

NOVÁ LICHENOLOGICKÁ LITERATURA XVII.

New lichenological literature, XVII

Zdeněk P a l i c e

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

- Adamo P., Crisafulli P., Giordano S. et al. (2007): Lichen and moss bags as monitoring devices in urban areas. Part II: trace element content in living and dead biomonitors and comparison with synthetic materials. – *Environmental Pollution* 146: 392–399.
- Ahti T., Jørgensen P. M., Kristinsson H., Moberg R., Söchting U. & Thor G. (eds.) (2007): Nordic Lichen Flora. Volume 3. Cyanolichens. – Nordic Lichen Society, Uddevalla. [219 pp.]
- Alcantara G. B., Honda N. K., Ferreira M. M. C. & Ferreira A. G. (2007): Chemometric analysis applied in ¹H HR-MAS NMR and FT-IR data for chemotaxonomic distinction of intact lichen samples. – *Analytica Chimica Acta* 595: 3–8.
- Aguirre-Hudson B., Kokubun T., Spooner B. M. & Tibell L. (2007): Taxonomy of *Calicium victorianum* (F. Wilson) Tibell (*Caliciaceae*, *Lecanorales*), a lichenized ascomycete new to Europe. – *Lichenologist* 39: 401–407.
- Ahti T. (2007): Further studies on the *Cladonia verticillata* group (*Lecanorales*) in East Asia and western North America. – *Bibliotheca Lichenologica* 96: 5–19.
- Aptroot A. (2007): *Davidgallowaya cornutispora*, an enigmatic lichen from New Guinea. – *Bibliotheca Lichenologica* 95: 137–145.
- Aptroot A. & van Herk C. M. (2007): Further evidence of the effects of global warming on lichens, particularly those with *Trentepohlia* phycobionts. – *Environmental Pollution* 146: 293–298.
- Aptroot A. & van Herk C. M. (2007): *Lecidea grisella* sympatric with *Lecidea fuscoatra*, differing in its rimose instead of areolate thallus. – *Lichenologist* 39: 293–296.
- Argüello A., Crespo A. & Hawksworth D. L. (2007): Neo- and epitypifications to fix the application of the names *Parmelina carporrhizans* and *P. quercina*. – *Lichenologist* 39: 397–399.
- Argüello A., del Prado R., Cubas P. & Crespo A. (2007): *Parmelina quercina* (*Parmeliaceae*, *Lecanorales*) includes four phylogenetically supported morphospecies. – *Biological Journal of the Linnean Society* 91: 455–467.
- Armstrong R. A. & Welch A. R. (2007): Competition in lichen communities. – *Symbiosis* 43: 1–12.
- Arocena J. M., Siddique T., Thring R. W. & Kapur S. (2007): Investigation of lichens using molecular techniques and associated mineral accumulations on a basaltic flow in a Mediterranean environment. – *Catena* 70: 356–365.
- Arup U., Arneng E. & Söchting U. (2007): *Caloplaca fusciorufa*—a misunderstood species in northern Europe. – *Lichenologist* 39: 409–414.
- Arup U., Ekman S., Grube M., Mattsson J.-E. & Wedin M. (2007): The sister group relation of *Parmeliaceae* (*Lecanorales*, *Ascomycota*). – *Mycologia* 99: 42–49.
- Asplund J. & Gauslaa Y. (2007): Content of secondary compounds depends on thallus size in the foliose lichen *Lobaria pulmonaria*. – *Lichenologist* 39: 273–278.
- Aubert S., Juge C., Boisson A.-M., Gout E. & Bligny R. (2007): Metabolic processes sustaining the reviviscence of lichen *Xanthoria elegans* (Link) in high mountain environments. – *Planta* 226: 1287–1297.
- Awasthi D. D. (2007): A Compendium of the Macrolichens from India, Nepal and Sri Lanka. – Dehra Dun, Bishen Singh Mahendra Pal Singh. [580 pp.]
- Ayrault S., Clochiatti R., Carrot F., Daudin L. & Bennett J. P. (2007): Factors to consider for trace element deposition biomonitoring surveys with lichen transplants. – *Science of the Total Environment* 372: 717–727.
- Baruffo L. & Tretiach M. (2007): Seasonal variations of Fo, Fm, and Fv/Fm in an epiphytic population of the lichen *Punctelia subrudecta* (Nyl.) Krog. – *Lichenologist* 39: 555–565.
- Baur B., Fröberg L. & Müller S. W. (2007): Effect of rock climbing on the calcicolous lichen community of limestone cliffs in the northern Swiss Jura Mountains. – *Nova Hedwigia* 85: 429–444.
- Beauchamp H., Vust M. & Clerc P. (2007): Notes on selected terricolous lichens of Switzerland: Distribution, ecological and Red List data. – *Herzogia*, 20: 115–144.

- Bergamaschi L., Rizzio E., Giaveri G., Loppi S. & Gallorini M. (2007): Comparison between the accumulation capacity of four lichen species transplanted to a urban site. – *Environmental Pollution* 148: 468–476.
- Bergamini A., Stofer S., Bolliger J. & Scheidegger C. (2007): Evaluating macrolichens and environmental variables as predictors of the diversity of epiphytic microlichens. – *Lichenologist* 39: 475–490.
- Bielczyk U. (2006): Porosty Tatr - stan poznania i perspektywy badań. – In: Mirek Z. & Godzik B. (eds), *Tatrzański Park Narodowy na tle innych górskich terenów chronionych*, t. II., p. 39–47, Tatrzański Park Narodowy, Polskie Towarzystwo Przyjaciół Nauk o Ziemi Oddział w Krakowie, Kraków - Zakopane.
- Bilovitz P. O. (2007): Zur Flechtendiversität des „Mariazellerlandes“ und ausgewählter Standorte im Bereich Naßköhn-Hinteralm (Nordalpen, Steiermark). – *Mitteilungen der Naturwissenschaftlichen Vereines für Steiermark* 136: 61–112.
- Blaħa J. & Grube M. (2007): The new species *Lecanora bicinctoidea*, its position and considerations about phenotypic evolution in the *Lecanora rupicola* group. – *Mycologia* 99: 50–58.
- Bock C., Hauck M. & Fischer E. (2007): The lichen flora of Rwanda: an annotated checklist. – *Willdenowia* 37: 563–575.
