

NOVÁ LICHENOLOGICKÁ LITERATURA XIX.

New lichenological literature, XIX

Zdeněk P a l i c e

Botanický ústav AV ČR, CZ-252 43 Příhonice, e-mail: palice@ibot.cas.cz

- Abbott B. F. M. (2009): Checklist of the lichens and lichenicolous fungi of Greece. – *Bibliotheca Lichenologica* 103: 1–368.
- Amo de Paz G. & Burgaz A. R. (2009): Environmental factors and diversity of epiphytic communities on the trunks of the Mediterranean beech forest in Hayedo de Montejo (Madrid, Spain). – *Cryptogamie, Mycologie* 30: 85–97.
- Amo de Paz G. & Burgaz A. R. (2009): Líquenes epifíticos del Hayedo de Montejo de la Sierra (Madrid). – Editorial Complutense, Madrid. [162 pp.]
- Aptroot A. (2009): A revision of the lichen genus *Stirtonia*. – *Lichenologist* 41: 615–625.
- Aptroot A. (2009): The lichen genus *Traponora*. – *Bibliotheca Lichenologica* 100: 21–30.
- Aptroot A., Thor G., Lücking R., Elix J. A. & Chaves J. L. (2009): The lichen genus *Herpothallon* reinstated. – *Bibliotheca Lichenologica* 99: 19–67.
- Armaleo D. & May S. (2009): Sizing the fungal and algal genomes of the lichen *Cladonia grayi* through quantitative PCR. – *Symbiosis* 49: 43–51.
- Armstrong R. A. (2009): Monthly fluctuations in radial growth of individual lobes of the lichen *Parmelia conspersa* (Erhr. ex Ach.) Ach. – *Symbiosis* 47: 9–15.
- Armstrong R. A. & Smith S. N. (2009): Carbohydrates in the hypothallus and areolae of the crustose lichen *Rhizocarpon geographicum* (L.) DC. – *Symbiosis* 49: 95–100.
- Arnold A. E., Miadlikowska J., Higgins K. L., Sarvate S. D., Gugger P., Way A., Hofstetter V., Kauff F. & Lutzoni F. (2009): A phylogenetic estimation of trophic transition networks for ascomycetous fungi: Are lichens cradles of symbiotrophic fungal diversification?. – *Systematic Biology* 58: 283–297.
- Arup U. (2009): The *Caloplaca holocarpa* group in the Nordic countries, except Iceland. – *Lichenologist* 41: 111–130.
- Arup U. & Åkeliu E. (2009): A taxonomic revision of *Caloplaca herbidella* and *C. furfuracea*. – *Lichenologist* 41: 465–480.
- Asplund J., Solhaug K. A. & Gauslaa Y. (2009): Fungal depsidones – an inducible or constitutive defence against herbivores in the lichen *Lobaria pulmonaria*?. – *Basic and Applied Ecology* 10: 273–278.
- Baloch E. & Grube M. (2009): Pronounced genetic diversity in tropical epiphyllous lichen fungi. – *Molecular Ecology* 18: 2185–2197.
- Baloch E., Gilenstam G. & Wedin M. (2009): Phylogeny and classification of *Cryptodiscus*, with a taxonomic synopsis of the Swedish species. – *Fungal Diversity* 38: 51–68.
- Barbosa S. B., Machado S. R. & Marcelli M. P. (2009): Thallus structure and isidium development in two *Parmeliaceae* species (lichenized *Ascomycota*). – *Micron* 40: 536–542.
- Barbosa S. B., Marcelli M. P. & Machado S. R. (2009): Evaluation of different protocols for anatomical studies in *Parmeliaceae* (lichenized *Ascomycota*). – *Micron* 40: 218–225.
- Barrasa J. M., Esteve-Raventós F. & Rico V. J. (2009): *Lichenomphalia meridionalis* comb. nov., a common and frequently misidentified species in south-western Europe. – *Lichenologist* 41: 203–207.
- Belinchón R., Martínez I., Otálora M. A. G., Aragón G., Dimas J. & Escudero A. (2009): Fragment quality and matrix affect epiphytic performance in a mediterranean forest landscape. – *American Journal of Botany* 96: 1974–1982.
- Berglund H., O'Hara R. B. & Jonsson B. G. (2009): Quantifying habitat requirements of tree-living species in fragmented boreal forests with Bayesian methods. – *Conservation Biology* 23: 1127–1137.
- Bielczyk U., Jędrzejczyk-Korycińska M. & Kiszka J. (2009): Lichens of abandoned zinc-lead mines. – *Acta Mycologica* 44: 139–149.
- Bilovitz P. O., Knežević B., Stešević D. & Mayrhofer H. (2009): Lichenized and lichenicolous fungi from Bjelasica (Montenegro), with special emphasis on the Biogradska Gora National Park. – *Bibliotheca Lichenologica* 99: 67–80.
- Bilovitz P. O. & Mayrhofer H. (2009): A contribution to the lichenized fungi of Bosnia and Herzegovina. – *Fritschiana* 65: 53–56.

