

# Recent literature on lichens—262

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- Archer, A. W. & J. A. Elix. 2020. Six new species, a new variety, a new report and two new records in the Australian Pertusariaceae (Pertusariales, lichenized Ascomycota). *Australasian Lichenology* 86: 14–29. [New (all new taxa from Australia): *Lepra arida* A.W.Archer & Elix, *L. elatinica* A.W.Archer & Elix, *L. leeuwenii* (Zahlbr.) A.W.Archer & Elix ( $\equiv$  *Pertusaria leeuwenii* Zahlbr.), *L. perlacericans* A.W.Archer & Elix, *P. alloisidiosa* A.W.Archer & Elix, *P. copiofructa* A.W.Archer & Elix, *P. macroides* A.W.Archer & Elix, *P. microstoma* var. *deficiens* A.W.Archer & Elix.]
- Ås Hovind, A. B., N. H. Phinney & Y. Gauslaa. 2020. Functional trade-off of hydration strategies in old forest epiphytic cephalolichens. *Fungal Biology* 124(10): 903–913.
- Balogh, R., E. Farkas, L. Lőkös, B. Papp, J. Budai, K. Antal, T. Novák & G. Matus. 2017. Mosses and lichens in dynamics of acidic sandy grasslands: Specific response to grazing enclosure. *Acta Biologica Plantarum Agriensis* 5(1): 30. [Brief note.]
- Bannister, J., P. Harrold & D. Blanchon. 2020. Additional lichen records from New Zealand 51. *Usnea dasaea* Stirt. *Australasian Lichenology* 86: 114–117.
- Bednaříková, M., M. Barták & P. Váczi. 2020. [Abstract] Antarctic lichen *Dermatocarpon polyphyllizum* affected by desiccation and low temperature. *Czech Polar Reports* 10(1): 136–137. [Extended abstract.]
- Benatti, M. N. & N. K. Honda. 2020. Small Parmeliaceae (lichenized Ascomycota) of Ilhabela State Park and nearby areas, São Paulo state, Brazil. *Rodriguésia* 71: e00052019.
- Berger, F., U. Braun & B. Heuchert. 2015. *Gonatophragmium lichenophilum* sp. nov. – a new lichenicolous hyphomycete from Austria. *Mycobiota* 5: 7–13. [New: *G. lichenophilum* F.Berger & U.Braun (on *Xanthoria parietina* from Austria). Includes key to *Gonatophragmium*.]
- Bishop, L., R. Schnapp, J. Stant, J. E. Belth, R. Brodman, R. Carlson, L. Cole, S. Dunbar, J. D. Holland, R. Kerner, S. Russell, R. P. Jean, L. Koehn, J. C. Lendemer, T. Maloney, M. A. Milne, G. Mynhardt, P. Rothrock, S. Rupp, J. J. Sheets, D. W. Sparks, M. K. Martin, C. Strang, T. M. Rice, J. O. Whitaker & A. Camberlain. 2020. Results of the Indiana Forest Alliance Ecoblitz at Morgan-Monroe / Yellowwood State Forest in Indiana. *Proceedings of the Indiana Academy of Science* 128(2): 153–169. [Places previous lichen study in broader biodiversity context.]
- Brackel, W. & P. Döbbeler. 2020. An addition to the knowledge of lichenicolous fungi of Greece with a key to the lichenicolous fungi on *Collema* s.l. *Folia Cryptogamica Estonica* 57: 147–152. [Includes key to lichenicolous fungi on *Collema* s.l.]
- Brako, L., M. J. Dibben & I. Amaral. 1985. Preliminary notes on the macrolichens of Serra do Cachimbo, northcentral Brazil. *Acta Amazonica* 15(supplement): 123–136.
- Brodo, I. M. & J. W. Sheard. 2020. The lichens and lichenicolous fungi of Haida Gwaii, British Columbia, Canada. 6. A new species of *Buellia* with four-celled, *Callispora*-type ascospores. *Opuscula Philolichenum* 19: 163–167. [New: *B. gibstoneorum* Brodo & Sheard (from Canada).]