- Bolliger J., Bergamini A., Stofer S., Kienast F. & Scheidegger C. (2007): Predicting the potential spatial distributions of epiphytic lichen species at the landscape scale. – *Lichenologist* 39: 279–291.
- Bradwell T. & Armstrong R. A. (2007): Growth rates of *Rhizocarpon geographicum* lichens: a review with new data from Iceland. – *Journal of Quaternary Science* 22: 311–320.
- Burgaz A. R., Argüello A., Atienza V. et al. (2007): Lichens and lichenicolous fungi of Sierra de San Lorenzo (La Rioja Community, Spain). – *Cryptogamie, Mycologie* 28: 133–153.
- Buschbom J. (2007): Migration between continents: geographical structure and long-distance gene flow in *Porpidia flavicunda* (lichen-forming Ascomycota). – *Molecular Ecology* 16: 1835–1846.
- Bylin A., Arnerup J., Högborg N. & Thor G. (2007): A phylogenetic study of *Fuscideaceae* using mtSSU rDNA. – *Bibliotheca Lichenologica* 96: 49–60.
- Carballal R., Paz-Bermúdez G. & Válcárcel C. P. (2007): The genera *Coccocarpia* (*Coccocarpiaceae*, *Ascomycota*), *Degelia* and *Erioderma* (*Pannariaceae*, *Ascomycota*) in the Iberian Peninsula. – *Nova Hedwigia* 85: 51–62.
- Cáceres M. E. S. (2007): Corticolous crustose and microfoliose lichens of northeastern Brazil. – *Libri Botanici* 22: 1–168.
- Cáceres M. E. S., Lücking R. & Rambold G. (2007): Phorophyte specificity and environmental parameters versus stochasticity as determinants for species composition of corticolous lichen communities in the Atlantic rain forest of northeastern Brazil. – *Mycological Progress* 6: 117–136.
- Caruso A. & Thor G. (2007): Importance of different tree fraction for epiphytic lichen diversity on *Picea abies* and *Populus tremula* in mature managed boreonemoral Swedish forests. – *Scandinavian Journal of Forest Research* 22: 219–230.
- Ceynowa-Giełdon M. (2007): *Thelidium rimosulum* (*Verrucariaceae*, lichenized *Ascomycota*), a new lichen species from Poland. – *Lichenologist* 39: 217–220.
- Christensen S. N. (2007): Lichens of *Cupressus sempervirens* on the Aegean islands of Kriti and Kos, Greece. – *Willdenowia* 37: 577–585.
- Christensen S. N. & Søchting U. (2007): Notes on the genus *Punctelia* in Denmark. – *Graphis Scripta* 19: 13–16.
- Christensen S. N. & Svane S. (2007): Contribution to the knowledge of the lichen flora of Crete (Kriti), Greece. – *Willdenowia*, 37: 587–593.
- Cordeiro L. M. C., Sasaki G. L. & Iacomini M. (2007): First report on polysaccharides of *Asterochloris* and their potential role in the lichen symbiosis. – *International Journal of Biological Macromolecules* 41: 193–197.
- Cornelissen J. H. C., Lang S. I., Soudzilovskaia N. A. & During H. J. (2007): Comparative cryptogam ecology: a review of bryophyte and lichen traits that drive biogeochemistry. – *Annals of Botany* 99: 987–1001.
- Coxson D. S. & Stevenson S. K. (2007): Growth rate responses of *Lobaria pulmonaria* to canopy structure in even-aged and old-growth cedar-hemlock forests of central-interior British Columbia, Canada. – *Forest Ecology and Management* 242: 5–16.
- Crespo A., Lumbsch H. T., Mattsson J.-E. et al. (2007): Testing morphology-based hypotheses of phylogenetic relationships in *Parmeliaceae* (*Ascomycota*) using three ribosomal markers and the nuclear *RPB1* gene. – *Molecular Phylogenetics and Evolution* 44: 812–824.
- Crittenden P., Llimona X. & Sancho L. (2007): Lichenized unicellular cyanobacteria fix nitrogen in the light. – *Canadian Journal of Botany* 83: 1003–1006.

- Czarnota P. & Coppins B. J. (2007): Contribution to the knowledge of rare *Bacidia* s.lat. (Lecanorales, lichenized Ascomycetes) from Central Europe including a new, pallid forma of *Bacidia hemipolia*. – *Nova Hedwigia* 85: 503–513.
- Czarnota P. & Kukwa M. (2007): *Rinodina griseosoralifera*, a lichen species new to the Western Carpathians. – *Acta Mycologica* 42: 287–290.
- Czeika H. & Czeika G. (2007): *Placynthium* in den Alpen und Karpaten sowie in benachbarten Gebieten. – *Herzogia* 20: 29–51.
- Davies L., Bates J. W., Bell J. N. B., James P. W. & Purvis W. O. (2007): Diversity and sensitivity of epiphytes to oxides of nitrogen in London. – *Environmental Pollution* 146: 299–310.
- De Bruyn U. (2007): Gesteinsflechten alter Kirchhöfe im Landkreis Wesermarsch (Niedersachsen, Weser-Ems-Gebiet). – *Herzogia* 20: 145–158.
- del Prado R. (2007): Dew as a key factor for lichen distribution pattern of the lichen species *Teloschistes lacunosus* in the Tabernas Desert (Spain). – *Flora* 202: 417–428.
- Diederich P. & Lawrey J. D. (2007): New lichenicolous, muscicolous, corticolous and lignicolous taxa of *Burgoa* s.l. and *Marchandiomyces* s.l. (anamorphic *Basidiomycota*), a new genus for *Omphalina foliacea*, and a catalogue and a key to the non-lichenized, bulbiferous basidiomycetes. – *Mycological Progress* 6: 61–80.
- Divakar P. K., Amo de Paz G., del Prado R., Esslinger T. L. & Crespo A. (2007): Upper cortex anatomy corroborates phylogenetic hypothesis in species of *Physconia* (*Ascomycota*, *Lecanoromycetes*). – *Mycological Research* 111: 1311–1320.
- Dyer L. A. & Letourneau D. K. (2007): Determinants of lichen diversity in a rain forest understory. – *Biotropica* 39: 525–529.
