

NOVÁ BRYOLOGICKÁ LITERATURA XVI.

New bryological literature, XVI

Jan Kučera

Jihočeská Univerzita, biologická fakulta, Branišovská 31, CZ–370 05 České Budějovice, e-mail:
kucera@bf.jcu.cz

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

- Aho K. & Weaver T. (2006): Measuring water relations and pH of cryptogam rock-surface environments. – *Bryologist* 109: 348–357.
- Anderson O. R. (2006): The density and diversity of gymnamoebae associated with terrestrial moss communities (*Bryophyta: Bryopsida*) in a northeastern US forest. – *Journal of Eukaryotic Microbiology* 53: 275–279.
- Arróniz-Crespo M., Núñez-Olivera E., Martínez-Abaigar J., Becker H., Scher J., Zapp J., Tomas R. & Beaucourt N. (2006): Physiological changes and UV protection in the aquatic liverwort *Jungermannia exsertifolia* subsp. *cordifolia* along an altitudinal gradient of UV-B radiation. – *Functional Plant Biology* 33: 1025–1036.
- Assani A. A., Petit F. & Leclercq L. (2006): The relation between geomorphological features and species richness in the low flow channel of the Warche, downstream from the Butgenbach dam (Ardennes, Belgium). – *Aquatic Botany* 85: 112–120.
- Ayres E., van der Wal R., Sommerkorn M. & Bardgett R. D. (2006): Direct uptake of soil nitrogen by mosses. – *Biology Letters* 2: 286–288.
- Banu-Fattah K. & Hadiuzzaman S. (2006): Acrocarpous mosses of Bangladesh. XI. Family: *Bartramiaceae* – 1. – *Bangladesh Journal of Botany* 35: 23–29.
- Bednarek-Ochyra H. (2006): A taxonomic monograph of the moss genus *Codriophorus* P. Beauv. (*Grimmiaceae*). – W. Szafer Institute of Botany, Kraków. [276 pp.]
- Benavides J. C., Duque M. A. J., Duivenvoorden J. F. & Cleef A. M. (2006): Species richness and distribution of understorey bryophytes in different forest types in Colombian Amazonia. – *Journal of Bryology* 28: 182–189.
- Berg T., Fjeld E. & Steinnes E. (2006): Atmospheric mercury in Norway: Contributions from different sources. – *Science of the Total Environment* 368: 3–9.
- Bi X., Feng X., Yang Y., Qiu G. & Lia G. (2006): Quantitative assessment of cadmium emission from zinc smelting and its influences on the surface soils and mosses in Hezhang County, Southwestern China. – *Atmospheric Environment* 40: 4228–4233.
- Bisang I., Ehrlén J. & Hedenäs L. (2006): Reproductive effort and costs of reproduction do not explain female-biased sex ratios in the moss *Pseudocalliergon trifarium* (*Amblystegiaceae*). – *American Journal of Botany* 93: 1313–1319.
- Blockeel T. L. & Stevenson C. R. (2006): *Hypnum cupressiforme* var. *heseleri* (Ando & Higuchi) M. O. Hill (*Bryopsida, Hypnales*) in Norfolk, new to the British Isles. – *Journal of Bryology* 28: 190–193.
- Blockeel T. L., Bednarek-Ochyra H., Ochyra R., Hájková P., Hájek M., Kučera J., Kürschner H., Müller F., Oliván G., Parolly G., Porley R. D., Rams S., Séneca A., Sérgio C., Townsend C. C., Tyshchenko O. & Vieira C. (2006): New national and regional bryophyte records, 13. – *Journal of Bryology* 28: 151–155.
- Boelen P., de Boer M. K., de Bakker N. V. J. & Rozema J. (2006): Outdoor studies on the effects of solar UV-B on bryophytes: Overview and methodology. – *Plant Ecology* 182: 137–152.