- Cannon, P., D. Ertz, A. Frisch, A. Aptroot, S. Chambers, B. J. Coppins, N. Sanderson, J. Simkin & P. Wolseley. 2020. Arthoniales: Arthoniaceae. Revisions of British and Irish Lichens 1: 1–48. [New: *Diarthonis spadicea* (Leight.) Frisch, Ertz, Coppins & P.F.Cannon ( $\equiv$  *Arthonia spadicea* Leight.). Treatment including descriptions, distribution maps and keys.]
- Cannon, P., M. A. G. Otálora, A. Košuthová, M. Wedin, A. Aptroot, B. Coppins & J. Simkin. 2020. Peltigerales: Collemataceae, including the genera *Blennohallia*, *Callome*, *Collema*, *Enchylium*, *Epiphloea*, *Lathagrium*, *Leptogium*, *Pseudoleptogium*, *Rostania* and *Scytinium*. Revisions of British and Irish Lichens 2: 1–38. [Includes keys, distribution maps, descriptions and discussions for all species.]
- Casanova-Katny, A. & M. Barták. 2020. [Abstract] Thallus dehydration effects and physiological consequences in Antarctic lichens: Case study from the King George Island, Antarctica. *Czech Polar Reports* 10(1): 132–133. [Extended abstract.]
- Casanova-Katny, A., M. Barták & C. Gutierrez. 2019. Open top chamber microclimate may limit photosynthetic processes in Antarctic lichen: Case study from King George Island, Antarctica. *Czech Polar Reports* 9(1): 61–77.
- Charnei, A. M. & S. Eliasaro. 2014. Espécies de *Cladonia* com cifas não verticiladas do Supergrupo *Cladonia* em ambientes de altitude da Serra do Mar no Sul do Brasil. *Hoehnea* 41(3): 453–468. [In Portuguese with English abstract. Includes key.]
- Charnei, A. M., S. Eliasaro & E. L. Gumboski. 2015. Three new species of *Cladonia* (Cladoniaceae, Ascomycota) from Southern Brazil. *Anais da Academia Brasileira de Ciências* 87(1): 101–108. [New (all from Brazil): *C. maculata* Charnei, Eliasaro & Gumboski, *C. paranaensis* Charnei, Eliasaro & Gumboski, *C. quiririensis* Charnei, Eliasaro & Gumboski.]

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- Chatrová, B. 2018. Diatoms (Bacillariophyta) associated with lichens from Ulu Peninsula (James Ross Island, NE Antarctic Peninsula). *Czech Polar Reports* 8(2): 151–161.
- Cheng, X.-M., D.-L. Liu, X.-L. Wei & J.-C. Wei. 2019. *Heteropladidium compactum* reported as a genus new to China. *Mycotaxon* 134(2): 369–376.
- Christensen, S. N. & V. Alstrup. 2013. Notes on epilithic, epigeic and muscicolous lichens and lichenicolous fungi from rock outcrops in the mountains of northern Greece. *Mycobiota* 1: 25–30.
- Danesh, N. & E. T. Puttaiah. 2012. Depletion of diversity and pigments of epiphytic lichens due to climate change. *Indian Journal of Natural Sciences* 2(10): 792–800.
- Degtiarenko, P. & R. Moisejevs. 2020. Revision of the genus *Cetrelia* (lichenised Ascomycota) in Latvia. *Botanica* 26(1): 88–94.
- Diederich, P., A. M. Millanes, B. J. Coppins & M. Wedin. 2020. *Tremella imshaugiae* and *T. tubulosae* (Tremellomycetes, Basidiomycota), two new lichenicolous fungi on *Imshaugia aleurites* and *Hypogymnia tubulosa*. *Bulletin de la Société des naturalistes luxembourgeois* 122: 239–246. [New: *Tremella imshaugiae* Diederich, Coppins, R.C.Harris, Millanes & Wedin (on *Imshaugia aleurites* from Scotland & U.S.A.), *Tremella tubulosae* Diederich, Coppins, J.C.Zamora, Millanes & Wedin (on *Hypogymnia tubulosa* from Scotland & Spain).]