- Elix J. A., Wirtz N. & Lumbsch H. T. (2007): Studies on the chemistry of some *Usnea* species of the *Neuropogon* group (*Lecanorales*, *Ascomycota*). – *Nova Hedwigia* 85: 491–501.
- Ellis C. J. & Binder M. B. (2007): Inferred shift in the British distribution of *Vulpicida pinastri* using herbarium and mapping data. – *British Lichen Society Bulletin* 101: 4–10.
- Ellis C. J. & Coppins B. J. (2007): Changing climate and historic-woodland structure interact to control species diversity of the 'Lobarion' epiphyte community in Scotland. – *Journal of Vegetation Science* 18: 725–734.
- Ellis C. J. & Coppins B. J. (2007): 19th century woodland structure controls stand-scale epiphyte diversity in present-day Scotland. – *Diversity and Distributions* 13: 84–91.
- Ellis C. J. & Coppins B. J. (2007): Reproductive strategy and the compositional dynamics of crustose lichen communities on aspen (*Populus tremula* L.) in Scotland. – *Lichenologist* 39: 377–391.
- Ellis C. J., Coppins B. J. & Dawson T. P. (2007) Predicted response of the lichen epiphyte *Lecanora populicola* to climate change scenarios in a clean-air region of northern Britain. – *Biological Conservation* 135: 396–404.
- Ellis C. J., Coppins B. J., Dawson T. P. & Seaward M. R. D. (2007): Response of British lichens to climate change scenarios: trends and uncertainties in the projected impact for contrasting biogeographic groups. – *Biological Conservation* 140: 217–235.
- Elo H., Matikainen J. & Peltari E. (2007): Potent activity of the lichen antibiotic (+)-usnic acid against clinical isolates of vancomycin-resistant enterococci and methicillin-resistant *Staphylococcus aureus*. – *Naturwissenschaften* 94: 465–468.
- Ertz D. & Diederich P. (2007): Revision of the *Opegrapha* species with muriform ascospores (previously *Dictyographa*) (lichenized *Roccellaceae*). – *Lichenologist* 39: 143–151.
- Escudero A., Martínez I., de la Cruz A., Otálora M. A. G. & Maestre F. T. (2007): Soil lichens have species-specific effects on the seedling emergence of three gypsophile plants. – *Journal of Arid Environments* 70: 18–28.
- Esslinger T. L. (2007): A synopsis of the North American species of *Anaptychia* (*Physciaceae*). – *Bryologist* 110: 788–789.
- Favero-Longo S. E., Girlanda M., Honegger R., Fubini B. & Piervittori R. (2007): Interactions of sterile-cultured lichen-forming ascomycetes with asbestos fibres. – *Mycological Research* 111: 473–781.
- Fernández-Salegui A. B., Terrón A., Barreno E. & Nimis P. L. (2007): Biomonitoring with cryptogams near the power station of La Robla (León, Spain). – *Bryologist* 110: 723–737.
- Feurerer T. & Hawksworth D. L. (2007): Biodiversity of lichens, including a world-wide analysis of checklist data based on Takhtajan's floristic regions. – *Biodiversity and Conservation* 16: 85–98.
- Flakus A. (2006): Porosty piętrowego Tatr Polskich - wstępne wyniki badań. – In: Mirek Z. & Godzik B. (eds), *Tatrzański Park Narodowy na tle innych górskich terenów chronionych*, t. II., p. 59–61,

- Tatrzański Park Narodowy, Polskie Towarzystwo Przyjaciół Nauk o Ziemi Oddział w Krakowie, Kraków - Zakopane.
- Flakus A. (2007): Lichenized and lichenicolous fungi from mylonitized areas of the subnival belt in the Tatra Mountains (Western Carpathians). – *Annales Botanici Fennici* 44: 427–449.
- Franzen-Reuter I. & Frahm J.-P. (2007): Auswirkungen experimenteller Stickstoffgaben auf die Epiphytenflora in Dauerbeobachtungsflächen (Rheinland-Pfalz, Deutschland). – *Herzogia* 20: 61–75.
- Gadd G. M. (2007): Geomycology: biogeochemical transformations of rocks, minerals, metals and radionuclides by fungi, bioweathering and bioremediation. – *Mycological Research* 111: 3–49.
- Geiser D. M., Gueidan C., Miadlikowska J. et al. (2006): *Eurotiomycetes: Eurotiomycetidae* and *Chaetothyriomycetidae*. – *Mycologia* 98: 1053–1064.
- Giordani P. (2007): Is the diversity of epiphytic lichens a reliable indicator of air pollution? A case study from Italy. – *Environmental Pollution* 146: 317–323.
- Grube M. & Blaha J. (2005): Halotolerance and lichen symbioses. – In: Gunde-Cimerman N., Oren A. & Plemenitaš A. (eds), *Adaptation to Life at High Salt Concentrations in Archaea, Bacteria, and Eukarya*, p. 471–488, Springer Verlag, Dordrecht, The Netherlands.
- Grube M. & Hawksworth D. L. (2007): Trouble with lichen: the re-evaluation and re-interpretation of thallus form and fruit body types in the molecular era. – *Mycological Research* 111: 1116–1132
- Gueidan C. & Roux C. (2007): *Verrucaria calciseda* DC. Néotypification, description et transfert dans le genre *Bagliettoa*. – *Bulletin de la Société Linnéenne de Provence* 58: 181–194.
- Gueidan C., Roux C. & Lutzoni F. (2007): Using a multigene phylogenetic analysis to assess generic delineation and character evolution in *Verrucariaceae* (*Verrucariales*, *Ascomycota*). – *Mycological Research* 111: 1145–1168.
- Hafellner, J. (2007): Checklist and bibliography of lichenized and lichenicolous fungi so far reported from Albania (version 05-2007). – *Fritschiana* 59: 1–18.
- Hafellner J. & Komposch H. (2007): Diversität epiphytischer Flechten und lichenicoler Pilze in einem mitteleuropäischen Urwaldrest und einem angrenzenden Forst. – *Herzogia* 20: 87–113.
- Hafellner J. & Obermayer W. (2007): Flechten und lichenicole Pilze im Gebiet der Stubalpe (Österreich: Steiermark und Kärnten). – *Mitteilungen der Naturwissenschaftlichen Vereines für Steiermark* 136: 5–59.
