

ČESKÁ A SLOVENSKÁ LICHENOLOGICKÁ BIBLIOGRAFIE XXXII

Czech and Slovak lichenological bibliography, XXXII



Zdeněk Palice

Botanický ústav AV ČR, v. v. i., Zámek 1, CZ-252 43 Průhonice,
e-mail: zdenek.palice@ibot.cas.cz

- Ametrano C. G., Knudsen K., Kocourková J., Grube M., Selbmann L. & Muggia L. (2019): Phylogenetic relationships of rock-inhabiting black fungi belonging to the widespread genera *Lichenothelia* and *Saxomyces*. – Mycologia 111: 127–160.
- Arcadia L. in, Knudsen K. & Kocourková J. (2019): (2712) Proposal to conserve the name *Lichen cervinus* (*Acarospora cervina*) with a conserved type (Acarosporaceae, lichenised Ascomycota). – Taxon 68: 1113–1114.
- Barták M., Láska K., Hájek J. & Váczí P. (2019): Microclimate variability of Antarctic terrestrial ecosystems manipulated by open top chambers: Comparison of selected austral summer seasons within a decade. – Czech Polar Reports 9: 88–106.
- Bérešová A. (2019): [Personalia:] Jubileum RNDr. Anny Lackovičovej, CSc. (*26. 7. 1949). – Bryonora 64: 56–57.
- Biľová I., Goga M. & Bačkor M. (2019): Physiological responses of *Xanthoria parietina* to long-term copper excess: role of the extracellular secondary metabolite parietin. – Botanica Serbica 43: 133–142.
- Blanár D., Gutová A., Mihál I., Plášek V., Hauer T., Palice Z. & Ujházy K. (2019): Effect of magnesite dust pollution on biodiversity and composition of oak-hornbeam woodlands in the Western Carpathians. – Biologia 74: 1591–1611.
- Bouda F., Syrovátková L., Halda J. P., Malíček J., Palice Z. & Vondrák J. (2019): Lišeňníky zaznamenané během 26. jarního setkání Bryologicko-lichenologické sekce ČBS ve Zlatoohorské vrchovině a v Jeseníkách v dubnu 2019. – Bryonora 64: 1–20.
- Brodo I. M., Haldeman M. & Malíček J. (2019): Notes on species of the *Lecanora albella* group (Lecanoraceae) from North America and Europe. – Bryologist 122: 430–450.
- Casanova-Katny A., Barták M. & Gutierrez C. (2019): Open top chamber microclimate may limit photosynthetic processes in Antarctic lichen: Case study from King George Island, Antarctica. – Czech Polar Reports 9: 61–77.
- Coufalík P., Uher A., Zvěřina O. & Komárek J. (2020): Determination of cadmium in lichens by solid sampling graphite furnace atomic absorption spectrometry (SS-GF-AAS). – Environmental Monitoring and Assessment 192: 222, DOI 10.1007/s10661-020-8186-5.
- Černajová I. & Škaloud P. (2019): The first survey of Cystobasidiomycete yeasts in the lichen genus *Cladonia*; with the description of *Lichenozyma pisutiana* gen. nov., sp. nov. – Fungal Biology 123: 625–637.
- Demková L., Árvay J., Bobušská L., Hauptvogl M. & Hrstková M. (2019): Open mining pits and heaps of waste material as the source of undesirable substances: biomonitoring of air and soil pollution in former mining area (Dubník, Slovakia). – Environmental Science and Pollution Research 26: 35227–35239.

- Demková L., Árvay J., Bobušká L., Hauptvogl M. & Michalko M. (2019): Activity of the soil enzymes and moss and lichen biomonitoring method used for the evaluation of soil and air pollution from tailing pond in Nižná Slaná (Slovakia). – Journal of Environmental Science and Health, Part A, 54: 495–507.
- Demková L., Oboňa J., Árvay J., Michalková J. & Lošák T. (2019): Biomonitoring road dust pollution along streets with various traffic densities. – Polish Journal of Environmental Studies 28: 3687–3696.
- Dietrich M. & Malíček J. (2019): *Cliostomum haematommatis* und *Loxospora cristinae* – zwei wenig bekannte corticole, sorediöse Krustenflechten in der Schweiz. – Meylania 63: 22–29.