- dos Santos, M. A. L., N. G. S. Fortes, T. E. F. Silva & N. S. Vitória. 2019. Ascomycota (lichenized and non-lichenized) on *Syagrus coronata* in the Caatinga biome: New and interesting records for Brazil and South America. *Mycotaxon* 134(4): 737.
- Elix, J. A., C. Edler & H. Mayrhofer. 2020. Two new corticolous species of *Rinodina* (Physciaceae, Ascomycota) from New Zealand. *Australasian Lichenology* 86: 95–101. [New (from New Zealand): *R. fineranii* Elix, Ch.Edler & H.Mayrhofer, *R. malcolmii* Elix, Ch.Edler & H.Mayrhofer. Includes key to corticolous and lignicolous *Rinodina* in New Zealand.]
- Elix, J. A. & H. Mayrhofer. 2020. A new species of *Cratiria* (Caliciaceae, Ascomycota) from Ascension Island, South Atlantic Ocean. *Australasian Lichenology* 86: 87–89. [New: *C. jamesiana* Elix & H.Mayrhofer (from Ascension Island, UK Overseas Territory).]
- Elix, J. A. & H. Mayrhofer. 2020. Four new species and a new record of buellioid lichens (Caliciaceae, Ascomycota) from Australia. *Australasian Lichenology* 86: 62–69. [New: *Amandinea mountmeensis* Elix & H.Mayrhofer (from Australia), *Buellia bularmia-lensis* Elix & H.Mayrhofer (from Australia), *B. dayboroana* Elix & H.Mayrhofer (from Australia), *B. neohalonia* Elix & H.Mayrhofer (from Australia & New Zealand).]
- Elix, J. A. & P. M. McCarthy. 2020. Three new species of *Trapelia* (lichenized Ascomycota, Trapeliaceae) from eastern Australia. *Australasian Lichenology* 86: 102–108. [New (all from Australia): *T. atrocarpa* Elix & P.M.McCarthy, *T. kosciuszkoensis* Elix, *T. pruinoso* Elix & P.M. McCarthy.]
- Elix, J. A. & P. M. McCarthy. 2020. Three new species of buellioid lichens (Caliciaceae, Ascomycota) from south-eastern Australia. *Australasian Lichenology* 86: 30–35. [New (all from Australia): *Amandinea bittangabeensis* Elix & P.M.McCarthy, *A. hypohyalina* Elix & P.M.McCarthy, *Buellia quarryana* Elix & P.M.McCarthy.]
- Elix, J. A., D. O. Øvstedal & P. A. Broady. 2020. A new sorediate species of *Amandinea* (Caliciaceae, Ascomycota) from Antarctica. *Australasian Lichenology* 86: 70–73. [New: *A. clearyi* Elix & Øvstedal (from Antarctica).]
- Ertz, D., A. Aptroot, N. Sanderson, B. Coppins, D. van den Broeck & P. Diederich. 2020. A new species of *Synarthonia* from Luxembourg, and a new combination in the genus *Reichlingia* (Arthoniaceae). *The Lichenologist* 52(4): 261–266. [New: *Reichlingia dendritica* (Leight.) Ertz & Sanderson (≡ *Stigmatidium dendriticum* Leight.), *Synarthonia leproidica* Ertz, Aptroot & Diederich (from Luxembourg).]
- Estvão, D. M. M. 2015. Production of UV-B screens and changes in photosynthetic efficiency in Antarctic *Nostoc commune* colonies and a lichen *Xanthoria elegans* depend on a dose and duration of UV-B stress. *Czech Polar Reports* 5(1): 55–68.