- Harris R. C. & Ladd D. (2007): New taxa of lichens and lichenicolous fungi from the Ozark Ecoregion. – *Opuscula Philolichenum* 4: 57–68.
- Hauck M., Dulamsuren C. & Mühlenberg M. (2007): Lichen diversity on steppe slopes in the northern Mongolian mountain taiga and its dependence on microclimate. – *Flora* 202: 530–546.
- Hauck M., Helms G. & Friedl T. (2007): Photobiont selectivity in the epiphytic lichens *Hypogymnia physodes* and *Lecanora conizaeoides*. – *Lichenologist* 39: 195–204.
- Hauck M. & Huneck S. (2007): The putative role of fumarprotocetraric acid in the manganese tolerance of the lichen *Lecanora conizaeoides*. – *Lichenologist* 39: 301–304.
- Hauck M. & Huneck S. (2007): Lichen substances affect metal adsorption in *Hypogymnia physodes*. – *Journal of Chemical Ecology* 33: 219–223.
- Hauck M., Huneck S., Elix J. A. & Paul A. (2007): Does secondary chemistry enable lichens to grow on iron-rich substrates? – *Flora* 202: 471–478.
- Hawksworth D. L. (2007): William Lauder Lindsay (1829-1880): notes on an extraordinary man, and the new lichenicolous fungi he described from New Zealand. – *Bibliotheca Lichenologica* 95: 29–40.
- Hawksworth D. L., David J. C., Ahti T. & McNeill J. (2007): The correct date and place of publication of the ten new generic names employed by Acharius in the *Lichenographia Universalis*. – *Taxon* 56: 567–570.
- Hestmark G., Skogedal O. & Skullerud Ø. (2007): Early recruitment equals long-term relative abundance in an alpine saxicolous lichen guild. – *Mycologia* 99: 207–214.
- Hibbett D. S., Binder M., Bischoff J. F. et al. (2007): A higher-level phylogenetic classification of the *Fungi*. – *Mycological Research* 111: 509–547.
- Hitch C. (ed.) (2007): New, rare and interesting lichens. – *British Lichen Society Bulletin* 101: 66–86.
- Hofstetter V., Miadlikowska J., Kauff F. & Lutzoni F. (2007): Phylogenetic comparison of protein-coding versus ribosomal RNA-coding sequence data: A case study of the *Lecanoromycetes* (*Ascomycota*). – *Molecular Phylogenetics and Evolution* 44: 412–426.
- Holt E. A., McCune B. & Neitlich P. (2007): Succession and community gradients of Arctic macrolichens and their relation to substrate, topography, and rockiness. – *Pacific Northwest Fungi* 2: 1–21.
- Honegger R. & Zippler U. (2007): Mating systems in representatives of *Parmeliaceae*, *Ramalinaceae* and *Physciaceae* (*Lecanoromycetes*, lichen-forming ascomycetes). – *Mycological Research* 111: 424–432.

- Huneck S. (2006): Die Flechten der Kupferschieferhalden um Eisleben, Mansfeld und Sangerhausen. – Mitteilungen zur floristischen Kartierung in Sachsen-Anhalt. Sonderheft 4. Botanische Verein Sachsen-Anhalt, Halle (Saale). [62 pp.]
- Isocrono D., Matteucci E., Ferrarese A., Pensi E. & Pievittori R. (2007): Lichen colonization in the city of Turin (N Italy) based on current and historical data. – *Environmental Pollution* 145: 258–265.
- Jabłońska A. & Kukwa M. (2007): The lichen genus *Ochrolechia* in Poland I. *O. androgyna* s.lat. and *O. arborea*. – *Herzogia* 20: 13–27.
- John V. (2006): Vom Truppenübungsplatz zum Naturschutzgebiet: Das Inventar an Flechten (Lichenes), dargestellt an zwei Beispielen aus der Pflaz. – *Fauna Flora Rheinland-Pfalz* 10: 1163–1184.
- John V. (2007): Checkliste der Flechten und flechtenbewohnenden Pilze des Saarlandes mit einer Bibliographie. – *Abh. Delattinia* 155–188.
- Jomelli V., Grancher D., Naveau P., Cooley D. & Brunstein D. (2007): Assessment study of lichenometric methods for dating surfaces. – *Geomorphology* 86: 131–143.
- Jørgensen P. M. (2007): History of lichenology in Norway. – *Bibliotheca Lichenologica* 95: 41–61.
- Jovan S. (2007): Lichens and nitrogen. – *Bryologist* 110: 333–335.
- Jovan S. & Carlberg T. (2007): Nitrogen content of *Letharia vulpina* tissue from forests of the Sierra Nevada, California: geographic patterns and relationships to ammonia estimates and climate. – *Environmental Monitoring and Assessment* 129: 243–251.
- Kalb K. (2007): New or otherwise interesting lichens. III. – *Bibliotheca Lichenologica* 95: 297–316.
- Kantvilas G. & Elix J. A. (2007): Observations on the genus *Maronina*. – *Bibliotheca Lichenologica* 96: 137–143.
- Kantvilas G. & Elix J. A. (2007): The genus *Ramboldia* (*Lecanoraceae*): a new species, key and notes. – *Lichenologist* 39: 135–141.
- Kärnefelt I. & Thell A. (2007): Eric Acharius and his times. – *Bibliotheca Lichenologica* 95: 63–73.
- Kłós A., Rajfur M., Waclawek M. & Waclawek W. (2007): Heavy metal sorption in the lichen cationactive layer. – *Bioelectrochemistry* 71: 60–65.
- Koneva V. V. (2007): Lichen flora of the territory between the Ob and the Chulym. – *Siberian Journal of Ecology* 14: 409–415.
- Koopmann R., Stevens H., Franzen-Reuter I., Frahm J. P. & Grote M. (2007): In vitro inhibition of soredial growth in the epiphytic lichen *Physcia tenella* (Ascomycetes: *Lecanorales*) by a variety of bark phenols. – *Lichenologist* 39: 567–572.
- Kossowska M., Szczepańska K., Fałtynowicz W., Jando K., Kowalewska A. & Dimos M. (2007): Różnorodność gatunkowa porostów epifitycznych na stałych powierzchniach monitoringowych w Karkonoskim Parku Narodowym. – *Parki Narodowe i Rezerваты Przyrody* 26: 3–16.