- Bilovitz P. O., Türk R. & Mayrhofer H. (2009): Lichens from the Una National Park (Bosnia and Herzegovina). – *Fritschiana* 65: 47–51.
- Bjerke J. W. (2009): Ice encapsulation protects rather than disturbs the freezing lichen. – *Plant Biology* 11: 227–235.
- Bonny S., Hitti E., Boustie J., Bernard A. & Tomasi S. (2009): Optimization of a microwave-assisted extraction of secondary metabolites from crustose lichens with quantitative spectrophotodensitometry analysis. – *Journal of Chromatography A* 1216: 7651–7656.
- Bricaud O., Roux C. & Bültmann H. (2009): Syntaxonomie des associations de lichens foliicoles de la France méridionale. – *Bulletin de la Société Linnéenne de Provence* 60: 143–150.
- Bültmann H. & Daniëls F. J. A. (2009): Lichens and vegetation – a case study of *Thamnolietum vermicularis*. – *Bibliotheca Lichenologica* 100: 31–47.
- Burgaz A. R. & Ahti T. (2009): Flora Liquenológica Ibérica. Vol 4. *Cladoniaceae*. – Sociedad Española de Liquenología, Madrid. [111 pp.]
- Carignan J., Estrade N., Sonke J. E. & Donard O. F. X. (2009): Odd isotope deficits in atmospheric Hg measured in lichens. – *Environmental Science and Technology* 43: 5660–5664.
- Carlsson R. & Nilsson K. (2009): Status of the red-listed lichen *Lobaria pulmonaria* on the Åland Islands, SW Finland. – *Annales Botanici Fennici* 46: 549–554.
- Caruso A. & Rudolphi J. (2009): Influence of substrate age and quality on species diversity of lichens and bryophytes on stumps. – *Bryologist* 112: 520–531.
- Choi H.-S., Yim J. H., Lee H. K. & Pyo S. (2009): Immunomodulatory Effects of Polar Lichens on the Function of Macrophages In Vitro. – *Marine Biotechnology* 11: 90–98.
- Christensen S. N. & Svane S. (2009): New and noteworthy records of lichenized and lichenicolous fungi for mainland Greece. – *Willdenowia* 39: 187–198.
- Cleavitt N. L., Dibble A. C. & Werier D. A. (2009): Influence of tree composition upon epiphytic macrolichens and bryophytes in old forests of Acadia National Park, Maine. – *Bryologist* 112: 467–487.
- Cobanoglu G. & Sevgi O. (2009): Analysis of the distribution of epiphytic lichens on *Cedrus libani* in Elmalı Research Forest (Antalya, Turkey). – *Journal of Environmental Biology* 30: 205–212.
- Cornejo C., Chabanenko S. & Scheidegger C. (2009): Phylogenetic analysis indicates transitions from vegetative to sexual reproduction in the *Lobaria retigera* group (Lecanoromycetidae, Ascomycota). – *Lichenologist* 41: 275–284.
- Crespo A. & Pérez-Ortega S. (2009): Cryptic species and species pairs in lichens: A discussion on the relationship between molecular phylogenies and morphological characters. – *Anales del Jardín Botánico de Madrid* 66S1: 71–81.
- Czarnota P. (2009): *Japewia tornoensis* and further localities of *J. subaurifera* found in the Carpathians. – *Acta Mycologica* 44: 259–264.
- Czarnota P., Flakus A. & Printzen C. (2009): *Lecanora flavoleprosa* (Lecanoraceae, lichenized Ascomycota) found in the Carpathians. – *Biologia* 64: 1066–1069.
- Czarnota P. & Kukwa M. (2009): Contribution to the knowledge of some poorly known lichens in Poland. III. *Trapelia corticola* and the genus *Vezdaea*. – *Folia Cryptogamica Estonica* 46: 25–31.
- Czyżewska K. & Kukwa M. (2009): Lichenicolous fungi of Poland. A catalogue and key to species. – W. Szafer Institute of Botany, Polish Academy of Sciences, Kraków. [133 pp.]
- Daillant O. R., Bernollin A., Josset M. & Fifield K. L. (2009): Potential of lichens for monitoring iodine-129 and chlorine-36. – *Journal of Radioanalytical and Nuclear Chemistry* 281: 241–245.
- de Bruyn U., Aptroot A., Homm T. & Sipman H. (2008): Ergebnisse eines Flechten-Kartierungstreffens im Elbe-Weser-Dreieck (Nordwest-Niedersachsen). – *Aktuelle Lichenologische Mitteilungen*, NF, 15: 5–8.
- de Bruyn U., Linders H.-W. & Mohr K. (2009): Epiphytische Flechten im Wandel von Immissionen und Klima. Ergebnisse einer Vergleichskartierung 1989/2007 in Nordwestdeutschland. – *Umweltwissenschaften und Schadstoff-Forschung* 21: 63–75.
- de los Ríos A., Cámara B., García del Cura M. Á., Rico V. J., Galván V. & Ascaso C. (2009): Deteriorating effects of lichen and microbial colonization of carbonate building rocks in the Romanesque churches of Segovia (Spain). – *Science of the Total Environment* 407: 1123–1134.
- de Oliveira L. F. C., Pinto P. C. C., Marcelli M. P., Dos Santos H. F. & Edwards H. G. M. (2009): The analytical characterization of a depside in a living species: Spectroscopic and theoretical analysis of lecanoric acid extracted from *Parmotrema tinctorum* Del. ex Nyl. lichen. – *Journal of Molecular Structure* 920: 128–133.
- Dibble A. C., Miller N. G., Hinds J. W. & Fryday A. M. (2009): Lichens and bryophytes of the alpine and subalpine zones of Katahdin, Maine, I: Overview, ecology, climate and conservation aspects. – *Bryologist* 112: 651–672.

- Diederich P., Ertz D., Broeck D. Van den, van den Boom P., Brand M. & Sérusiaux E. (2009): New or interesting lichens and lichenicolous fungi from Belgium, Luxembourg and northern France. XII. – Bulletin de la Société des Naturalistes Luxembourgeois 110: 75–92.
- Doering M. & Piercey-Normore M. D. (2009): Genetically divergent algae shape an epiphytic lichen community on Jack Pine in Manitoba. – Lichenologist 41: 69–80.
- Dolnik C., Abel H., de Bruyn U., van Dort K., Gnüchtel A., Neumann P., Stolley G. & Zimmer D. (2008): *Lecanora zosteræ* und andere interessante Flechtenfunde aus Schleswig-Holstein. – Kieler Notizen zur Pflanzenkunde 36: 9–23.
- Dolnik C. & Neumann P. (2009): *Lecanora subsaligna* und andere interessante Flechtenfunde aus Schleswig-Holstein. – Kieler Notizen zur Pflanzenkunde 36: 104–110.
- Dymytrova L. (2009): Epiphytic lichens and bryophytes as indicators of air pollution in Kyiv city (Ukraine). – Folia Cryptogamica Estonica 46: 33–44.
- Ekman S. (2009): *Bacidia rosellizans*, a new lichen species from the taiga belt. – Lichenologist 41: 481–487.
- Ellis C. J. & Coppins B. J. (2009): Quantifying the role of multiple landscape-scale drivers controlling epiphyte composition and richness in a conservation priority habitat (juniper scrub). – Biological Conservation 142: 1291–1301.
- Ellis C. J., Yahr R. & Coppins B. J. (2009): Local extent of old-growth woodland modifies epiphyte response to climate change. – Journal of Biogeography 36: 302–313.
- Ertz D. (2009): Revision of the corticolous *Opegrapha* species from the Paleotropics. – Bibliotheca Lichenologica 102: 1–176.
- Ertz D. & Diederich P. (2009): Lichens and lichenicolous fungi new for Tenerife (Canary Islands). – Cryptogamie, Mycologie 29(4) (2008): 389–396.
- Ertz D., Miadlikowska J., Lutzoni F., Dessein S., Raspé O., Vigneron N., Hofstetter V. & Diederich P. (2009): Towards a new classification of the *Arthoniales* (*Ascomycota*) based on a three-gene phylogeny focussing on the genus *Opegrapha*. – Mycological Research 113: 141–152.
- Falk A., Green T. K. & Barboza P. (2008): Quantitative determination of secondary metabolites in *Cladina stellaris* and other lichens by micellar electrokinetic chromatography. – Journal of Chromatography A 1182: 141–144.
- Farkas E. & Lőkös L. (2009): *Lobaria pulmonaria* (lichen-forming fungi) in Hungary. – Mikológiai Közlemények, Clusiana 48: 11–18.
- Farkas E. & Veres K. (2009): Habitat preferences on some soil-inhabiting *Toninia* species with special attention to some soil parameters. – Acta Botanica Hungarica 51: 289–300.
- Favero-Longo S. E., Borghi A., Tretiach M. & Piervittori R. (2009): In vitro receptivity of carbonate rocks to endolithic lichen-forming aposymbionts. – Mycological Research 113: 1216–1227.
- Favero-Longo S. E., Castelli D., Fubini B. & Piervittori R. (2009): Lichens on asbestos–cement roofs: Bioweathering and biocovering effects. – Journal of Hazardous Materials 162: 1300–1308.
- Fazio A. T., Bertoni M. D., Adler M. T., Ruiz L. B., Rosso M. L., Muggia L., Hager A., Stocker-Wörgötter E. & Maier M. S. (2009): Culture studies on the mycobiont isolated from *Parmotrema reticulatum* (Taylor) Choisy: metabolite production under different conditions. – Mycological Progress 8: 359–365.
- Fedorenko N. M., Stenroos S., Thell A., Kärnefelt I. & Kondratyuk S. Y. (2009): A phylogenetic analysis of xanthorioid lichens (*Teloschistaceae*, *Ascomycota*) based on ITS and mtSSU sequences. – Bibliotheca Lichenologica 100: 49–84.
- Flakus A. & Kukwa M. (2009): Additions to the biota of lichenized fungi of Poland. – Acta Mycologica 44: 249–257.
- Fos S. & Giralt M. (2009): *Rinodina evae* (*Physciaceae*, *Ascomycota*), a new corticolous blastidiolate species from Eastern Spain. – Nova Hedwigia 88: 33–40.
- Frahm J.-P. & Erler D. (2009): Orientierende Untersuchungen zur Wirkung der Staubimprägnierung von Borken auf epiphytische Flechten. – Archive for Lichenology 4: 1–5.
- Frahm J.-P., Janßen A. M., Schumacher J., Thönnies D., Hensel S., Heidelberg B., & Erler D. (2009): The nitrogen problem of epiphytic lichens – a synthesis. – Archive for Lichenology 5: 1–8.
- Frahm J.-P., Thönnies D. & Hensel S. (2009): Ist der Anstieg nitrophiler Flechten an Bäumen auf eine Erhöhung des Borken-pHs zurückzuführen? – Archive for Lichenology 1: 1–10.
- Freysdóttir J., Omarsdóttir S., Ingólfssdóttir K., Víkingsson A. & Olafsdóttir E. S. (2008): In vitro and in vivo immunomodulating effects of traditionally prepared extract and purified compounds from *Cetraria islandica*. – International Immunopharmacology 8: 423–430.
- Fritz Ö. (2009): Vertical distribution of epiphytic bryophytes and lichens emphasizes the importance of old beeches in conservation. – Biodiversity and Conservation 18: 289–304.