- Dołhańczuk-Śródka A., Ziembik Z., Kříž M., Hyšplerová L. & Wacławek M. (2015): Pb-210 isotope as a pollutant emission indicator. – Ecological Chemistry and Engineering S 22: 73–81.
- Emmer A., Juřicová A. & Veettil B. K. (2019): Glacier retreat, rock weathering and the growth of lichens in the Churup Valley, Peruvian Tropical Andes. – Journal of Mountain Science 16: 1485–1499.
- Fačkovcová Z., Guttová A., Benesperi R., Loppi S., Bellini E., Sanità di Toppi L. & Paoli L. (2019): Retaining unlogged patches in Mediterranean oak forests may preserve threatened forest macrolichens. – iForest 12: 187–192.
- Fačkovcová Z., Lókós L., Farkas E. & Guttová A. (2019): New records of species of the lichen genus *Solenopsora* A.Massal. in the Balkan Peninsula and adjacent islands. – Herzogia 32: 101–110.
- Fačkovcová Z. & Paoli L. (2019): The lichens of the Krasín Nature Reserve in Biele Karpaty Mts (Western Carpathians, Slovakia). – Studia botanica hungarica 50: 307–316.
- Flakus A., Etayo J., Pérez-Ortega S., Kukwa M., Palice Z. & Rodriguez-Flakus P. (2019): A new genus, *Zhurbancoa*, and a novel nutritional mode revealed in the family Malmideaceae (Lecanoromycetes, Ascomycota). – Mycologia 111: 593–611.
- Folgar-Cameán Y. & Barták M. (2019): Evaluation of photosynthetic processes in Antarctic mosses and lichens exposed to controlled rate cooling: Species-specific responses. – Czech Polar Reports 9: 114–124.
- Frisch A., Klepsland J., Palice Z., Bendiksby M., Tønsberg T. & Holien H. (2020): New and noteworthy lichens and lichenicolous fungi from Norway. – Graphis Scripta 32: 1–47.
- Goga M. & Dudáš M. (2019): Lichens from the Zemplínske vrchy Mts and *Physcia leptalea* new to Slovakia. – Acta Botanica Hungarica 61: 11–21.
- Goga M., Elečko J., Marcinčinová M., Ručová D., Bačkorová M. & Bačkor M. (2020): Lichen metabolites: An overview of some secondary metabolites and their biological potential. – In: Mérillon J. M. & Ramawat K. [eds], Co-Evolution of Secondary Metabolites. Reference Series in Phytochemistry: 175–209, Springer, Cham.
- Goga M., Kello M., Vilkova M., Petrova K., Backor M., Adlassnig W. & Lang I. (2019): Oxidative stress mediated by gyrophoric acid from the lichen *Umbilicaria hirsuta* affected apoptosis and stress/survival pathways in HeLa cells. – BMC Complementary and Alternative Medicine 19: 221, DOI 10.1186/s12906-019-2631-4.
- Guttová A. (2019): [Životné jubileá:] RNDr. Anna Lackovičová, CSc. jubiluje. – Bulletin Slovenskej botanickej spoločnosti 41: 254–257.
- Guttová A. & El Mokni R. (2019): Lichens collected during the 12th 'Iter Mediterraneum' in Tunisia (24 March – 4 April, 2014). Part II. – Studia botanica hungarica 50: 317–322.
- Guttová A., Fačkovcová Z., Martellos S., Paoli L., Munzi S., Pittao E. & Ongaro S. (2019): Ecological specialization of lichen congeners with a strong link to Mediterranean-type climate: A case study of the genus *Solenopsora* in the Apennine Peninsula. – Lichenologist 51: 75–88.

- Guttová A., Fačkovcová Z., Paoli L., Munzi S. & Lackovičová A. (2019): Zaujímavéjší floristické nálezy. – Bulletin Slovenskej botanickej spoločnosti 41: 231–233.
- Guttová A., Halda J. P. & Palice Z. (2019): Lišajníky Muránskej planiny V. – Bulletin Slovenskej botanickej spoločnosti 41: 159–186.
- Halda J. P. (2019): Lišejníky v PR Krkanka v CHKO Železné hory. – Východočeský sborník přírodovědný. Práce a studie 25: 47–68.