- Krzewicka B. (2006): Wodne gatunki porostów z rodzaju *Verrucaria* w potoku Chochołowskim w Tatrach. – In: Mirek Z. & Godzik B. (eds), *Tatrzański Park Narodowy na tle innych górskich terenów chronionych*, t. II., p. 53–58, *Tatrzański Park Narodowy*, Polskie Towarzystwo Przyjaciół Nauk o Ziemi Oddział w Krakowie, Kraków - Zakopane.
- Krzewicka B., Stoykov D. Y. & Nowak J. (2007): New and noteworthy species of *Verrucaria* from Bulgaria. – *Mycologia Balcanica* 4: 131–134.
- Kukwa M. & Diederich P. (2007): New records of leprarioid lichens from Luxembourg and France, with the first report of fertile *Lecanora rouxii*. – *Bulletin de la Société des naturalistes luxembourgeois* 108: 15–19.
- Kukwa M. & Kubiak D. (2007): Six sorediate crustose lichens new to Poland. – *Mycotaxon* 102: 155–164.
- Lai M. J., Qian Z. G. & Xu L. (2007): Synopsis of the cetrarioid lichen genera and species (*Parmeliaceae*, Lichenized *Ascomycotina*) in China. – *Journal of the National Taiwan Museum* 60: 45–62.
- Lange O. L., Green T. G. A., Meyer A. & Zellner H. (2007): Water relations and carbon dioxide exchange of epiphytic lichens in the Namib fog desert. – *Flora* 202: 479–487.
- Larsen R. S., Bell J. N. B., James P. W., Chimonides J., Rumsey F. J., Tremper A. & Purvis W. O. (2007): Lichen and bryophyte distribution on oak in London in relation to air pollution and bark acidity. – *Environmental Pollution* 146: 332–340.
- Laundon J. R. & Waterfield A. (2007): William Borrer's lichens in the Supplement to the English botany 1829-1866. – *Botanical Journal of the Linnean Society* 154: 381–392.
- Lawrey J. D., Binder M., Diederich P., Molina M. C., Sikaroodi M. & Ertz D. (2007): Phylogenetic diversity of lichen-associated homobasidiomycetes. – *Molecular Phylogenetics and Evolution* 44: 778–789.
- Lewis Smith R. I. (2007): Half a continent in a square kilometre: the exceptional lichen diversity of a small Antarctic island. – *Bibliotheca Lichenologica* 95: 387–403.

- Lindblom L. & Ekman S. (2007): New evidence corroborates population differentiation in *Xanthoria parietina*. – *Lichenologist* 39: 259–271.
- Lisov A. V., Zavarzina A. G., Zavarzin A. A. & Leontievsky A. A. (2007): Laccases produced by lichens of the order *Peltigerales*. – *FEMS Microbiology Letters* 275: 46–52.
- Litterski B. & Schiefelbein U. (2007): Rote Liste der Flechten Mecklenburg-Vorpommerns. 2. Fassung. – Ministerium für Landwirtschaft, Umwelt und Verbraucherschutz Mecklenburg-Vorpommern, Schwerin. [56 pp.]
- Llop E. (2007): Flora Liquenológica Ibérica. Vol. 3. *Lecanorales: Bacidiaceae* I. *Bacidia* y *Bacidina*. – Sociedad Española de Liquenología, Barcelona. [49 pp.]
- Llop E. (2007): *Fellhanera colchica*, relocating a forgotten taxon, and *Byssoloma llimonae* new for Italy. – *Lichenologist* 39: 393–396.
- Llop E. & Ekman S. (2007): *Bacidia coprodes* - resurrecting a misinterpreted species. – *Lichenologist* 39: 251–257.
- Llop E., Ekman S. & Hladun N. L. (2007): *Bacidia thyrrhenica* (*Ramalinaceae*, lichenized *Ascomycota*), a new species from the Mediterranean region, and a comparison of European members of the *Bacidia rubella* group. – *Nova Hedwigia* 85: 445–455.
- Lohtander K., Urbanavichus G. & Ahti T. (2007): The phylogenetic position of two new species of *Physconia* (lichenized *Ascomycetes*) from Russia. – *Bibliotheca Lichenologica* 96: 175–184.
- Łubek A. (2007): Antropogeniczne przemiany bioty porostów Świętokrzyskiego Parku Narodowego i otuliny. – *Fragmenta Floristica et Geobotanica Polonica, Suppl.* 10: 3–94.
- Lücking R. (2007): *Kalbobracha*: Monografie einer unerkannten Flechtengattung. – *Bibliotheca Lichenologica* 96: 185–192.
- Lücking R., Aptroot A., Chaves J. L., Sipman H. J. M. & Umaña L. (2007): A first assessment of the TICOLICHEN biodiversity inventory in Costa Rica: the genus *Coccocarpia* (*Peltigerales: Coccocarpiaceae*). – *Bibliotheca Lichenologica* 95: 429–457.
- Lücking R., Buck W. R. & Rivas Plata E. (2007): The lichen family *Gomphillaceae* (*Ostropales*) in eastern North America, with notes on hyphophore development in *Gomphillus* and *Gyalideopsis*. – *Bryologist* 110: 622–672.
- Lücking R., Sipman H. J. M., Umaña L., Chaves J. L. & Lumbsch H. T. (2007): *Aptrootia* (*Dothideomycetes: Trypetheliaceae*), a new genus of pyrenocarpous lichens for *Thelenella terricola*. – *Lichenologist* 39: 187–193.
- Lumbsch H. T., Schmitt I., Lücking R., Wiklund E. & Wedin M. (2007): The phylogenetic placement of *Ostropales* within *Lecanoromycetes* (*Ascomycota*) revisited. – *Mycological Research* 111: 257–267.
- Lumbsch H. T., Schmitt I., Mangold A. & Wedin M. (2007): Ascus types are phylogenetically misleading in *Trapeliaceae* and *Agyriaceae* (*Ostropomycetidae, Ascomycota*). – *Mycological Research* 111: 1133–1141.
- Machart P., Hofmann W., Türk R. & Steger F. (2007): Ecological half-life of ¹³⁷Cs in lichens in an alpine region. – *Journal of Environmental Radioactivity* 97: 70–75.