- Fritz Ö., Brunet J. & Caldiz M. (2009): Interacting effects of tree characteristics on the occurrence of rare epiphytes in a Swedish beech forest area. – *Bryologist* 112: 488–505.
- Fritz Ö., Niklasson M. & Churski M. (2009): Tree age is a key factor for the conservation of epiphytic lichens and bryophytes in beech forests. – *Applied Vegetation Science* 12: 93–106.
- Fröberg L., Niklasson M., Paltto H., Knutsson T. & Johansson T. (2009): Age and epiphytic lichen diversity of the dwarf shrub *Helianthemum oelandicum* on the island of Öland, Sweden. – *Lichenologist* 41: 537–545.
- Garibotti I. A. & Villalba R. (2009): Lichenometric dating using *Rhizocarpon* subgenus *Rhizocarpon* in the Patagonian Andes, Argentina. – *Quaternary Research* 71: 271–283.
- Gasulla F., Gómez de Nova P., Esteban-Carrasco A., Zapata J. M., Barreno E. & Guéra A. (2009): Dehydration rate and time of desiccation affect recovery of the lichen alga *Trebouxia erici*: alternative and classical protective mechanisms. – *Planta* 231: 195–208.
- Gauslaa Y., Palmqvist K., Solhaug K. A., Hilmo O., Holien H., Nybakken L. & Ohlson M. (2009): Size-dependent growth of two old-growth associated macrolichen species. – *New Phytologist* 181: 683–692.
- Gaya E. (2009): Taxonomical revision of the *Caloplaca saxicola* group (*Teloschistaceae*, lichenforming *Ascomycota*). – *Bibliotheca Lichenologica* 101: 1–191.
- Gazzano C., Favero-Longo E. S., Matteucci E. & Piervittori R. (2009): Image analysis for measuring lichen colonization on and within stonework. – *Lichenologist* 41: 299–313.
- Gazzano C., Favero-Longo E. S., Matteucci E., Roccardi A. & Piervittori R. (2009): Index of Lichen Potential Biodeteriogenic Activity (LPBA): A tentative tool to evaluate the lichen impact on stonework. – *International Biodeterioration & Biodegradation* 63: 836–843.
- Giordano S., Adamo P., Monaci F., Pittao E., Tretiach M. & Bargagli R. (2009): Bags with oven-dried moss for the active monitoring of airborne trace elements in urban areas. – *Environmental Pollution* 157: 2798–2805.
- Giralt M., Paz-Bermúdez G. & Elix J. A. (2009): The saxicolous, xanthone-containing species of the genus *Buellia* s. l. (*Physciaceae*, *Ascomycota*) in the Iberian Peninsula. – *Nova Hedwigia* 89: 321–334.
- Godinho R. M., Verburg T., Freitas M. C. & Wolterbeek H. T. (2009): Accumulation of trace elements in the peripheral and central parts of two species of epiphytic lichens transplanted to a polluted site in Portugal. – *Environmental Pollution* 157: 102–109.
- Godinho R. M., Wolterbeek H. T., Verburg T. & Freitas M. C. (2008): Bioaccumulation behaviour of transplants of the lichen *Flavoparmelia caperata* in relation to total deposition at a polluted location in Portugal. – *Environmental Pollution* 151: 318–325.
- Golubkov V. V. & Matwiejuk A. (2009): Some new records of *Rhizocarpon* from North-Eastern Poland and North-Western Belarus. – *Acta Mycologica* 44: 201–210.
- Goss R. & Wilhelm C. (2009): Lipids in algae, lichens and mosses. – In: Wada H. & Murata N. (eds.), *Lipids in Photosynthesis: Essential and Regulatory Functions*, p. 117–135, Springer Science + Business Media B.V.
- Grube M. & Berg G. (2009): Microbial consortia of bacteria and fungi with focus on the lichen symbiosis. – *Fungal Biology Reviews* 23: 72–85.
- Gueidan C., Savić S., Thüs H., Roux C., Keller C., Tibell L., Prieto M., Heiðmarsson S., Breuss O., Orange A., Fröberg L., Amtoft Wynns A., Navarro-Rosinés P., Krzewicka B., Pykälä J., Grube M. & Lutzoni F. (2009): Generic classification of the *Verrucariaceae* (*Ascomycota*) based on molecular and morphological evidence: recent progress and remaining challenges. – *Taxon* 58: 184–208.
- Hafellner J. (2008): Zur Diversität lichenisierter und lichenicoler Pilze im Gebiet der Koralpe (Österreich: Kärnten und Steiermark, Slowenien). – *Mitteilungen der Naturwissenschaftlichen Vereines für Steiermark* 138: 29–112.
- Hafellner J. (2009): Zur Flechtendiversität im Natura 2000-Schutzgebiet Raabklamm (Österreich, Steiermark). – *Mitteilungen der Naturwissenschaftlichen Vereines für Steiermark* 139: 83–126.
- Hafellner J. & Obermayer W. (2009): The role of *Paranectria oropensis* in community dynamics of epiphyte synusia on roadside trees. – *Herzogia* 22: 177–190.
- Halonen P., Myllys L., Velmala S. & Hyvärinen H. (2009): *Gowardia* (*Parmeliaceae*)—a new alecioroid lichen genus with two species. – *Bryologist* 112: 138–146.
- Hansen E. S. & Hasholt B. (2009): Radial growth of twenty-two epilithic lichen species over five years at the Mittivakkat Glacier, Ammassalik Island, South-East Greenland. – *Bibliotheca Lichenologica* 100: 123–136.
- Harris R. C. (2009): Four novel lichen taxa in the lichen biota of eastern North America. – *Opuscula Philolichenum* 6: 149–156.