- Fang, H., C. C. Labandeira, Y. Yiming Ma, B. Zheng, D. Ren, X. Wei, J. Liu & Y. Wang. 2020. Lichen mimesis in mid-Mesozoic lacewings. *eLife* 9: e59007. [Suggests that insect mimicry of lichens was presented 165 MYA.]
- Farkas, E., B. Biró, Z. Csintalan & K. Veres. 2020. Acetone rinsing tolerance of the lichen species *Cladonia foliacea* is considerable. *The Lichenologist* 52(4): 325–327.
- Folgar-Cameán, Y. & M. Barták. 2019. Evaluation of photosynthetic processes in Antarctic mosses and lichens exposed to controlled rate cooling: Species-specific responses. *Czech Polar Reports* 9(1): 114–124.
- Fryday, A. M. 2002. A revision of the species of the *Rhizocarpon hochstetteri* group occurring in the British Isles. *The Lichenologist* 34(6): 451–477. [New: *R. caesium* Fryday (from Great Britain, Ireland & Canada), *R. infernum* f. *sylvaticum* Fryday (from Great Britain, Ireland, Canada, Sweden, U.S.A.). Lectotypified: *Catillaria massalongoi* Körb. (= *R. massalongoi*), *Lecidea atro-alba* [var.] *concreta* Ach. (≡ *R. concretum*), *L. decinascens* Nyl. (= *R. infernum*), *L. hochstetteri* f. *incrassata* Vain. (= *R. hochstetteri*), *L. infernula* Nyl. (≡ *R. infernum*), *Patillaria cinereovirens* Müll. Arg. (≡ *R. cinereovirens*).]
- Fryday, A. M. 2020. [Review] Moore, O. 2019. Bryophytes and Lichens of Letterewe. Ross-shire, Scotland, Letterewe Estate. *The Lichenologist* 52(3): 257–258.
- Gauslaa, Y. & T. Goward. 2020. Melanic pigments and canopy-specific elemental concentration shape growth rates of the lichen *Lobaria pulmonaria* in unmanaged mixed forest. *Fungal Ecology* 47: 100984.
- Gheza, G., M. Ottonello, J. Nascimbene & H. Mayrhofer. 2020. The genus *Cladonia* in western Liguria (Northern Italy). *Herzogia* 33(1): 57–67.
- Gockman, O. T., S. B. Selver & R. T. McMullin. 2020. Calicioid lichens and fungi of Minnesota, U.S.A.: Including two new species, *Chaenothecopsis jordaniana* and *C. penningtonensis* (Mycocaliciaceae). *The Bryologist* 123(2): 235–259. [New (both form U.S.A.): *C. jordaniana* Gockman & Selva, *C. penningtonensis* Gockman & Selva.]
- Gupta, P., P. Randive, S. Nayaka, R. Daimari, S. Joseph & M. K. Janarthanam. 2020. New records of graphidoid and thelotremoid lichens from India. *Mycotaxon* 135(2): 345–354.
- Górka, K. & S. Sokół. 2015. An attempt to assess the air quality in the Opole City using the epiphytic lichen data. *Opole Scientific Society Nature Journal* 48: 83–94.
- Halici, M. G. & M. Barták. 2019. *Sphaerellothecium reticulatum* (Zopf) Etayo, a new lichenicolous fungus for Antarctica. *Czech Polar Reports* 9(1): 13–19.
- Halici, M. G., O. M. Osmanoglu & M. Kahraman. 2020. A new record of lichenized fungus species for Antarctica: *Peltigera castanea* Goward, Goffinet & Miądł. *Czech Polar Reports* 10(1): 50–58.

- Hoffman, J. R. & J. C. Lendemer. 2020. *Caloplaca edwardiana* (Teloschistaceae, lichenized Ascomycetes), a new crustose species from the southern Appalachian Mountains of eastern North America. *The Bryologist* 123(2): 225–234. [New: *C. edwardiana* J.R.Hoffm. & Lendemer (from U.S.A.).]