- Mayrhofer H. & Sheard J. W. (2007): *Rinodina archaea* (*Physciaceae*, lichenized *Ascomycetes*) and related species. – *Bibliotheca Lichenologica* 96: 229–246.
- McCune B. & Rosentreter R. (2007): Biotic soil crust lichens of the Columbia Basin. – Northwest Lichenologists, Corvallis, Oregon. [105 pp.]
- McCune B., Tønsberg T. & Ahti T. (2007): *Hypogymnia incurvoides* new to Scandinavia and the Appalachian Mountains. – *Graphis Scripta* 19: 10–12.
- McEvoy M., Gauslaa Y. & Solhaug K. A. (2007): Changes in pools of depsidones and melanins, and their function, during growth and acclimation under contrasting natural light in the lichen *Lobaria pulmonaria*. – *New Phytologist* 175: 271–282.
- McEvoy M., Solhaug K. A. & Gauslaa Y. (2006): Ambient UV irradiation induces a blue pigment in *Xanthoparmelia stenophylla*. – *Lichenologist* 38: 285–289.
- Miadlikowska J., Kauff F., Hofstetter V. et al. (2006): New insights into classification and evolution of the *Lecanoromycetes* (*Pezizomycotina, Ascomycota*) from phylogenetic analyses of three ribosomal RNA- and two protein-coding genes. – *Mycologia* 98: 1088–1103.
- Mikhailova I. N. (2007): Populations of epiphytic lichens under stress conditions: survival strategies. – *Lichenologist* 39: 83–89.
- Mitchell M. E. (2007): Signposts to symbiosis: a review of early attempts to establish the constitution of lichens. – *Huntia* 13: 101–120.
- Motiejūnaitė J. (2007): Epiphytic lichen community dynamics in deciduous forests around a phosphorus fertiliser factory in Central Lithuania. – *Environmental Pollution* 146: 341–349.

- Motiejūnaitė J. (2007): Lichenized, lichenicolous and allied fungi of Žemaitija National Park (Lithuania). – *Herzogia* 20: 179–188.
- Munzi S., Ravera S. & Caneva G. (2007): Epiphytic lichens as indicators of environmental quality. – *Environmental Pollution* 146: 350–358.
- Myllys L., Stenroos S., Thell A. & Kuusinen M. (2007): High cyanobiont selectivity of epiphytic lichens in old growth boreal forest of Finland. – *New Phytologist* 173: 621–629.
- Nali C., Balducci E., Frati L., Paoli L., Loppi S. & Lorenzini G. (2007): Integrated biomonitoring of air quality with plants and lichens: A case study on ambient ozone from central Italy. – *Chemosphere* 67: 2169–2176.
- Nascimbene J., Marini L. & Nimis P. L. (2007): Influence of forest management on epiphytic lichens in a temperate beech forest of northern Italy. – *Forest Ecology and Management* 247: 43–47.
- Nascimbene J., Nimis P. L. & Marini L. (2007): Testing indicators of epiphytic lichen diversity: a case study in N Italy. – *Biodiversity and Conservation* 16: 3377–3383.
- Nash T. H. III, Gries C. & Bungartz F. (eds) (2007): Lichen Flora of the Greater Sonoran Desert Region. Volume 3. – Lichens Unlimited, Arizona State University, Tempe. [567 pp.]
- Navarro-Rosinés P., Roux C. & Gueidan C. (2007): La genroj *Verrucula* kaj *Verruculopsis* (*Verrucariaceae*, *Verrucariales*). – *Bulletin de la Société Linnéenne de Provence* 58: 133–180.
- Nordin A., Botnen A. & Santesson R. (2007): *Gyalidea polyspora* formally described from Norway and Sweden. – *Graphis Scripta* 19: 37–39.
- Nordin A., Tibell L. & Owe-Larsson B. (2007): A preliminary phylogeny of *Aspicilia* in relation to morphological and secondary product variation – *Bibliotheca Lichenologica* 96: 247–266.
- Nyati S., Beck A. & Honegger R. (2007): Fine structure and phylogeny of green algal photobionts in the microfilamentous genus *Psoroglaena* (*Verrucariaceae*, lichen-forming Ascomycetes). – *Plant Biology* 9: 390–399.
- Nybakken L., Asplund J., Solhaug K. A. & Gauslaa Y. (2007): Forest successional stage affects the cortical secondary chemistry of three old forest lichens. – *Journal of Chemical Ecology* 33: 1607–1618.
- Nybakken L. & Gauslaa Y. (2007): Difference in secondary compounds and chlorophylls between fibrils and main stems in the lichen *Usnea longissima* suggests different functional roles. – *Lichenologist* 39: 491–494.
- Obermayer W. & Mayrhofer H. (2007): Hunting for *Cetrelia chicitae* (Lichenized Ascomycetes) in the eastern European Alps, including an attempt for a morphological characterization of all taxa of the genus *Cetrelia* in Central Europe). – *Phyton* 47: 231–290.
- Otnyukova T. (2007): Epiphytic lichen growth abnormalities and element concentrations as early indicators of forest decline. – *Environmental Pollution* 146: 359–365.
- Otte V. (2007): *Bacidia suffusa* (*Lichenes: Bacidaceae*) in Adygeya (Caucasus), the first record outside America. – *Abhandlungen und Berichte des Naturkundemuseums Görlitz* 78: 141–145.
- Otte V. (2007): Flechten, lichenicole Pilze und Moose aus dem Nordwest-Kaukasus - zweiter Nachtrag. – *Herzogia* 20: 221–237.
- Otte V. (2007): Lichenologische Beobachtungen in der Oberlausitz III. – *Berichte der Naturforschenden Gesellschaft der Oberlausitz* 15: 163–166.
- Otte V. (2007): *Waynea stoechadiana* (*Lichenes: Bacidaceae*) - a Mediterranean element at the Caucasian Black Sea coast. – *Abhandlungen und Berichte des Naturkundemuseums Görlitz* 78: 147–150.
- Printzen C. (2007): New records of *Cheiromycina* species, a genus of lichenized hyphomycetes, with *C. reimeri* sp. nov. and a revised key to the species. – *Nova Hedwigia* 84: 261–267.
- Purvis W. O., Longden J., Shaw G. et al. (2006): Biogeochemical signatures in the lichen *Hypogymnia physodes* in the mid Urals. – *Journal of Environmental Radioactivity* 90: 151–162.