- Harris R. C. & Lendemer J. C. (2009): The *Fellhanera silicis* group in eastern North America. – *Opuscula Philolichenum* 6: 157–174.
- Hartard B., Cuntz M., Máguas C. & Lakatos M. (2009): Water isotopes in desiccating lichens. – *Planta* 231: 179–193.
- Harutyunyan S. & Mayrhofer H. (2009): A contribution to the lichen mycota of Armenia. – *Bibliotheca Lichenologica* 100: 137–156.
- Hauck M. (2009): Global warming and alternative causes of decline in arctic-alpine and boreal-montane lichens in North-Western Central Europe. – *Global Change Biology* 15: 2653–2661.
- Hauck M., de Bruyn U., Wirth V., Sparrius L., Thüs H. & Preussing M. (2009): New or interesting records of lichen-forming and lichenicolous fungi from Lower Saxony, Germany. – *Herzogia* 22: 109–116.
- Hauck M. & Javkhlan S. (2009): Epiphytic lichen diversity and its dependence on bark chemistry in the northern Mongolian dark taiga. – *Flora* 204: 278–288.
- Hauck M., Jürgens S.-R., Huneck S. & Leuschner C. (2009): High acidity tolerance in lichens with fumarprotocetraric, perlatolic or thamnolic acids is correlated with low pKa1 values of these. – *Environmental Pollution* 157: 2776–2780.
- Hauck M., Jürgens S.-R., Willenbruch K., Huneck S. & Leuschner C. (2009): Dissociation and metal-binding characteristics of yellow lichen substances suggest a relationship with site preferences of lichens. – *Annals of Botany* 103: 13–22.
- Hauck M., Paul A. & Leuschner C. (2009): Element uptake in thalli of the lichen *Physcia caesia* from sandstone and calcareous substratum. – *Journal of Plant Nutrition and Soil Science* 172: 839–842.
- Hauck M., Willenbruch K. & Leuschner C. (2009): Lichen substances prevent lichens from nutrient deficiency. – *Journal of Chemical Ecology* 35: 71–73.
- Heininger C. & Spribille T. (2009): The sorediate species of *Xylographa* in Austria (*Baeomycetales*, lichenized *Ascomycetes*). – *Herzogia* 22: 129–134.
- Hill D. J. (2009): Asymmetric co-evolution in the lichen symbiosis caused by a limited capacity for adaptation in the photobiont. – *Botanical Review* 75: 326–338.
- Hilmo O., Holien H., Hytteborn H. & Ely-Aalstrup H. (2009): Richness of epiphytic lichens in differently aged *Picea abies* plantations situated in the oceanic region of Central Norway. – *Lichenologist* 41: 97–108.
- Hinds J. W., Fryday A. M. & Dibble A. C. (2009): Lichens and bryophytes of the alpine and subalpine zones on Katahdin, Maine, II: Lichens. – *Bryologist* 112: 673–703.
- Högnabba F., Stenroos S. & Thell A. (2009): Phylogenetic relationships and evolution of photobiont associations in the *Lobariaceae* (*Peltigerales*, *Lecanoromycetes*, *Ascomycota*). – *Bibliotheca Lichenologica* 100: 157–187.
- Holt E. A., McCune B. & Neitlich P. (2009): Macrolichen communities in relation to soils and vegetation in the Noatak National Preserve, Alaska. – *Canadian Journal of Botany* 87: 241–252.
- Honegger R. (2009): Lichen-Forming Fungi and Their Photobionts. – In: Deising H. (ed.), *Plant Relationships*, 2nd Edition. The Mycota V, p. 307–333, Springer Verlag, Berlin – Heidelberg.
- Jabłońska A. (2009): The lichen genus *Porpidia* in Poland II. Species with soredia. – *Herzogia* 22: 135–146.
- Jabłońska A., Oset M. & Kukwa M. (2009): The lichen family *Parmeliaceae* in Poland. I. The genus *Parmotrema*. – *Acta Mycologica* 44: 211–222.
- Jairus K., Löhmus A. & Löhmus P. (2009): Lichen acclimatization on retention trees: a conservation physiology lesson. – *Journal of Applied Ecology* 46: 930–936.
- Jandt R., Joly K., Meyers C. R. & Racine C. R. (2008): Slow Recovery of Lichen on Burned Caribou Winter Range in Alaska Tundra: Potential Influences of Climate Warming and Other Disturbance Factors. – *Arctic, Antarctic, and Alpine Research* 40: 89–95.
- Jansson K. U., Palmqvist K. & Esseen P.-A. (2009): Growth of the old forest lichen *Usnea longissima* at forest edges. – *Lichenologist* 41: 663–672.
- Johansson V., Bergman K.-O., Lättman H. & Milberg P. (2009): Tree and site quality preferences of six epiphytic lichens growing on oaks in southeastern Sweden. – *Annales Botanici Fennici* 46: 496–506.
- Joly K., Jandt R. R. & Klein D. R. (2009): Decrease of lichens in Arctic ecosystems: the role of wildfire, caribou, reindeer, competition and climate in north-western Alaska. – *Polar Research* 28: 433–442.
- Joneson S. & Lutzoni F. (2009): Compatibility and thigmotropism in the lichen symbiosis: A reappraisal. – *Symbiosis* 47: 109–115.
- Jørgensen P. M. & Nordin A. (2009): Lichens known mainly from Norwegian type-specimens. – *Graphis Scripta* 21: 1–20.

- Joulain D. & Tabacchi R. (2009): Lichen extracts as raw materials in perfumery. Part 1: oakmoss. – *Flavour and Fragrance Journal* 24: 49–61.
- Joulain D. & Tabacchi R. (2009): Lichen extracts as raw materials in perfumery. Part 2: treemoss. – *Flavour and Fragrance Journal* 24: 105–116.
- Jüriado I. & Liira J. (2009): Distribution and habitat ecology of the threatened forest lichen *Lobaria pulmonaria* in Estonia. – *Folia Cryptogamica Estonica* 46: 55–65.
- Jüriado I., Liira J. & Paal J. (2009): Diversity of epiphytic lichens in boreo-nemoral forests on the North-Estonian limestone escarpment: the effect of tree level factors and local environmental conditions. – *Lichenologist* 41: 81–94.
- Kalb K. (2009): New taxa and new records of thelotremoid *Graphidaceae*. – *Herzogia* 22: 17–42.
- Kärnefelt I. (2009): Fifty influential lichenologists. – *Bibliotheca Lichenologica* 100: 291–380.
- Knežević B. & Mayrhofer H. (2009): Catalogue of the lichenized and lichenicolous fungi of Montenegro. – *Phyton* 48: 283–328.
- Knudsen K. & Lendemer J. C. (2009): Two new species of *Lecanora* with gyrophoric acid from North America. – *Opuscula Philolichenum* 7: 21–28.
- Korpela I. S. (2008): Mapping of understory lichens with airborne discrete-return LiDAR data. – *Remote Sensing of Environment* 112: 3891–3897.
- Kossowska M. & Węgrzyn M. (2009): Lichens recorded on iron and glass in NE Poland. – *Polish Botanical Journal* 53: 123–124.
- Kraichak E., Pope R. & Wheelwright N. T. (2009): Habitat associations of macrolichens on a boreal island in the Bay of Fundy, New Brunswick, Canada. – *Bryologist* 112: 762–772.
- Kristinsson H. & Heidmarsson S. (2009): Colonization of lichens on Surtsey 1970–2006. – *Surtsey Research* 12: 81–104.
- Krzewicka B. (2009): Some new records of *Verrucaria* from Beskid Niski Mts. – *Acta Mycologica* 44: 265–273.
- Krzewicka B. (2009): The ‘*Verrucaria fuscella* group’ in Poland with some nomenclatorial remarks. – *Acta Societatis Botanicorum Poloniae* 78: 229–234.
- Krzewicka B., García M. A., Johansen S. D., Sancho L. G. & Martín M. P. (2009): Morphological and nuclear ribosomal DNA data support distinguishing two new species of *Umbilicaria* (*Umbilicariaceae*, *Ascomycota*) from Europe. – *Lichenologist* 41: 631–648.
- Kubiak D. & Zalewska A. (2009): Notes on *Caloplaca lucifuga* (*Teloschistales*, *Ascomycota*) in Poland. – *Acta Mycologica* 44: 239–248.
- Kukwa M. (2009): *Ochrolechia aegaea* and *O. alaskana*, two species with gyrophoric and variolaric acids in the cortex. – *Graphis Scripta* 21: 42–48.
- Kukwa M. (2009): The lichen genus *Ochrolechia* in Poland III with a key and notes on some taxa. – *Herzogia* 22: 43–66.
- Kytöviita M.-M. & Stark S. (2009): No allelopathic effect of the dominant forest-floor lichen *Cladonia stellaris* on pine seedlings. – *Functional Ecology* 23: 435–441.
- Larsen Vilsholm R., Wolseley P. A., Søchting U. & Chimonides P. J. (2009): Biomonitoring with lichens on twigs. – *Lichenologist* 41: 189–202.
- Lättman H., Lindblom L., Mattsson J.-E., Milberg P., Skage M. & Ekman S. (2009): Estimating the dispersal capacity of the rare lichen *Cliostomum corrugatum*. – *Biological Conservation* 142: 1870–1878.
- Lättman H., Milberg P., Palmer M. W. & Mattsson J.-E. (2009): Changes in the distributions of epiphytic lichens in southern Sweden using a new statistical method. – *Nordic Journal of Botany* 27: 413–418.
- Laufer Z., Beckett R. P., Minibayeva F. V., Lüthje S. & Böttger M. (2009): Diversity of laccases from lichens in suborder Peltigerineae. – *Bryologist* 112: 418–426.
- Lawrey J. D., Lücking R., Sipman H. J. M., Chaves J. L., Redhead S. A., Bungartz F., Sikaroodi M. & Gillevet P. M. (2009): High concentration of basidiolichens in a single family of agaricoid mushrooms (*Basidiomycota*: *Agaricales*: *Hygrophoraceae*). – *Mycological Research* 113: 1154–1171.
- Leger E. A. & Forister M. L. (2009): Colonization, abundance, and geographic range size of gravestone lichens. – *Basic and Applied Ecology* 10: 279–287.
- Lendemer J. C. & Hodkinson B. P. (2009): The Wisdom of Fools: new molecular and morphological insights into the North American apodetiate species of *Cladonia*. – *Opuscula Philolichenum* 7: 79–100.
- Lendemer J. C. & Knudsen K. (2009): Two new usnic acid containing species of *Lecanora* from Western North America. – *Opuscula Philolichenum* 6: 73–80.