- Hojdová, A. & J. Hájek. 2020. [Abstract] Resistance of Antarctic lichens and unicellular alga *Trebouxia* sp. to extreme temperature: Laboratory study of linear cooling and shock freezing. *Czech Polar Reports* 10(1): 144–146. [Extended abstract.]
- John, V., S. Güvenc & A. Türk. 2020. Additions to the checklist and bibliography of the lichens and lichenicolous fungi of Turkey. *Archive for Lichenology* 19: 1–32.
- Joseph, S., G. P. Sinha & S. Nayaka. 2020. Taxonomic status of the genus *Schismatomma* (lichenized Ascomycota: Arthoniales) in India. *The Lichenologist* 52(4): 329–331.
- Kaasalainen, U., J. Rikkinen & A. R. Schmidt. 2020. Fossil *Usnea* and similar fruticose lichens from Palaeogene amber. *The Lichenologist* 52(4): 319–324.
- Kalb, K. 2020. New or otherwise interesting lichens. VIII. Eight new species, mainly from the family Graphidaceae, and two new records. *Archive for Lichenology* 18: 1–14. [New: *Chapsa canaimae* Kalb (from Venezuela), *Dirinaria hypoleuca* Kalb (from Thailand), *Myriotrema robertianum* Kalb (from Brazil), *M. subzollingeri* Kalb (from Brazil), *Ocellularia jutaratia* Kalb (from Brazil), *O. subnatashae* Kalb (from Brazil), *Redingeria uniseptata* Kalb (from Brazil), *Thalloloma intermedium* Kalb (from Brazil).]
- Kalb, K., F. Schumm & J. A. Elix. 2020. Pigments and new lichen substances in the lichen genus *Dirinaria*. *Australasian Lichenology* 86: 6–13. [New: *D. endocrocea* (D.D.Awasthi) Kalb, Schumm & Elix ( $\equiv$  *D. confusa* var. *endocrocea* D.D.Awasthi), *D. rhodocladonica* Kalb, Schumm & Elix nom. nov. ( $\equiv$  *Physcia aegialita* f. *coccinea* Lyngé). Includes key to *Dirinaria* species with purple and red pigments.]
- Kantvilas, G. 2020. Contributions to the lichen genus *Cresponea* (Roccellaceae). *The Lichenologist* 52(4): 279–285. [New (from Australia): *C. graemeanae* Kantvilas, *C. subpremnea* (Kantvilas & Vězda) Kantvilas ( $\equiv$  *Lecanactis subpremnea* Kantvilas & Vězda). Includes key to *Cresponea* in Australia.]
- Kazemi, S. S., I. Mehregan, Y. Asri, S. Saadatmand & H. J. M. Sipman. 2020. Four new *Lepraria* species for Iran, with a key to all Iranian species. *Mycotaxon* 135(2): 235–244.
- Knudsen, K., L. Arcadia & J. Kocourková. 2019. *Acarospora squamulosa*, the correct name for *A. peliocypha*. *Mycotaxon* 134(2): 281–287. [*Lichen squamulosus* is lectotypified.]
- Knudsen, K. & J. Kocourková. 2020. *Acarospora scottii* and *Sarcogyne paradoxa* spp. nov. from North America. *Mycotaxon* 135(2): 453–463. [New: *A. scottii* K.Knudsen & Kocourk. (on *Aspicilia* from Canada & U.S.A.), *S. paradoxa* Kocourk. & K.Knudsen (from U.S.A.).]
- Knudsen, K. & J. Kocourková. 2020. Lichenological Notes 7: On taxa of *Acarospora* and *Sarcogyne*. *Opuscula Philolichenum* 19: 158–162.
- Knudsen, K., J. Malíček & J. Kocourková. 2019. The conserved type of *Lichen fuscatus* ( $\equiv$  *Acarospora fuscata*). *Mycotaxon* 134(2): 295–300.