- Bortoluzzi E., Epron D., Siegenthaler A., Gilbert D. & Buttler A. (2006): Carbon balance of a European mountain bog at contrasting stages of regeneration. – *New Phytologist* 172: 708–718.
- Botting R. S. & Fredeen A. L. (2006): Net ecosystem CO₂ exchange for moss and lichen dominated forest floors of old-growth sub-boreal spruce forests in central British Columbia, Canada. – *Forest Ecology and Management* 235: 240–251.
- Bradbury S. M. (2006): Response of the post-fire bryophyte community to salvage logging in boreal mixedwood forests of northeastern Alberta, Canada. – *Forest Ecology and Management* 234: 313–322.
- Bragazza L. (2006): A decade of plant species changes on a mire in the Italian Alps: Vegetation-controlled or climate-driven mechanisms? – *Climatic Change* 77: 415–429.

- Brown R. C. & Lemmon B. E. (2006): Polar organizers and girdling bands of microtubules are associated with γ -tubulin and act in establishment of meiotic quadripolarity in the hepatic *Aneura pinguis* (*Bryophyta*). – *Protoplasma* 227: 77–85.
- Bruggeman-Nannenga M. A. (2006): Bryophyte flora of Uganda. 6. *Fissidentaceae* (part 2). – *Journal of Bryology* 28: 139–148.
- Bubier J. L., Moore T. R. & Crosby G. (2006): Fine-scale vegetation distribution in a cool temperate peatland. – *Canadian Journal of Botany – Revue Canadienne de Botanique* 84: 910–923.
- Buczkowska K. & Baczkiewicz A. (2006): *Aneura maxima* – a liverwort new to Poland. – *Cryptogamie Bryologie* 27: 453–458.
- Buryová B. & Hradílek Z. (2006): Clonal structure, habitat age, and conservation value of the moss *Philonotis marchica* in Kotouč quarry (Czech Republic). – *Cryptogamie Bryologie* 27: 375–382.
- Bykowszczenko N., Baranowska-Bosiacka I., Bosiacka B., Kaczmarek A. & Chlubek D. (2006): Determination of heavy metal concentration in mosses of Słowiński National Park using atomic absorption spectrometry and neutron activation analysis methods. – *Polish Journal of Environmental Studies* 15: 41–46.
- Campisi P., Gallego M. T. & Lo Re M. G. (2006): *Syntrichia echinata* (Schiffn.) Herrnst. & Ben-Sasson (*Pottiaceae, Bryopsida*) new to Italy. – *Cryptogamie Bryologie* 27: 383–386.
- Carballeira A., Ángel Fernández J., Aboal J. R., Real C. & Couto J. A. (2006): Moss: A powerful tool for dioxin monitoring. – *Atmospheric Environment* 40: 5776–5786.
- Cesa M., Bizzotto A., Ferraro C., Fumagalli F. & Nimis P. L. (2006): Assessment of intermittent trace element pollution by moss bags. – *Environmental Pollution* 144: 886–892.
- Cezón K. & Muñoz J. (2006): The rediscovery of *Tortella limbata* (*Pottiaceae*). – *Bryologist* 109: 401–403.
- Chang Y., Khiong C. W., Graham S. W. & Tan B. C. (2006): Molecular evidence for the systematic positions of two enigmatic mosses: *Pterogonidium pulchellum* (*Sematophyllaceae, Musci*) and *Piloeicum pseudorufescens* (*Myuriaceae, Musci*). – *Canadian Journal of Botany – Revue Canadienne de Botanique* 84: 501–507.
- Colacino C. & Sabovljević M. (2006): Bryophyte flora of Albania: A preliminary check-list. – *Cryptogamie Bryologie* 27: 471–498.
- Convey P. & Lewis Smith R. I. (2006): Geothermal bryophyte habitats in the South Sandwich Islands, maritime Antarctic. – *Journal of Vegetation Science* 17: 529–538.