- Lie M. H., Arup U., Grytnes J.-A. & Ohlson M. (2009): The importance of host tree age, size and growth rate as determinants of epiphytic lichen diversity in boreal spruce forests. – *Biodiversity and Conservation* 18: 3579–3596.
- Lindblom L. (2009): Sample size and haplotype richness in population samples of the lichen-forming ascomycete *Xanthoria parietina*. – *Lichenologist* 41: 529–535.
- Llop E. & Gómez-Bolea A. (2009): The lichen genus *Phylloblastia* (Verrucariaceae) in the Iberian Peninsula, with a new species from Western Europe. – *Lichenologist* 41: 565–569.
- Lõhmus P. & Lõhmus A. (2009): The importance of representative inventories for lichen conservation assessments: the case of *Cladonia norvegica* and *C. parasitica*. – *Lichenologist* 41: 61–67.
- Łubek A. (2009): New records of lichens from the Polish uplands. – *Acta Mycologica* 44: 275–282.
- Lücking R. (2009): The taxonomy of the genus *Graphis* sensu Staiger (Ascomycota: Ostropales: Graphidaceae). – *Lichenologist* 41: 319–362.
- Lücking R., Archer A. W. & Aptroot A. (2009): A world-wide key to the genus *Graphis* (Ostropales: Graphidaceae). – *Lichenologist* 41: 363–452.
- Lücking R., Huhndorf S., Pfister D. H., Rivas Plata E. & Lumbsch H. T. (2009): Fungi evolved right on track. – *Mycologia* 101: 810–822.
- Lücking R., Lawrey J. D., Sikaroodi M., Gillevet P. M., Chaves J. L., Sipman H. J. M. & Bungartz F. (2009): Do lichens domesticate photobionts like farmers domesticate crops? Evidence from a previously unrecognized lineage of filamentous cyanobacteria. – *American Journal of Botany* 96: 1409–1418.
- Lücking R., Rivas Plata E., Chaves J. L., Umaña L. & Sipman H. J. M. (2009): How many tropical lichens are there... really?. – *Bibliotheca Lichenologica* 100: 399–432.
- Lumbsch H. T., Zimmermann D. G. & Schmitt I. (2009): Phylogenetic position of ephemeral lichens in *Thelocarpaceae* and *Vezdaeaceae* (Ascomycota). – *Bibliotheca Lichenologica* 100: 389–398.
- Lutzoni F. and Miadlikowska J. (2009): Lichens. Quick Guide. – *Current Biology* 19: R502–R503.
- Макрый Т. В. [Makryi T. V.] (2008): Лишайники рода *Sticta* (Lobariaceae) в России [Lichens of the genus *Sticta* (Lobariaceae) in Russia]. – *Ботанический журнал* [Botan. Zhurn.] 93: 304–316.
- Marques A. P., Freitas M. C., Wolterbeek H. T. & Verburg T. (2009): *Parmelia sulcata* lichen transplants positioning towards wind direction (Part I): precipitation volumes, total element deposition and lichen element content. – *Journal of Radioanalytical and Nuclear Chemistry* 281: 225–230.
- Marques A. P., Freitas M. C., Wolterbeek H. T. & Verburg T. (2009): *Parmelia sulcata* lichen transplants positioning towards wind direction (Part II): element concentrations and relationships with atmospheric element deposition. – *Journal of Radioanalytical and Nuclear Chemistry* 281: 231–236.
- Massara A. C., Bates J. W. & Bell J. N. B. (2009): Exploring causes of the decline of the lichen *Lecanora conizaeoides* in Britain: effects of experimental N and S applications. – *Lichenologist* 41: 673–681.
- Mattsson J.-E., Hansson A.-C. & Lindblom L. (2009): Genetic variation in relation to substratum preferences of *Hypogymnia physodes*. – *Lichenologist* 41: 547–555.
- Matwiejuk A. (2008): Lichens of the Jewish cemetery in Białystok (north-eastern Poland). – *Roczniki Akademii Rolniczej w Poznaniu CCCLXXXVII, Botanika – Steciana* 12: 111–116.
- Mayer A. L., Vihermaa L., Nieminen N., Luomi A. & Posch M. (2009): Epiphytic macrolichen community correlates with modeled air pollutants and forest conditions. – *Ecological Indicators* 9: 992–1000.
- Meisurova A. F., Khizhnyak S. D. & Pakhomov P. M. (2009): IR spectral analysis of the chemical composition of the lichen *Hypogymnia physodes* to assess atmospheric pollution. – *Journal of Applied Spectroscopy* 76: 420–426.
- Moning C. & Müller J. (2009): Critical forest age thresholds for the diversity of lichens, molluscs and birds in beech (*Fagus sylvatica* L.) dominated forests. – *Ecological Indicators* 9: 922–932.
- Moning C., Werth S., Dziok F., Bässler C., Bradtka J., Hothorn T. & Müller J. (2009): Lichen diversity in temperate montane forests is influenced by forest structure more than climate. – *Forest Ecology and Management* 258: 745–751.
- Moon K. H. & Aptroot A. (2009): Pyrenocarpous lichens in Korea. – *Bibliotheca Lichenologica* 99: 297–314.
- Motiejūnaitė J. (2009): Lichens and allied fungi of two Regional Parks in Vilnius area (Lithuania). – *Acta Mycologica* 44: 185–199.
- Munzi S., Pirintsos S. A. & Loppi S. (2009): Chlorophyll degradation and inhibition of polyamine biosynthesis in the lichen *Xanthoria parietina* under nitrogen stress. – *Ecotoxicology and Environmental Safety* 72: 281–285.
- Munzi S., Pisani T. & Loppi S. (2009): The integrity of lichen cell membrane as a suitable parameter for monitoring biological effects of acute nitrogen pollution. – *Ecotoxicology and Environmental Safety* 72: 2009–2012.

