thelotrematis* (Sordariomycetes), a remarkable new pyrenomycete on *Thelotrema lepadinum* from Chile, with a key to the lichenicolous fungi growing on *Thelotrema*. *Plant and Fungal Systematics* 67(2): 34–39. [New: *A. thelotrematis* Zhurb. (on *T. lepadinum* from Chile). Includes key to lichenicolous fungi on *Thelotrema*.]
- Zuo, Q.-J., L. Wang & L.-L. Zhang. 2023. One new species and three new records in the genus *Porpidia* from China. *The Lichenologist* 55(3–4): 139–150. [New: *P. crystallina* Q.J.Zuo & Lu L.Zhang (from China). Includes key to *Porpidia* in China.]