- Halda J. P., Bouda F., Malíček J., Palice Z., Svoboda D. & Vondrák J. (2018): Přírodní rezervace Černý důl – miniaturní relikt bukového pralesa v Orlických horách. – Orlické hory a Podorlicko 25: 237–252.
- Halici M. G. & Barták M. (2019): *Sphaerellothecium reticulatum* (Zopf) Etayo, a new lichenicolous fungus for Antarctica. – Czech Polar Reports 9: 13–19.
- Hassan S. T. S., Šudomová M., Berchová-Bimová K., Gowrishankar S. & Rengasamy K. R. R. (2018): Antimycobacterial, enzyme inhibition, and molecular interaction studies of psoromic acid in *Mycobacterium tuberculosis*: Efficacy and safety investigations. – Journal of Clinical Medicine 7: 226, DOI 10.3390/jcm7080226.
- Hassan S. T. S., Šudomová M., Berchová-Bimová K., Šmejkal K. & Echeverría J. (2019): Psoromic acid, a lichen-derived molecule, inhibits the replication of HSV-1 and HSV-2, and inactivates HSV-1 DNA polymerase: Shedding light on antiherpetic properties. – Molecules 24: 2912, DOI 10.3390/molecules24162912.
- Hofmeister J., Hošek J., Brabec M., Hermy M., Dvořák D., Fellner R., Malíček J., Palice Z., Tenčík A., Holá E., Novozámská E., Kuras T., Trnka F., Zedek M., Kašák J., Gabriš R., Sedláček O., Tajovský K. & Kadlec T. (2019): Shared affinity of various forest-dwelling taxa point to the continuity of temperate forests. – Ecological Indicators 101: 904–912.
- Horák J., Brestovanská T., Mladenović S., Kout J., Bogusch P., Halda J. P. & Zasadil P. (2019): Green desert?: Biodiversity patterns in forest plantations. – Forest Ecology and Management 433: 343–348.
- Horák J., Materna J., Halda J. P., Mladenović S., Bogusch P. & Pech P. (2019): Biodiversity in remnants of natural mountain forests under conservation-oriented management. – Scientific Reports 9: 89, DOI 10.1038/s41598-018-35448-7.
- Ismailov A. B., Urbanavichus G. P. & Vondrák J. (2019): New lichenized fungi for Russia from Dagestan (East Caucasus). – Folia Cryptogamica Estonica 56: 7–10.
- Ismailov A. B., Vondrák J. & Urbanavichus G. P. (2019): The express-method of estimation of epiphytic lichens diversity. – Lesovedenie 4/2019: 494–303. [in Russian]
- Kliment J., Hrabovský M., Kučera V., Guttová A., Hindáková A. & Guričanová D. (2019): Rodová homonymia v slovenskom odbornom botanickej menosloví a jej riešenie. – Kultúra slova 53: 335–341.
- Knudsen K., Adams J. N., Kocourková J., Wang Y., Ortáñez J. & Stajich J. E. (2020): The monophyletic *Sarcogyne canadensis-wheeleri* clade, a newly recognized group sister to the European *Acarospora glaucocarpa* group. – Bryologist 123: 11–30.
- Knudsen K., Arcadia L. in & Kocourková J. (2019): *Acarospora squamulosa*, the correct name for *A. peliocypha*. – Mycotaxon 134: 281–287.
- Knudsen K., Kocourková J. & Lendemer J. C. (2020): *Calicium brachysporum*, a rare California endemic. – Bulletin of the California Lichen Society 26: 51–53.
- Knudsen K., Malíček J. & Kocourková J. (2019): The conserved type of *Lichen fuscatus* [= *Acarospora fuscata*]. – Mycotaxon 134: 295–300.
- Komendova R. (2018): The use of bioindicators for assessing atmospheric pollution with platinum metals. – Fresenius Environmental Bulletin 27: 3444–3451.
- Komendova R. (2020): The HR-CS-GF-AAS determination and preconcentration of palladium in contaminated urban areas, especially in lichens. – Environmental Pollution 256: 985–991.

- Komendova R., Nevrla J., Kuta J. & Sommer L. (2016): Innovative preconcentration technique on polymer sorbent for simultaneous determination of platinum group metals in the waters and lichen *Hypogymnia physodes*. – Fresenius Environmental Bulletin 25: 5172–5179.