- Cove D. J. & Quatrano R. S. (2006): Agravitropic mutants of the moss *Ceratodon purpureus* do not complement mutants having a reversed gravitropic response. – *Plant, Cell & Environment* 29: 1379–1387.
- Cove D., Bezanilla M., Harries P. & Quatrano R. (2006): Mosses as model systems for the study of metabolism and development. – *Annual Review of Plant Biology* 57: 497–520.
- Cronberg N., Natcheva R. & Hedlund K. (2006): Microarthropods mediate sperm transfer in mosses. – *Science* 313: 1255–1255.
- Culicov O. A. & Yurukova L. (2006): Comparison of element accumulation of different moss- and lichen-bags, exposed in the city of Sofia (Bulgaria). – *Journal of Atmospheric Chemistry* 55: 1–12.
- Daly D. C., Costa D. P., Melo A. W. F. (2006): The ‘salão’ vegetation of Southwestern Amazonia. – *Biodiversity and Conservation* 15: 2905–2923.
- Decker E. L., Frank W., Sarnighausen E. & Reski R. (2006): Moss systems biology en route: Phytohormones in *Physcomitrella* development. – *Plant Biology* 8: 397–405.
- Dengler J. & Lobel S. (2006): The basiphilous dry grasslands of shallow, skeletal soils (*Alyssio-Sedetalia*) on the island of Öland (Sweden), in the context of North and Central Europe. – *Phytocoenologia* 36: 343–391.
- Duckett J. G. & Ligrone R. (2006): *Cyathodium* Kunze (*Cyathodiaceae: Marchantiales*), a tropical liverwort genus and family new to Europe, in Southern Italy. – *Journal of Bryology* 28: 88–96.
- Duckett J. G., Carafa A. & Ligrone R. (2006): A highly differentiated glomeromycotan association with the mucilage-secreting, primitive antipodean liverwort *Treubia* (*Treibiaeae*): Clues to the origins of mycorrhizas. – *American Journal of Botany* 93: 797–813.
- Duckett J. G., Russell J. & Ligrone R. (2006): Basidiomycetous endophytes in jungermannialean (leafy) liverworts have novel cytology and species-specific host ranges: a cytological and experimental study. – *Canadian Journal of Botany – Revue Canadienne de Botanique* 84: 1075–1093.
- Dynesius M. & Zinko U. (2006): Species richness correlations among primary producers in boreal forests. – *Diversity and Distributions* 12: 703–713.
- Ederra A. (2006): Lectotypification of the names of three moss species described by Hedwig. – *Taxon* 55: 791–793.

- Estébanez B., Yamaguchi T. & Deguchi H. (2006): The development of an unusual haplolepidous peristome type: *Glyphomitrium humillimum*. – Journal of the Hattori Botanical Laboratory 100: 77–87.
- Feldberg K. & Heinrichs J. (2006): A taxonomic revision of *Herbertus* (*Jungermanniidae*: *Herbertaceae*) in the Neotropics based on nuclear and chloroplast DNA and morphology. – Botanical Journal of the Linnean Society 151: 309–332.
- Forrest L. L., Davis E. C., Long D. G., Crandall-Stotler B. J., Clark A. & Hollingsworth M. L. (2006): Unraveling the evolutionary history of the liverworts (*Marchantiophyta*): multiple taxa, genomes and analyses. – Bryologist 109: 303–334.
- Forsum Å., Dahlman L., Näsholm T. & Nordin A. (2006): Nitrogen utilization by *Hylocomium splendens* in a boreal forest fertilization experiment. – Functional Ecology 20: 421–426.
- Frahm J.-P. & Sabovljević M. (2006): Preliminary results of the taxonomic value of *Tortula densa* (Velen.) J.-P. Frahm inferred from the Internal Transcribed Spacer (ITS) of the nrDNA. – Cryptogamie Bryologie 27: 405–412.