- Nadyeina O. (2009): The lichen-forming and lichenicolous fungi of the Donetsk Upland (Ukraine). – *Mycologia Balcanica* 6: 37–53.
- Nascimbene J., Marini L., Motta R. & Nimis P. L. (2009): Influence of tree age, tree size and crown structure on lichen communities in mature Alpine spruce forests. – *Biodiversity and Conservation* 18: 1509–1522.
- Nascimbene J., Marini L. & Nimis P. L. (2009): Influence of tree species on epiphytic macrolichens in temperate mixed forests of northern Italy. – *Canadian Journal of Forestry Research* 39: 785–791.
- Nascimbene J., Salvadori O. & Nimis P. L. (2009): Monitoring lichen recolonization on a restored calcareous statue. – *Science of the Total Environment* 407: 2420–2426.
- Nascimbene J., Thüs H., Marini L. & Nimis P. L. (2009): Early colonization of stone by freshwater lichens of restored habitats: A case study in northern Italy. – *Science of the Total Environment* 407: 5001–5006.
- Nelsen M. P. & Gargas A. (2009): Assessing clonality and chemotype monophyly in *Thamnolia* (*Icmadophilaceae*). – *Bryologist* 112: 42–53.
- Nelsen M. P. & Gargas A. (2009): Symbiont flexibility in *Thamnolia vermicularis* (*Pertusariales: Icmadophilaceae*). – *Bryologist* 112: 404–417.
- Nelsen M. P., Lücking R., Grube M., Mbatchou J. S., Muggia L., Rivas Plata E. & Lumbsch H. T. (2009): Unravelling the phylogenetic relationships of lichenised fungi in Dothideomyceta. – *Studies in Mycology* 64: 135–144.
- Nelsen M. P., Lumbsch H. T., Lücking R. & Elix J. A. (2008): Further evidence for the polyphyly of *Lepraria* (*Lecanorales: Stereocaulaceae*). – *Nova Hedwigia* 87: 361–371.
- Nordin A., Tibell L. & Owe-Larsson B. (2009): *Endocarpon moenium* belongs in *Acarosporaceae*. – *Graphis Scripta* 21: 21–22.
- O'Brien H. E., Miadlikowska J. & Lutzoni F. (2009): Assessing reproductive isolation in highly diverse communities of the lichen-forming fungal genus *Peltigera*. – *Evolution* 63: 2076–2086.
- Orange A. (2009): A new species of *Petractis* (*Ostropales* s. lat., lichenized *Ascomycota*) from Wales. – *Lichenologist* 41: 213–221.
- Orange A. (2009): Two parasitic species of *Placopyrenium* (*Verrucariaceae*) from freshwater habitats in north-west Europe. – *Lichenologist* 41: 131–139.
- Osyczka P. (2009): *Cladonia diversa* (*Cladoniaceae*, Lichenized *Ascomycota*) – overlooked lichen in Poland. – *Acta Societatis Botanicorum Poloniae* 78: 215–219.
- Osyczka P. & Kościelniak R. (2009): *Cladonia metacorallifera*, a lichen species new to the Eastern Carpathians. – *Acta Mycologica* 44: 233–238.
- Øvstedal D. O., Tønsberg T. & Elvebakk A. (2009): The Lichen Flora of Svalbard. – *Sommerfeltia* 33: 1–393.
- Ozimec S., Florijančić, T., Opačak A., Puškadija Z. & Topić J. (2009): Lichen mycota from the island of Krk (northern Adriatic Sea, Croatia). – *Natura Croatica* 18: 367–385.
- Pacheco A. M. G., Freitas M. C. & Dung H. M. (2008): Identifying chemical sources of airborne contamination in lichen biomonitors through instrumental neutron activation analysis. – *Journal of Radioanalytical and Nuclear Chemistry* 278: 469–474.
- Paul A., Hauck M. & Leuschner C. (2009): Iron and phosphate uptake in epiphytic and saxicolous lichens differing in their pH requirements. – *Environmental and Experimental Botany* 67: 133–138.
- Paul A., Hauck M. & Leuschner C. (2009): Iron and phosphate uptake explains the calcifuge–calcicole behavior of the terricolous lichens *Cladonia furcata* subsp. *furcata* and *C. rangiformis*. – *Plant and Soil* 319: 49–56.
- Paz-Bermúdez G., López de Silanes M. E., Terrón A. & al. (2009): Lichens and lichenicolous fungi in the Montesinho Natural Park, the Serra da Nogueira and the Río Sabor Valley (Portugal). – *Cryptogamie, Mycologie* 30: 279–303.
- Perhans K., Appelgren L., Jonsson F., Nordin U., Söderström B. & Gustafsson L. (2009): Retention patches as potential refugia for bryophytes and lichens in managed forest landscapes. – *Biological Conservation* 142: 1125–1133.
- Piercey-Normore M. (2009): Vegetatively reproducing fungi in three genera of the Parmeliaceae share divergent algal partners. – *Bryologist* 112: 773–785.
- Pinho P., Branquinho C., Cruz C., Tang Y.S., Dias T., Rosa A.P., Máguas C., Martins-Loução M.-A. & Sutton M. A. (2009): Assessment of critical levels of atmospheric ammonia for lichen diversity in cork-oak woodland, Portugal. – In: Sutton M., Reis S. & Baker S. M. H. (eds.), *Atmospheric Ammonia*, p. 109–119, Springer Science + Business Media B.V.
- Prigodina Lukošienė I. & Naujalis J. R. (2009): Rare lichen associations on common oak (*Quercus robur*) in Lithuania. – *Biologia* 64: 48–52.