- Kondratyuk S., Lőkös L., Farkas E., Jang S.-H., Liu D., Halda J., Persson P.-E., Hansson M., Kárnefelt I., Thell A. & Hur J.-S. (2019): Three new genera of the Ramalinaceae (lichen-forming Ascomycota) and the phenomenon of presence of 'extraneous mycobiont DNA' in lichen associations. – Acta Botanica Hungarica 61: 275–323.
- Kondratyuk S., Lőkös L., Farkas E., Jang S.-H., Liu D., Halda J., Persson P.-E., Hansson M., Kárnefelt I., Thell A., Fačkovcová Z., Yamamoto Y. & Hur J.-S. (2019): New and noteworthy lichen-forming and lichenicolous fungi 9. – Acta Botanica Hungarica 61: 325–367.
- Kondratyuk S. Y., Halda J. P., Lőkös L., Yamamoto Y., Popova L. P. & Hur J.-S. (2019): New and noteworthy lichen-forming and lichenicolous fungi 8. – Acta Botanica Hungarica 61: 101–135.
- Kondratyuk S. Y., Lőkös L., Halda J., Lee B. G., Jang S.-H., Woo J.-J., Park J. S., Oh S.-O., Han S.-K. & Hur J.-S. (2019): *Arthonia dokdoensis* and *Rufoplaca toktoana* – two new taxa from Dokdo Islands (South Korea). – Mycobiology 47: 355–367.
- Košuthová A., Westberg M., Otálora M. A. G. & Wedin M. (2019): *Rostania* revised: testing generic delimitations in Collemataceae (Peltigerales, Lecanoromycetes). – MycoKeys 47: 17–33.
- Kováčik J., Dresler S., Micalizzi G., Babula P., Hladký J. & Mondello L. (2019): Nitric oxide affects cadmium-induced changes in the lichen *Ramalina farinacea*. – Nitric Oxide 83: 11–18.
- Kubásek J. & Vondrák J. (2019): Existují pololišejníky? – Botanika 1/2019: 15–17.
- Launis A., Malíček J., Svensson M., Tsurykau A., Sérusiaux E. & Myllys L. (2019): Sharpening species boundaries in the *Micarea prasina* group, with a new circumscription of the type species *M. prasina*. – Mycologia 111: 574–592.
- Liu D., Kondratyuk S. Y., Lőkös L., Halda J. P., Jeong M.-H., Park J.-S., Woo J.-J. & Hur J.-S. (2019): Two new corticolous buellioid species from South Korea. – Mycobiology 47: 143–153.
- Lukáč M., Prokipčák I., Lacko I. & Devínsky F. (2012): Solubilisation of (+)-usnic acid in aqueous micellar solutions of gemini and heterogemini surfactants and their equimolar mixture. – Acta Facultatis Pharmaceuticae Universitatis Comenianae 59: 36–43.
- Malíček J., Bouda F., Peksa O. & Syrovátková L. (2019): Lišeňníky zaznamenané během bryologicko-lichenologických dnů na Broumovsku. – Bryonora 63: 13–22.
- Malíček J., Man M. & Novotný P. (2019): DaLiBor – nejobsáhlější databáze rozšíření mechorostů a lišeňníků v ČR. – Botanika 2/2019: 7–9.
- Malíček J., Palice Z., Vondrák J., Kostovčík M., Lenzová V. & Hofmeister J. (2019): Lichens in old-growth and managed mountain spruce forests in the Czech Republic: assessment of biodiversity, functional traits and bioindicators. – Biodiversity and Conservation 28: 3497–3528.
- Marečková M., Barták M. & Hájek J. (2019): Temperature effects on photosynthetic performance of Antarctic lichen *Dermatocarpon polyphyllum*: a chlorophyll fluorescence study. – Polar Biology 42: 685–701.
- Mejstřík V. (2019): Lišeňníky vrchu Praha v Brdech. – Bohemia centralis 35: 161–168.
- Mishra K. B., Vítěk P. & Barták M. (2019): A correlative approach, combining chlorophyll a fluorescence, reflectance, and Raman spectroscopy, for monitoring hydration induced changes in Antarctic lichen *Dermatocarpon polyphyllum*. – Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 208: 13–23.