- Pykälä J. (2007): Additions to the lichen flora of Finland II. Calcareous rocks and associated soils in Lohja. – *Graphis Scripta* 19:17–32.
- Quilhot W., Rubio C. & Cuellar M. (2007): Comparative studies between the lichen flora from Chile and Antarctica. – *Bibliotheca Lichenologica* 95: 479–488.
- Randlane T. & Saag A. (2007): Cetrarioid lichens in the Southern Hemisphere—an identification key and distribution patterns of the species. – *Bibliotheca Lichenologica* 95: 489–499.
- Ranković B., Mišić M. & Sukdolac S. (2007): Evaluation of antimicrobial activity of the lichens *Lasallia pustulata*, *Parmelia sulcata*, *Umbilicaria crustulosa*, and *Umbilicaria cylindrica*. – *Microbiology* 76: 723–727.
- Reese Næsberg R., Ekman S. & Tibell L. (2007): Molecular phylogeny of the genus *Lecania* (*Ramalinaceae*, lichenized *Ascomycota*). – *Mycological Research* 111: 581–591.

- Reese Næsborg R. & van den Boom P. P. G. (2007): *Lecania belgica* van den Boom & Reese Næsborg, a new saxicolous lichen species from western Europe. – *Lichenologist* 39: 499–503.
- Roux C., Coste C., Bricaud O. & Masson D. (2007): Catalogue des lichens et des champignons lichénicoles de la région Languedoc-Roussillon (France méridionale): complément et corrections. – *Bulletin de la Société Linnéenne de Provence* 58: 127–132.
- Roux C., Coste C., Bricaud O. & Masson D. (2007): Lichens et champignons lichénicoles du parc national des Cévennes (France) 4 - Le massif de l'Aigoual. – *Bulletin de la Société Linnéenne de Provence* 58: 103–125.
- Saag L., Hansen E. S., Saag A. & Randle T. (2007): Survey of *Lepraria* and *Leprocaulon* in Greenland. – *Mycotaxon* 102: 57–90.
- Sancho L. G., de la Torre R., Horneck G. et al. (2007): Lichens survive in space: results from the 2005 LICHENS experiment. – *Astrobiology* 7: 443–454.
- Schiefelbein U. (2007): Ökologie und Verbreitung von in Mecklenburg-Vorpommern neu- und wiedergefundenen lichenisierten und lichenicolen Pilzen. – *Herzogia* 20: 77–86.
- Schiefelbein U. & Litterski B. (2007): Bibliographie der Flechten und lichenicolen Pilze Mecklenburg-Vorpommerns von 1996 bis 2006. – *Feddes Repertorium* 118: 129–160.
- Schultz M. (2007): On the identity of *Anema dodgei*, *Psorotichia segregata* and *Psorotichia squamulosa*, three misunderstood cyanolichens from the southwestern United States. – *Bryologist* 110: 286–294.
- Schultz M. & van den Boom P. P. G. (2007): Notes on cyanobacterial lichens (mostly *Lichinales*, *Ascomycota*) of the Canary Islands. – *Nova Hedwigia*, 84: 113–133.
- Seaward M. R. D. (2007): Richard Spruce's contribution to lichenology. – *Bibliotheca Lichenologica* 95: 105–117.
- Sérusiaux E., Berger F., Brand M. & van den Boom P. (2007): The lichen genus *Porina* in Macaronesia, with descriptions of two new species. – *Lichenologist* 39: 15–34.
- Sérusiaux E., Coppins B. J. & Lücking R. (2007): *Phylloblastia inexpectata* (Verrucariaceae), a new species of foliicolous lichen from Western Europe and Madeira. – *Lichenologist* 39: 103–108.
- Sérusiaux E. & Lücking R. (2007): *Gallaicolichen*, a new genus of foliicolous lichen with unique diaspores. – *Bibliotheca Lichenologica* 95: 509–516.
- Seymour F. A., Crittenden P. D., Wirtz N., Øvstedal D. O., Dyer P. S. & Lumbsch H. T. (2007): Phylogenetic and morphological analysis of Antarctic lichen-forming *Usnea* species in the group *Neuropogon*. – *Antarctic Science* 19: 71–82.
- Sipman H. J. M. (2007): New lecanoroid lichens from Greece. – *Bibliotheca Lichenologica* 96: 267–277.
- Sheppard P. R., Speakman R. J., Ridenour G. & Witten M. L. (2007): Using lichen chemistry to assess airborne tungsten and cobalt in Fallon, Nevada. – *Environmental Monitoring and Assessment* 130: 511–518.
- Śliwa L. (2006): Lichenologiczne badania na polanach w Tatrzańskim Parku Narodowym - metodyka i wyniki wstępne. – In: Mirek Z. & Godzik B. (eds), *Tatrzański Park Narodowy na tle innych górskich terenów chronionych*, t. II., p. 49–52, Tatrzański Park Narodowy, Polskie Towarzystwo Przyjaciół Nauk o Ziemi Oddział w Krakowie, Kraków - Zakopane.
- Śliwa L. (2007): A revision of the *Lecanora dispersa* complex in North America. – *Polish Botanical Journal* 52: 1–70.
- Śliwa L. (2007): *Lecanora semipallida*, the correct name for *L. xanthostoma*, and a reappraisal of *L. flotoviana* (Lecanoraceae, Ascomycotina). – *Polish Botanical Journal* 52: 71–79.
- Søchting U., Huneck S. & Etayo J. (2007): *Caloplaca epigaea* sp. nova from arid soil in Spain and dead grass in Germany. – *Bibliotheca Lichenologica* 96: 279–286.
- Sohrabi M., Ahti T. & Urbanavichus G. (2007): Parmelioid lichens of Iran and the Caucasus Region.. – *Mycologia Balcanica* 4: 21–30.
- Sonesson M., Sveinbjörnsson B., Tehler A. & Carlsson B. A. (2007): A comparison of the physiology, anatomy and ribosomal DNA in alpine and subalpine populations of the lichen *Nephroma arcticum*—the effects of an eight-year transplant experiment. – *Bryologist* 110: 244–253.
- Sparrius L. B. (2007): Response of epiphytic lichen communities to decreasing ammonia air concentrations in a moderately polluted area of The Netherlands. – *Environmental Pollution* 146: 375–379.