- Pristyazhnyuk S. A. (2008): Assessment of vegetation cover by lichen-indication methods (by the example of the North of Central Siberia). – *Contemporary Problems of Ecology* 1: 322–327.
- Pykälä J. & Breuss O. (2009): Six rare *Verrucaria* species new to Finland. – *Österreichische Zeitschrift für Pilzkunde* 18: 123–127.
- Randlane T., Tõrra T., Saag A. & Saag L. (2009): Key to European *Usnea* species. – *Bibliotheca Lichenologica* 100: 419–462.
- Ranković B., Mišić M. & Sukdolac S. (2009): Antimicrobial activity of extracts of the lichens *Cladonia furcata*, *Parmelia caperata*, *Parmelia pertusa*, *Hypogymnia physodes* and *Umbilicaria polyphylla*. – *Biologia* 64: 53–58.
- Rogers P. C., Moore K. D. & Ryel R. J. (2009): Aspen succession and nitrogen loading: a case for epiphytic lichens as bioindicators in the Rocky Mountains, USA. – *Journal of Vegetation Science* 20: 498–510.
- Roux C. (2009): *Naetrocymbe saxicola*, likeno kun *Trentepohlia*. – *Bulletin de la Société Linnéenne de Provence* 60: 127–142.
- Roux C. (2009): Présence de *Lecanora rhizinata* Poelt, Barreno et Rico au mont Aigoual (SE de la France). – *Bulletin d'Informations de l'Association Française de Lichénologie* 34: 11–19.
- Roux C., Boulanger M. & Malle N. (2009): *Caloplaca itiana* sp. nov., espèce nouvelle de lichen du littoral de la Manche (France). – *Bulletin d'Informations de l'Association Française de Lichénologie* 34: 1–10.
- Russo A., Piovano M., Lombardo L., Garbarino J. & Cardile V. (2008): Lichen metabolites prevent UV light and nitric oxide-mediated plasmid DNA damage and induce apoptosis in human melanoma cells. – *Life Sciences* 83: 468–474.
- Saag L., Saag A. & Randlane T. (2009): World survey of the genus *Lepraria* (*Stereocaulaceae*, lichenized *Ascomycota*). – *Lichenologist* 41: 25–60.
- Savić S. & Tibell L. (2009): Taxonomy and species delimitation in *Sporodictyon* (*Verrucariaceae*) in Northern Europe and the adjacent Arctic – reconciling molecular and morphological data. – *Taxon* 58: 585–605.
- Scheidegger C. & Stofer S. (2009): Flechten im Wald: Vielfalt, Monitoring und Erhaltung. – *Forum für Wissen* 2009: 39–50.
- Scheidegger C. & Werth S. (2009): Conservation strategies for lichens: insights from population biology. – *Fungal Biology Reviews* 23: 55–66.
- Schiefelbein U. (2009): Die Flechtenflora der Greifswalder Oie. – *Herzogia* 22: 117–128.
- Schmitt I., Crespo A., Divakar P. K., Fankhauser J. D., Herman-Sackett E., Kalb K., Nelsen M. P., Nelson N. A., Rivas-Plata E., Shimp A. D., Widhalm T. & Lumbsch H. T. (2009): New primers for promising single-copy genes in fungal phylogenetics and systematics. – *Persoonia* 23: 35–40.
- Schmitt I., del Prado R., Grube M. & Lumbsch H. T. (2009): Repeated evolution of closed fruiting bodies is linked to ascoma development in the largest group of lichenized fungi (*Lecanoromycetes*, *Ascomycota*). – *Molecular Phylogenetics and Evolution* 52: 34–44.
- Schmitt I. & Lumbsch H. T. (2009): Ancient horizontal gene transfer from bacteria enhances biosynthetic capabilities of fungi. – *PLoS ONE* 4: e4437. [8 pp.]
- Schnell S. & Stapper N. J. (2009): Eine einfache Methode zur Bioindikation der Umweltbelastung in einer Großstadt mit epiphytischen Flechten. – *Archive for Lichenology* 3: 1–8.
- Seaward M. R. D. & Aptroot A. (2009): Checklist of lichens for the Seychelles group. – *Bibliotheca Lichenologica* 99: 335–366.
- Şenkardeşler A. (2009): Lichens from Turkey collected by V. Vašák. – *Acta Botanica Hungarica* 51: 427–436.
- Shimizu A. & Kubo T. (2009): Relationship between thallus size and apothecium density in two alpine umbilicate lichens. – *Lichenologist* 41: 285–297.
- Sipman H. J. M., Elix J. A. & Nash III T. H. (2009): *Hypotrachyna* (*Parmeliaceae*, Lichenized Fungi). – *Flora Neotropica* 104: 1–176.
- Śliwa L. (2009): First records of *Lecanora semipallida* (lichenized fungi) from Romania. – *Acta Mycologica* 44: 173–178.
- Śliwa L. (2009): *Lecanora semipallida* (lichenized *Ascomycota*) in Poland. – *Polish Botanical Journal* 54: 31–36.
- Smith C. W., Aptroot A., Coppins B. J., Fletcher A., Gilbert O. L., James P. W. & Wolseley P. A. (eds.) (2009): *The Lichens of Great Britain and Ireland*. – The British Lichen Society, London. [1046 pp.]
- Solhaug K. A., Lind M., Nybakken L. & Gauslaa Y. (2009): Possible functional roles of cortical depsides and medullary depsidones in the foliose lichen *Hypogymnia physodes*. – *Flora* 204: 40–48.
- Spribille T. (2009): *Fuscopannaria leucosticta* (Tuck.) P.M. Jørg. rediscovered in Europe. – *Lichenologist* 41: 209–210.

- Spribile T., Thor G., Bunnell F. L., Goward T. & Björk C. R. (2009): Lichens on dead wood: species-substrate relationships in the epiphytic lichens floras of the Pacific Northwest and Fennoscandia. – *Ecography* 31: 741–750.
- Spribile T., Björk C. R., Ekman S., Elix J. A., Goward T., Printzen C., Tønsberg T. & Wheeler T. (2009): Contributions to an epiphytic lichen flora of northwest North America: I. Eight new species from British Columbia inland rain forests. – *Bryologist* 112: 109–137.
- Stocker-Wörgötter E. (2008): Metabolic diversity of lichen-forming ascomycetous fungi: culturing, polyketide and shikimate metabolite production, and PKS genes. – *Natural Product Reports* 25: 188–200.
- Stocker-Wörgötter E. & Elix J. A. (2009): Experimental studies of lichen-forming fungi: formation of depsidones and shikimic-acid derivatives by the cultured mycobionts of three selected species of *Rhizocarpon* (*Lecideaceae*, lichenized *Ascomycota*). – *Bibliotheca Lichenologica* 100: 513–531.
- Stocker-Wörgötter E., Hager A. & Elix J. A. (2009): Intraspecific chemical variation within the crustose lichen genus *Haematomma*: anthraquinone production in selected cultured mycobionts as a response to stress and nutrient supply. – *Phytochemistry Reviews* 8: 561–569.
- Storaunet K. O., Rolstad J., Toeneiet M. & Rolstad E. (2008): Effect of logging on the threatened epiphytic lichen *Usnea longissima*: a comparative and retrospective approach. – *Silva Fennica* 42: 685–703.
- Svensson M., Ekendahl T., Arup U., Berglund T., Gustavsson N., Jonsson F., Löfgren P., Thor G. & Westberg M. (2009): SLF:s höstexkursion till Skäckerfjällen 15–17 augusti 2008. – *Lavbulletinen* 2009/1: 4–24.
- Thell A., Högnabba F., Elix J. A., Feuerer T., Kärnefelt I., Myllys L., Randlane T., Saag A., Stenroos S., Ahti T. & Seaward M. R. D. (2009): Phylogeny of the cetrarioid core (*Parmeliaceae*) based on five genetic markers. – *Lichenologist* 41: 489–511.
- Thüs H. & Wirth V. (2009): *Verrucaria madida* in Zentraleuropa. – *Herzogia* 22: 71–77.
- Tretiach M., Muggia L. & Baruffo L. (2009): Species delimitation in the *Lepraria isidiata*-*L. santosii* group: a population study in the Mediterranean-Macaronesian region. – *Lichenologist* 41: 1–15.
- Truong C., Naciri Y. & Clerc P. (2009): Multivariate analysis of anatomical characters confirms the differentiation of two morphologically close species, *Melanohalea olivacea* (L.) O. Blanco et al. and *M. septentrionalis* (Lynge) O. Blanco et al.. – *Lichenologist* 41: 649–661.
- Urbanavichus G., Ahti T. & Urbanavichene I. (2008): Catalogue of lichens and allied fungi of Murmansk Region, Russia. – *Norrlinia* 17: 1–80.
- Urbanavichus G. P & Andreev M. P. (eds.) (2009): A checklist of the lichen flora of Russia. – The Russian Academy of Sciences, St. Petersburg. [171 pp.]
- van den Boom P. P. G. (2009): New *Halecania* species (*Catillariaceae*) from Europe and South America. – *Bryologist* 112: 827–832.
- van den Boom P. P. G., Giralt M. & Etayo J. (2009): Notes on the lichen genus *Rinodina* (*Physciaceae*, *Ascomycota*) from the Canary Islands. – *Nova Hedwigia* 88: 423–440.
- van den Boom P. & van den Boom B. (2009): Diversity of lichens and lichenicolous fungi in a primeval heathland and adjacent managed forest in southern Netherlands (Groote Heide and 't Leenderbos). – *Österreichische Zeitschrift für Pilzkunde* 18: 25–45.
- Velmala S., Myllys L., Halonen P., Goward T. & Ahti T. (2009): Molecular data show that *Bryoria fremontii* and *B. tortuosa* (*Parmeliaceae*) are conspecific. – *Lichenologist* 41: 231–242.
- Vogel S. (2009): Flechten auf straßenbegleitenden Bäumen an ausgewählten Standorten in Düsseldorf. – *Archive for Lichenology* 2: 1–15.
- Wedin M., Westberg M., Crewe A. T., Tehler A. & Purvis O. W. (2009): Species delimitation and evolution of metal bioaccumulation in the lichenized *Acarospora smaragdula* (*Ascomycota*, Fungi) complex. – *Cladistics* 25: 161–172.
- Wedin M., Wiklund E., Jørgensen P. M. & Ekman S. (2009): Slippery when wet: Phylogeny and character evolution in the gelatinous cyanobacterial lichens (*Peltigerales*, *Ascomycetes*). – *Molecular Phylogenetics and Evolution* 53: 862–871.
- Wen H. & Carignan J. (2009): Ocean to continent transfer of atmospheric Se as revealed by epiphytic lichens. – *Environmental Pollution* 157: 2790–2797.
- Westberg M., Frödén P. & Wedin M. (2009): A monograph of the genus *Placomaronea* (*Ascomycota*, *Candelariales*). – *Lichenologist* 41: 513–527.
- Wieczorek A. (2008): Autofluorescence of ascospores and conidial spores in selected lichen species of the *Opegrapha* genus. – *Acta Mycologica* 43: 99–103.
- Wieczorek A. (2009): Ultrastructural examination of the pycnidia and conidia of the genus *Opegrapha* (*Arthoniales*, *Ascomycota*). – *Acta Mycologica* 44: 165–171.