- Konoreva, L., M. Kozhin, S. Chesnokov & S. G. Hong. 2019. Lichens and vascular plants in Duvefjorden area on Nordaustlandet, Svalbard. *Czech Polar Reports* 9(2): 182–199.
- Košuthová, A., J. Bergsten, M. Westberg & M. Wedin. 2020. Species delimitation in the cyanolichen genus *Rostania*. *BMC Evolutionary Biology* 20(1): 115.
- Krempelhuber, A. v. 1871. Flechten aus Amboina. *Verhandlungen der Kaiserlich-Königlichen Zoologisch-Botanischen Gesellschaft in Wien* 21: 861–872, tab. VI–VIII. [A manuscript of A. Massalongo in which he treats the lichens collected by C.L. Doleschall on Amboina [Ambon Island], describing 15 species, edited and completed by Krempelhuber. In German.]
- Kuusinen, N., J. Juola, B. Karki, S. Stenroos & M. Rautiainen. 2020. A spectral analysis of common boreal ground lichen species. *Remote Sensing of Environment* 247: 111955.
- LaGreca, S., H. T. Lumbsch, M. Kukwa, X. Wei, J. E. Han, K. H. Moon, H. Kashiwadani, A. Aptroot & S. D. Leavitt. 2020. A molecular phylogenetic evaluation of the *Ramalina siliquosa* complex, with notes on species circumscription and relationships within *Ramalina*. *The Lichenologist* 52(3): 197–211.
- Lauriault, P. & Y. F. Wiersma. 2020. Identifying important characteristics for critical habitat of boreal felt lichen (*Erioderma pedicellatum*) in Newfoundland, Canada. *The Bryologist* 123(3): 412–420.
- Lendemer, J. C. & J. L. Allen. 2020. A revision of *Hypotrachyna* subgenus *Parmelinopsis* (Parmeliaceae) in eastern North America. *The Bryologist* 123(2): 265–332. [New (all from U.S.A.): *Hypotrachyna appalachensis* Lendemer & J.L.Allen, *H. kauffmaniana* Lendemer & J.L.Allen, *H. mcmullinuana* Lendemer & J.L.Allen. *Hypotrachyna showmanii* Hale lectotypified. Includes key to *Hypotrachyna* subgen. *Parmelinopsis* in eastern North America.]
- Lendemer, J. C. & J. Coyle. 2020. Dissimilar biodiversity data sets yield congruent patterns and inference in lichens. *Botany*: 10. 1139/cjb–2020–0086.
- Mallen-Cooper, M. & W. K. Cornwell. 2020. A systematic review of transplant experiments in lichens and bryophytes. *The Bryologist* 123(3): 443–453.
- Malme, G. O. A. 1929. Pyrenulae et Anthracothecia Herbarii Regnelliani. *Arkiv för botanik* 22A(11): 1–40.
- Martínez, L. R. 2020. [Thesis] Revisión de los líquenes tomentosos del género *Leptogium* (Collemaataceae-Ascomycetes liquenizados) presentes en la colección del herbario forestal Emilio Mahecha- Sección criptógamas. Universidad Distrital Francisco José de Caldas, Bogotá. i–xi, 1–98 pages. [In Spanish with English abstract.]
- Matwiejuk, A. 2008. Lichens of Mielnik on Bug River (Podlasie, Eastern Poland). *Opole Scientific Society Nature Journal* 41: 5–18.
- Matwiejuk, A. 2009. Lichens of the Boćki and its surroundings in Podlasie (NE Poland) [Porosty Miejsowości Boćki i Okolic Na Podlasiu (NE Polska)]. *Opole Scientific Society Nature Journal* 42: 49–61. [In Polish with English abstract.]
- Mayrhofer, H., A. Atanassova, S. O. Nikolova & C. M. Denchev. 2020. Additions to the lichenized and lichenicolous fungi in Bulgaria. *Mycobiota* 10: 39–62.