- Frahm J.-P. & Stech M. (2006): The taxonomic status of intermediate forms of *Campylopus introflexus* (Hedw.) Brid. and *C. pilifer* Brid. (*Dicranaceae*, *Bryopsida*) newly discovered in Europe. – Cryptogamie Bryologie 27: 213–223.
- Frey W., Frahm J.-P., Fischer E. & Lobin W. (2006): The Liverworts, Mosses and Ferns of Europe. – Harley Books, Colchester. [512 pp.]
- Gerdol R. & Bragazza L. (2006): Effects of altitude on element accumulation in alpine moss. – Chemosphere 64: 810–816.
- Gerdol R., Bragazza L. & Brancaleoni L. (2006): Microbial nitrogen cycling interacts with exogenous nitrogen supply in affecting growth of *Sphagnum papillosum*. – Environmental and Experimental Botany 57: 1–8.
- Goodarzi F., Sanei H., Garrett R. G., Labonte M. & Duncan W. F. (2006): A review of the moss-monitoring survey around the Trail smelter, British Columbia. – Geochemistry – Exploration Environment Analysis 6, Part 2-3: 249–257.
- Goubet P., Thébaud G. & Pettel G. (2006): Ecological constraints on *Sphagnum* bog development: a conceptual model for conservation.. – Revue d'Ecologie – La Terre et la Vie 61: 101–116.
- Gradstein S. R., Wilson R., Ilkiu-Borges A. L. & Heinrichs J (2006): Phylogenetic relationships and neotenic evolution of *Metzgeriopsis* (*Lejeuneaceae*) based on chloroplast DNA sequences and morphology. – Botanical Journal of the Linnean Society 151: 293–308.
- Graham E. A., Hamilton M. P., Mishler B. D., Rundel P. W. & Hansen M. H. (2006): Use of a networked digital camera to estimate net CO₂ uptake of a desiccation-tolerant moss. – International Journal of Plant Sciences 167: 751–758.
- Gramatica P., Battaini F., Giani E., Papa E., Jones R. J. A. & Cenci Roberto M. (2006): Multivariate analysis of heavy metal concentrations in soils and mosses of two North-Italy regions. – Fresenius Environmental Bulletin 15: 731–737.
- Grytnes J. A., Heegaard E. & Ihlen P. G. (2006): Species richness of vascular plants, bryophytes, and lichens along an altitudinal gradient in western Norway. – Acta Oecologica – International Journal of Ecology 29: 241–246.
- Guerra J., Cano M. J. & Ros R. M. (eds.) (2006): Flora Brioítica Ibérica, Vol. III, *Pottiales: Pottiaceae, Encalyptales: Encalyptaceae*. – Universidad de Murcia & Sociedad Española de Briología, Murcia. [308 pp.]
- Hart S. A. & Chen H. Y. H. (2006): Understory vegetation dynamics of North American boreal forests. – Critical Reviews in Plant Sciences 25: 381–397.
- Heber U., Bilger W. & Shuvalov V. A. (2006): Thermal energy dissipation in reaction centres and in the antenna of photosystem II protects desiccated poikilohydric mosses against photo-oxidation. – Journal of Experimental Botany 57: 2993–3006.
- Hedenäs L. (2006): Additional insights into the phylogeny of *Calliergon*, *Loeskyppnum*, *Straminergon*, and *Warnstorffia* (*Bryophyta*: *Calliergonaceae*). – Journal of the Hattori Botanical Laboratory 100: 125–134.
- Heino J. & Virtanen R. (2006): Relationships between distribution and abundance vary with spatial scale and ecological group in stream bryophytes. – Freshwater Biology 51: 1879–1889.
- Hentschel J., Zündorf H.-J., Hellwig F. H., Schäfer-Verwimp A. & Heinrichs J. (2006): Taxonomic studies in *Chiloscyphus* Corda (*Jungermanniales*: *Lophocoleaceae*) based on nrITS sequences and morphology. – Plant Systematics and Evolution 262: 125–137.