- Wirth V., Hauck M., de Bruyn U., Schiefelbein U., John V. & Otte V. (2009): Flechten aus Deutschland mit Verbreitungsschwerpunkt im Wald. – *Herzogia* 22: 79–107.
- Zarabska D. & Dolnik C. (2009): Some interesting records of *Cladonia* species from the Nizina Wielkopolska Lowland (W Poland). – *Acta Mycologica* 44: 223–232.
- Zotz G. & Bader M. Y. (2008): Epiphytic plants in a changing world-global: change effects on vascular and non-vascular epiphytes. – *Progress in Botany* 70: 147–170.

NOVÁ BRYOLOGICKÁ LITERATURA XXII.

New bryological literature, XXII

Jan Kučera¹, Svatava Kubešová², Michal Hájek³, Eva Holá^{1,4}, Lenka Němcová⁵ & Vítězslav Plášek⁶

¹ Jihočeská Univerzita, Přírodovědecká fakulta, Branišovská 31, CZ–370 05 České Budějovice, e-mail: kucera@prf.jcu.cz; ² Botanické oddělení, Moravské zemské muzeum, Hvězdoslavova 29a, CZ–627 00 Brno, skubesova@mzm.cz; ³ Masarykova univerzita, Ústav botaniky a zoologie, Kotlářská 2, CZ–611 37 Brno, hajek@sci.muni.cz; ⁴ AOPK ČR, Nuselská 39, CZ–140 00, Praha 4; ⁵ Univerzita J.E.Purkyně, Přírodovědecká fakulta, Za Válcovnou 1000/8, CZ–400 96, Ústí nad Labem; ⁶ Ostravská univerzita, KBE PřF, Chittussiho 10, CZ–710 00 Ostrava, vitezslav.plasek@osu.cz

Výběr ze světové bryologické literatury [Selection from the world bryological literature]

- Ahmed M. G. U., Chang Y. D. & Lee C. H. (2010): Factors affecting on *in vitro* gametophyte formation from spore culture of four moss species. – *Korean Journal of Horticultural Science & Technology* 28: 108–114.
- Aigoín D. A., Devos N., Huttunen S., Ignatov M. S., González-Mancebo J. M. & Vanderpoorten A. (2009): And if Engler was not completely wrong? Evidence for multiple evolutionary origins in the moss flora of Macaronesia. – *Evolution* 63: 3248–3257.
- Aigoín D. A., Huttunen S., Ignatov M. S., Dirkse G. M. & Vanderpoorten A. (2009): *Rhynchostegiella* (*Brachytheciaceae*): molecular re-circumscription of a convenient taxonomic repository. – *Journal of Bryology* 31: 213–221.
- Akiyama H., Masuzaki H. & Yamaguchi T. (2009): Habitat and morphological differentiation between *Pohlia annotina* and *P. drummondii* (*Mniaceae*) at higher elevations in Yakushima Island, Japan. – *Bryologist* 112: 749–761.
- Alvarenga L. D. P., Pôrto K. C. & Silva M. P. P. (2009): Relations between regional-local habitat loss and metapopulation properties of epiphyllous bryophytes in the Brazilian Atlantic forest. – *Biotropica* 41: 682–691.
- Anderson L. E., Shaw A. J. & Shaw B. (2009): Peat mosses of the southeastern United States. – *Memoirs of the New York Botanical Garden* 102: i–xiii, 1–111.
- Anićić M., Tomašević M., Tasić M., Rajšić S., Popović A., Frontasyeva M. V., Lierhagen S. & Steinnes E. (2009): Monitoring of trace element atmospheric deposition using dry and wet moss bags: Accumulation capacity versus exposure time. – *Journal of Hazardous Materials* 171: 182–188.
- Anishchenko L. N. (2009): Bryoindication of the general state of atmosphere in an urban ecosystem: The example of the city of Bryansk. – *Russian Journal of Ecology* 40: 247–253.
- Archaux F., Camaret S., Dupouey J.-L., Ulrich E., Corcket E., Bourjot L., Brêthes A., Chevalier R., Dobremez J.-F., Dumas Y., Dumé G., Forêt M., Forgeard F., Gallet M. L., Picard J.-F., Richard F., Savoie J.-M., Seytre L., Timbal J. & Touffet J. (2009): Can we reliably estimate species richness with large plots? an assessment through calibration training. – *Plant Ecology* 203: 303–315.
- Ardiles H. V., Osorio-Zúñiga F. & Barrera M. E. (2009): Briofitas sobre carpóforos de hongos [Bryophytes on carpophores of fungi]. – *Gayana Botanica* 66: 84–91.
- Ariyanti N. S., Gradstein S. R., Sporn S. G., Angelika R. & Tan B. C. (2009): Catalogue of the bryophytes of Sulawesi. Supplement 1: new species records. – *Blumea* 54: 287–289.