- Sparrius L. B., Aptroot A. & van Herk K. (2007): Diversity and ecology of lichens on churches in the Netherlands. – *Nova Hedwigia* 85: 299–316.
- Spier L. & Aptroot A. (2007): *Cladonia rei* is a chemotype and synonym of *Cladonia subulata*. – *Lichenologist* 39: 57–60.
- Spribile T. & Tønsberg T. (2007): *Lepraria bergensis* and *L. obtusatica* new to Germany. – *Herzogia* 20: 327–328.

- Stark S., Kytöviita M.-M. & Neumann A. B. (2007): The phenolic compounds in *Cladonia* lichens are not antimicrobial in soils. – *Oecologia* 152: 299–306.
- Stevenson S. K. & Coxson D. S. (2007): Arboreal forage lichens in partial cuts - a synthesis of research results from British Columbia, Canada. – *Rangifer* 17: 155–165.
- Svensson M. & Thor G. (2007): *Gyalidea fruticola*, a new corticolous lichen from Europe. – *Lichenologist* 39: 335–338.
- Tehler A. & Irestedt M. (2007): Parallel evolution of lichen growth forms in the family *Roccellaceae* (*Arthoniales*, *Ascomycota*). – *Cladistics* 23: 432–454.
- Thell A., Söchting U., Kärnefelt I., Elix J. A. & Sancho L. G. (2007): Phylogeny of *Himantormia* an Antarctic genus in the *Parmeliaceae* (lichenized ascomycetes). – *Bibliotheca Lichenologica* 95: 531–541.
- Thiel H. & Spribille T. (2007): Lichens and bryophytes on shaded sandstone outcrops used for rock climbing in the vicinity of Göttingen (southern Lower Saxony, Germany). – *Herzogia* 20: 159–177.
- Timdal E., Bratli H., Haugan R., Holien H. & Tønsberg T. (2006): Lav. "Lichenes". – In: Kålås J. A., Viken Å. & Bakken T. (red.), Norsk Rødliste 2006 – 2006 Norwegian Red List, p. 129–139, Artsdatabanken Trondheim, Norway.
- Tõrra T. & Randlane T. (2007): The lichen genus *Usnea* (lichenized Ascomycetes, *Parmeliaceae*) in Estonia with a key to the species in the Baltic countries. – *Lichenologist* 39: 415–438.
- Tretiach M., Adamo P., Bargagli R. et al. (2007): Lichen and moss bags as monitoring devices in urban areas. Part I. Influence of exposure on sample vitality. – *Environmental Pollution* 146: 380–391.
- Tretiach M., Crisafulli P., Imai N. et al. (2007): Efficacy of a biocide tested on selected lichens and its effects on their substrata. – *International Biodeterioration & Biodegradation* 59: 44–54.
- Tretiach M., Piccotto M. & Baruffo L. (2007): Effects of ambient NO_x on chlorophyll a fluorescence in transplanted *Flavoparmelia caperata*. – *Environmental Science & Technology* 41: 2978–2984.
- Tschaikner A., Ingolić E., Holzinger A. & Gärtner G. (2007): Phycobionts of some species of *Evernia* and *Ramalina*. – *Herzogia* 20: 53–60.
- Türk R. & Maier R. (2007): Die Flechtendiversität am Bisamberg bei Wien. – *Verhandlungen der Zoologisch-Botanischen Gesellschaft in Österreich* 144: 83–91.
- van den Boom P., van den Boom B. & Yazıcı K. (2007): *Catillaria fungoides* found in Cape Verde, The Netherlands and Turkey, with notes on accompanying species. – *Österreichische Zeitschrift für Pilzkunde* 16: 1–3.
- van den Boom P. P. G. & Brand A. M. (2007): *Llimonaea soredata*, a new lichen (*Ascomycota*), widely distributed in western Europe. – *Lichenologist* 39: 309–314.
- von Brackel W. (2007): Zur Flechtenflora der Serpentinittfelsen in Nordostbayern. – *Hoppea* 68: 253–268.
- Votintseva O. O. (2007): Interspecific interactions of wood-decomposing fungi with epiphytic lichens and mosses. – *Russian Journal of Ecology* 38: 285–288.
- Waser L. T., Kuechler M., Schwarz M., Ivits E., Stofer S. & Scheidegger C. (2007): Prediction of lichen diversity in an UNESCO biosphere reserve – correlation of high resolution remote sensing data with field samples. – *Environmental Modeling and Assessment* 12: 315–328.
- Wedin M., Jørgensen P. M. & Wiklund E. (2007): *Massalongiaceae* fam. nov., an overlooked monophyletic group among cyanobacterial lichens (*Peltigerales*, *Lecanoromycetes*, *Ascomycotina*). – *Lichenologist* 39: 61–67.
- Wei X. L. & Hur J. S. (2007): Foliose genera of *Physciaceae* (lichenized *Ascomycota*) of South Korea. – *Mycotaxon* 102: 127–137.
- Werth S., Gugerli F., Holderegger R., Wagner H. H., Csencsics D. & Scheidegger C. (2007): Landscape-level gene flow in *Lobaria pulmonaria*, an epiphytic lichen. – *Molecular Ecology* 16: 2807–2815.
- Westberg M. (2007): *Candelariella* (*Candelariaceae*) in western United States and northern Mexico: the species with biatorine apothecia. – *Bryologist* 110: 365–374.
- Westberg M. (2007): *Candelariella* (*Candelariaceae*) in western United States and northern Mexico: the polysporous species. – *Bryologist* 110: 375–390.
- Westberg M. (2007): *Candelariella* (*Candelariaceae*) in western United States and northern Mexico: the 8-spored, lecanorine species. – *Bryologist* 110: 391–419.
- Westberg M., Arup U. & Kärnefelt I. (2007): Phylogenetic studies in the *Candelariaceae* (lichenized *Ascomycota*) based on nuclear ITS DNA sequence data. – *Mycological Research* 111: 1277–1284.
- Wetmore C. M. (2007): Notes on *Caloplaca cerina* (*Teloschistaceae*) in North and Central America. – *Bryologist* 110: 798–807.
- Zhurbenko M. P. (2007): The lichenicolous fungi of Russia: geographical overview and a first checklist. – *Mycologia Balcanica* 4: 105–124.