- Nývlt D., Nývltová Fišáková M., Barták M., Stachoň D., Pavel V., Mlčoch B. & Láska K. (2016): Death age, seasonality, taphonomy and colonization of seal carcasses from Ulu Peninsula, James Ross Island, Antarctic Peninsula. – *Antarctic Science* 28: 3–16.
- Ondráček Č. & Wagner B. (2017): *Stereocaulon alpinum* – druhá lokalita v Krušných horách. – *Severočeskou přírodou* 49: 130.
- Palice Z. (2019): Česká a slovenská lichenologická bibliografie XXXI. – *Bryonora* 63: 35–39.
- Paoli L., Benesperi R., Fačkovcová Z., Nascimbene J., Ravera S., Marchetti M., Anselmi B., Landi M., Landi S., Bianchi E., Di Nuzzo L., Lackovičová A., Vannini A., Loppi S. & Guttová A. (2019): Impact of forest management on threatened epiphytic macrolichens: evidence from a Mediterranean mixed oak forest (Italy). – *iForest* 12: 383–388.
- Paoli L., Fačkovcová Z., Guttová A., Maccelli C., Kresářová K. & Loppi S. (2019): *Evernia* goes to school: Bioaccumulation of heavy metals and photosynthetic performance in lichen transplants exposed indoors and outdoors in public and private environments. – *Plants* 8(5): 125, DOI 10.3390/plants8050125.
- Paukov A. G., Davydov E. A., Nordin A., Roux C., Şenkardeşler A., Sohrabi M., Vondrák J., Frolov I. V., Teptina A. Y. & Shiryaeva A. S. (2019): Three new species, new combinations and a key to known species of *Lobothallia* (Megasporaceae). – *Lichenologist* 51: 301–322.
- Peksa O. (2018): Lišeňníky Slavkovského lesa VI. – lichenoflóra hadců. – *Arnika* 2019/1: 36–39.
- Petrzík K., Koloniuk I., Sehadová H. & Sarkisova T. (2019): Chrysovirususes inhabited symbiotic fungi of lichens. – *Viruses* 11: 1120, DOI 10.3390/v11121120.
- Pizňák M. & Baćkor M. (2019): Lichens affect boreal forest ecology and plant metabolism. – *South African Journal of Botany* 124: 530–539.
- Pizňák M., Kolarčík V., Goga M. & Baćkor M. (2019): Allelopathic effects of lichen metabolite usnic acid on growth and physiological responses of Norway spruce and Scots pine seedlings. – *South African Journal of Botany* 124: 14–19.
- Ravera S., Puglisi M., Vizzini A., Totti C., Aleffi M., Barberis G., Benesperi R., von Brackel W., Dagnino D., De Giuseppe A. B., Fačkovcová Z., Gheza G., Giordani P., Guttová A., Mair P., Mayrhofer H., Nascimbene J., Nimis P. L., Paoli L., Passalacqua N. G., Pittao E., Poponessi S., Prosser F., Ottomello M., Puntillo D., Puntillo M., Sicoli G., Sguazzin F., Spitale D., Tratter W., Turcato C. & Vallese C. (2019): Notulae to the Italian flora of algae, bryophytes, fungi and lichens: 7. – *Italian Botanist* 7: 69–91.
- Ravera S., Puglisi M., Vizzini A., Totti C., Arosio G., Benesperi R., Bianchi E., Boccardo F., Briozzo I., Dagnino D., De Giuseppe A. B., Dovana F., Di Nuzzo L., Fascetti S., Gheza G., Giordani P., Malíček J., Mariotti M. G., Mayrhofer H., Minuto L., Nascimbene J., Nimis P. L., Martellos S., Passalacqua N. G., Pittao E., Potenza G., Puntillo D., Rosati L., Sicoli G., Spitale D., Tomaselli V., Trabucco R., Turcato C., Vallese C. & Zardini M. (2019): Notulae to the Italian flora of algae, bryophytes, fungi and lichens: 8. – *Italian Botanist* 8: 47–62.
- Ručová D., Goga M., Saboljjević M. S., Vilková M., Petrušová V. & Baćkor M. (2019): Insights into physiological responses of mosses *Physcomitrella patens* and *Pohlia drummondii* to lichen secondary metabolites. – *Protoplasma* 256: 1585–1595.