- McCarthy, P. M. 2020. *Verrucaria kowenensis* (lichenized Ascomycota, Verrucariaceae), a new species on soil in the Australian Capital Territory. *Australasian Lichenology* 86: 3–5. [New: *V. kowenensis* P.M.McCarthy (from Australia).]
- McCarthy, P. M. & J. A. Elix. 2020. A new species of *Circinaria* (Megasperaceae) from New South Wales, Australia. *Australasian Lichenology* 86: 90–94. [New (from Australia): *C. deminuta* P.M.McCarthy & Elix.]
- McCarthy, P. M. & J. A. Elix. 2020. Additional lichen records from Australia 86. *Hymenelia ceracea* (Arnold) M.Choisy and *Thelenella fernandeziana* (Zahlbr.) H.Mayrhofer. *Australasian Lichenology* 86: 118–122.

- McCarthy, P. M. & J. A. Elix. 2020. Three new species of *Sarcogyne* (Acarosporaceae) from the Australian Capital Territory. *Australasian Lichenology* 86: 74–86. [New (all from Australia): *S. molongloensis* P.M.McCarthy & Elix, *S. porphyricola* P.M.McCarthy & Elix, *S. terrulenta* P.M.McCarthy & Elix.]
- McCarthy, P. M., J. A. Elix & G. Kantvilas. 2020. New species and new records of the lichen genus *Rhizocarpon* from Tasmania, with a key to the Australian taxa. *Australasian Lichenology* 86: 36–61. [New: *R. australpinum* P.M.McCarthy, Elix & Kantvilas, *R. exiguum* P.M.McCarthy, Elix & Kantvilas, *R. torquatium* P.M.McCarthy, Elix & Kantvilas. Includes key to *Rhizocarpon* in Australia.]
- McCarthy, P. M. & G. Kantvilas. 2020. *Thelidium carbonaceum* (Verrucariaceae), a new saxicolous lichen from Tasmania. *Australasian Lichenology* 86: 109–113. [New (from Australia): *T. carbonaceum* P.M.McCarthy & Kantvilas.]
- McMullin, R. T. & S. Rapai. 2020. A review of reindeer lichen (*Cladonia* subgenus *Cladina*) linear growth rates. *Rangifer* 40(1): 15–26.
- McMullin, R. T., B. McCune & J. C. Lendemer. 2020. *Bacidia gigantensis* (Ramalinaceae), a new species with homosekikaic acid from the north shore of Lake Superior in Ontario, Canada. *The Bryologist* 123(2): 215–224. [New: *B. gigantensis* Lendemer, McCune & McMullin (from Canada).]
- Meinunger, L. & H. Grünberg. 2019. Florenatlas der Flechten des Thüringer Waldes, der Rhön und angrenzender Gebiete. *Hausknechtia*, Beiheft. Thüringische Botanische Gesellschaft, Jena. 1404 pages. [In German, published in two parts, paginated continuously.]
- Mercado-Díaz, J. A., R. Lücking, B. Moncada, T. J. Widhelm & H. T. Lumbsch. 2020. Elucidating species richness in lichen fungi: The genus *Sticta* (Ascomycota: Peltigeraceae) in Puerto Rico. *Taxon* 69(5): 851–891. [New (all from Puerto Rico): *S. borinquensis* Merc.-Díaz & Lücking, *S. corymbosa* Merc.-Díaz & Moncada, *S. densiphyllidiata* Merc.-Díaz & Lücking, *S. guilartensis* Merc.-Díaz, *S. harrisii* Merc.-Díaz, Moncada & Lücking, *S. parvilobata* Merc.-Díaz, *S. riparia* Merc.-Díaz, *S. tainorum* Merc.-Díaz.]
- Miao, C., R. Tang, L. Dong, Z. Ren & Z. Zhao. 2019. *Haematomma pluriseptatum* sp. nov. from China. *Mycotaxon* 134(4): 637–641. [New: *H. pluriseptatum* R.Tang (from China). Includes key to *Haematomma* in China.]
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