- Hill M. O., Bell N., Bruggeman-Nannenga M. A., Brugués M., Cano M. J., Enroth J., Flatberg K. I., Frahm J.-P., Gallego M. T., Garilletti R., Guerra J., Hedenäs L., Holyoak D. T., Hyvönen J., Ignatov M. S., Lara F., Mazimpaka V., Muñoz J. & Söderström L. (2006): An annotated checklist of the mosses of Europe and Macaronesia. – *Journal of Bryology* 28: 198–267.
- Ho B.-C., Tan B. C. & Hernawati N. S. (2006): Checklist of mosses of Sumatra, Indonesia. – *Journal of the Hattori Botanical Laboratory* 100: 143–190.
- Hokkanen P. J. (2006): Environmental patterns and gradients in the vascular plants and bryophytes of eastern Fennoscandian herb-rich forests. – *Forest Ecology and Management* 229: 73–87.
- Hughes K. A., Scherer K., Svenøe T., Rettberg P., Horneck G. & Convey P. (2006): Tundra plants protect the soil surface from UV. – *Soil Biology & Biochemistry* 38: 1488–1490.
- Hylander K. & Dynesius M. (2006): Causes of the large variation in bryophyte species richness and composition among boreal streamside forests. – *Journal of Vegetation Science* 17: 333–346.
- Ignacio C. J., Marcos-Samaniego N. & Enroth J. (2006): Pseudoparaphyllia in the European and Macaronesian species of *Neckera* Hedw. (*Neckeraceae, Musci*). – *Cryptogamie Bryologie* 27: 333–342.
- Jansová I. (2006): Seasonal growth and dynamics of epixylic bryophytes in Bohemian old-growth forest. – *Journal of Bryology* 28: 123–132.
- Jiménez J. A. (2006): Taxonomic revision of the genus *Didymodon* Hedw. (*Pottiaceae, Bryophyta*) in Europe, North Africa and Southwest and Central Asia. – *Journal of the Hattori Botanical Laboratory* 100: 211–292.
- Keçeli T. & Çetin B. (2006): Contribution to the liverwort flora of Western Black Sea Region, northern Turkey, and a new record (*Cephaloziella dentata*, *Cephaloziellaceae*) to southwest Asia. – *Cryptogamie Bryologie* 27: 459–470.
- Kuntz K. L. & Larson D. W. (2006): Influences of microhabitat constraints and rock-climbing disturbance on cliff-face vegetation communities. – *Conservation Biology* 20: 821–832.
- Kuntz K. L. & Larson D. W. (2006): Microtopographic control of vascular plant, bryophyte and lichen communities on cliff faces. – *Plant Ecology* 185: 239–253.
- Kürschner H. (2006): A key to the pleurocarpous mosses (*Bryophytina p. p.*) of the Near and Middle East Towards a bryophyte flora of the Near and Middle East, 5. – *Nova Hedwigia* 83: 353–386.
- Kürschner H. & Frey W. (2006): *Tortula grandiretis* Broth. (*Pottiaceae*), an Irano-Turanian moss new to Iraq and further novelties from the Near and Middle East - Towards a bryophyte flora of the Near and Middle East, 4. – *Nova Hedwigia* 83: 143–149.
- Lecomte N., Simard M., Bergeron Y., Larouche A., Asnong H. & Richard P. J. W. (2005): Effects of fire severity and initial tree composition on understorey vegetation dynamics in a boreal landscape inferred from chronosequence and paleoecological data. – *Journal of Vegetation Science* 16: 665–674.
- León Y. (2006): Cell wall structure of selected epiphytic mosses from a montane forest in the Venezuelan Andes. – *Cryptogamie Bryologie* 27: 421–431.
- Lewis Smith R. I. & Ochyra R. (2006): High altitude Antarctic soil propagule bank yields an exotic moss and potential colonist. – *Journal of the Hattori Botanical Laboratory* 100: 325–331.