- Solárová Z., Lisková A., Samec M., Kubatka P., Büsselberg D. & Solár P. (2020): Anticancer potential of lichens' secondary metabolites. – *Biomolecules* 10: 87, DOI 10.3390/biom10010087.
- Spribille T., Fryday A. M., Pérez-Ortega S., Svensson M., Tønsberg T., Ekman S., Holien H., Resl P., Schneider K., Stabentheiner E., Thüs H., Vondrák J. & Sharman L. (2020): Lichens and associated fungi from Glacier Bay National Park, Alaska. – *Lichenologist* 52: 61–181.

- Steinová J., Škaloud P., Yahr R., Bestová H. & Muggia L. (2019): Reproductive and dispersal strategies shape the diversity of mycobiont-photobiont association in *Cladonia* lichens. – Molecular Phylogenetics and Evolution 134: 226–237.
- Šoun J., Malíček J. & Vondrák J. (2019): Zajímavé nálezy lišejníků v Brdech a na Rokycanskú. – Erica 26: 45–64.
- Spryňar P., Palice Z. & Soldán Z. (2015): Za mechrosty, lišejníky a cévnatými rostlinami z Karlštejna do Srbska. – Český kras 40 (2014): 33–40.
- Tzonev R., Valachovič M., Ganeva A., Berešová A., Popgeorgiev G., Gussev C. & Fačkovcová Z. (2019): Low-altitudinal siliceous and base-rich screes: new habitats to Bulgaria from the Habitats Directive. – Phytologia Balcanica 25: 287–294.
- Uhliš P. & Šindelář J. (2019): Experimentální přírodní expozice lišejníků v Bečovské botanické zahradě. – Nová Botanika 2019/1: 43–45.
- Váczí P., Gauslaa Y. & Solhaug K. A. (2019): Reprint of efficient fungal UV-screening provides a remarkably high UV-B tolerance of photosystem II in lichen photobionts. – Plant Physiology and Biochemistry 134: 123–128.
- Vondrák J., Frolov I., Davydov E. A., Yakovchenko L., Malíček J., Svoboda S. & Kubásek J. (2019): The lichen family Teloschistaceae in the Altai-Sayan region (Central Asia). – Phytotaxa 396: 1–66.
- Vondrák J., Frolov I., Košnar J., Arup U., Veselská T., Halıcı G., Malíček J. & Søchting U. (2020): Substrate switches, phenotypic innovations and allopatric speciation formed taxonomic diversity within the lichen genus *Blastenia*. – Journal of Systematics and Evolution 135: 195–201.
- Vondrák J. & Kubásek J. (2019): Epiphytic and epixylic lichens in forests of the Šumava mountains in the Czech Republic: abundance and frequency assessments. – Biologia 74: 405–418.
- Vondrák J., Urbanavichus G., Palice Z., Malíček J., Urbanavichene I., Kubásek J. & Ellis C. (2019): The epiphytic lichen biota of Caucasian virgin forests: a comparator for European conservation. – Biodiversity and Conservation 28: 3257–3276.
- Wagner B. (2018): Epifytické lišejníky Dlouhého vrchu u Litoměřic (severní Čechy). – Severočeskou přírodou 50: 95–102.
- Wagner B. (2018): Lišejníky NPP Jánský vrch u Mostu (SZ Čechy). – Severočeskou přírodou 50: 91–94.
- Wagner B. (2019): Aktuální diverzita epifytických lišejníků Českého středohoří. – Severočeskou přírodou 51: 83–88.
- Wagner B. (2019): Lišejníky vrchu Oblíku (severní Čechy). – Severočeskou přírodou 51: 79–82.
- Wagner B. (2019): Nález lišejníku *Xanthoria calcicola* Oxner na Litoměřicku. – Severočeskou přírodou 51: 78.
- Wagner B. & Ondráček Č. (2018): Nové lokality lišejníku *Evernia divaricata* v severozápadních Čechách. – Severočeskou přírodou 50: 72.
- Zakeri Z., Otte V., Sipman H., Malíček J., Cubas P., Rico V. J., Lenzová V., Svoboda D. & Divakar P. K. (2019): Discovering cryptic species in the *Aspiciliella intermutans* complex (Megasporaceae, Ascomycota) – First results using gene concatenation and coalescent-based species tree approaches. – PLoS ONE 14(5): e0216675, DOI 10.1371/journal.pone.0216675.