- Lim T. B., Xu R., Tan B. & Obbard J. P. (2006): Persistent organic pollutants in moss as bioindicators of atmospheric pollution in Singapore. – *Chemosphere* 64: 596–602.
- Löbel S., Snäll T. & Rydin H. (2006): Metapopulation processes in epiphytes inferred from patterns of regional distribution and local abundance in fragmented forest landscapes. – *Journal of Ecology* 94: 856–868.
- Locky D. A. & Bayley S. E. (2006): Plant diversity, composition, and rarity in the southern boreal peatlands of Manitoba, Canada. – *Canadian Journal of Botany – Revue Canadienne de Botanique* 84: 940–955.
- Löhmus P., Rosenvall R. & Löhmus A. (2006): Effectiveness of solitary retention trees for conserving epiphytes: differential short-term responses of bryophytes and lichens. – *Canadian Journal of Forest Research – Revue Canadienne de Recherche Forestière* 36: 1319–1330.
- Long D. G., Paton J. A., Squirrell J., Woodhead M. & Hollingsworth P. M. (2006): Morphological, ecological and genetic evidence for distinguishing *Anastrophyllum joergensenii* Schiffn. and *A. alpinum* Steph. (*Jungermanniopsida: Lophoziaeae*). – *Journal of Bryology* 28: 108–117.
- Luizi-Ponzo A. P. & Melhem T. S.-A. (2006): Spore morphology and ultrastructure of the tropical moss *Helicophyllum torquatum* (Hook.) Brid. (*Helicophyllaceae*) in relation to systematics and evolution. – *Cryptogamie Bryologie* 27: 413–420.
- Magill R. E. (2006): A new species of *Encalypta* (*Encalyptaceae*) from west Texas. – *Bryologist* 109: 398–400.

- Martínez I., Escudero A., Maestre F. T., de la Cruz A., Guerrero C. & Rubio A. (2006): Small-scale patterns of abundance of mosses and lichens forming biological soil crusts in two semi-arid gypsum environments. – *Australian Journal of Botany* 54: 339–348.
- Muir P. S., Rambo T. R., Kimmerer R. W. & Keon D. B. (2006): Influence of overstory removal on growth of epiphytic mosses and lichens in western Oregon. – *Ecological Applications* 16: 1207–1221.
- Muukkonen P., Mäkipää R., Laiho R., Minkkinen K., Vasander H. & Finér L. (2006): Relationship between biomass and percentage cover in understorey vegetation of boreal coniferous forests. – *Silva Fennica* 40: 231–245.
- Nifontova M. G. (2006): Long-term dynamics of technogenic radionuclide concentrations in moss-lichen cover. – *Russian Journal of Ecology* 37: 247–250.
- Niklas K. J. (2006): A phyletic perspective on the allometry of plant biomass-partitioning patterns and functionally equivalent organ-categories. – *New Phytologist* 171: 27–40.
- Ochyra R., Isoviita P., Żarnowiec J. & Bednarek-Ochyra H. (2006): Correct author citations for class and some subclass names of the *Bryophyta*. – *Annales Botanici Fennici* 43: 118–122.
- Ódor P., Heilmann-Clausen J., Christensen M., Aude E., van Dort K. W., Piltaver A., Siller I., Veerkamp M. T., Walleyn R., Standovár T., van Hees A. F. M., Kosec J., Matočec N., Kraigher H. & Grebenc T. (2006): Diversity of dead wood inhabiting fungi and bryophytes in semi-natural beech forests in Europe. – *Biological Conservation* 131: 58–71.
- Oldenhof H., Wolkers W. F., Bowman J. L., Tablin F. & Crowe J. H. (2006): Freezing and desiccation tolerance in the moss *Physcomitrella patens*: An in situ Fourier transform infrared spectroscopic study. – *Biochimica et Biophysica Acta – General Subjects* 1760: 1226–1234.
- Parker S. M. & Huryn A. D. (2006): Food web structure and function in two arctic streams with contrasting disturbance regimes. – *Freshwater Biology* 51: 1249–1263.
- Paton J. A. & Sheahan M. C. (2006): *Lophocolea brookwoodiana* (*Jungermanniales: Geocalycaceae*), a new species in Britain. – *Journal of Bryology* 28: 163–166.
- Peck J. E. (2006): Regrowth of understory epiphytic bryophytes 10 years after simulated commercial moss harvest. – *Canadian Journal of Forest Research – Revue Canadienne de Recherche Forestière* 36: 1749–1757.
- Peintinger M. & Bergamini A. (2006): Community structure and diversity of bryophytes and vascular plants in abandoned fen meadows. – *Plant Ecology* 185: 1–17.
- Pepi M., Reniero D., Baldi F. & Barbieri P. (2006): A comparison of *MER::LUX* whole cell biosensors and moss, a bioindicator, for estimating mercury pollution. – *Water, Air and Soil Pollution* 173: 163–175.
- Pereira I., Müller F. & Valderrama A. (2006): Diversity and distribution of bryophytes and lichens of El Colorado, Central Chile. – *Nova Hedwigia* 83: 117–127.
- Pitcairn C., Fowler D., Leith I., Sheppard L., Tang S., Sutton M. & Famulari D. (2006): Diagnostic indicators of elevated nitrogen deposition. – *Environmental Pollution* 144: 941–950.
- Pohjamo M., Laaka-Lindberg S., Ovaskainen O. & Korpelainen H. (2006): Dispersal potential of spores and asexual propagules in the epixylic hepatic *Anastrophyllum hellerianum*. – *Evolutionary Ecology* 20: 415–430.
- Pressel S. & Duckett J. G. (2006): The parasitic ascomycete *Mniaecia jungermanniae* induces the formation of giant perichaetia and apogamous sporophytes in leafy liverworts. – *Canadian Journal of Botany – Revue Canadienne de Botanique* 84: 384–392.
- Pressel S., Ligrone R. & Duckett J. G. (2006): Effects of de- and rehydration on food-conducting cells in the moss *Polytrichum formosum*: A cytological study. – *Annals of Botany* 98: 67–76.
- Preston C. D. & Finch R. A. (2006): *Bryum valparaisense* Thér. in the Isles of Scilly. – *Journal of Bryology* 28: 118–122.
- Prokushkin A. S., Knorre A. A., Kirdyanov A. V. & Schulze E.-D. (2006): Productivity of mosses and organic matter accumulation in the litter of *Sphagnum* larch forest in the permafrost zone. – *Russian Journal of Ecology* 37: 225–232.
- Pypker T. G., Unsworth M. H. & Bond B. J. (2006): The role of epiphytes in rainfall interception by forests in the Pacific Northwest. I. Laboratory measurements of water storage. – *Canadian Journal of Forest Research – Revue Canadienne de Recherche Forestière* 36: 809–818.
- Pypker T. G., Unsworth M. H. & Bond B. J. (2006): The role of epiphytes in rainfall interception by forests in the Pacific Northwest. II. Field measurements at the branch and canopy scale. – *Canadian Journal of Forest Research – Revue Canadienne de Recherche Forestière* 36: 819–832.

- Qiu Y.-L., Li L., Wang B., Chen Zh., Knoop V., Groth-Malonek M., Dombrowska O., Lee J., Kent L., Rest J., Estabrook G. F., Hendry T. A., Taylor D. W., Testa C. M., Ambros M., Crandall-Stotler B., Duff R. J., Stech M., Frey W., Quandt D. & Davis C. C. (2006): The deepest divergences in land plants inferred from phylogenomic evidence. – Proceedings of the National Academy of Sciences of the United States of America 103: 15511–15516.
- Rams S. & Ros R. M. (2006): The identity of *Oreoweisia mulahacenii* Höhn. – Journal of Bryology 28: 275–276.
- Rams S., Ros R. M. & Werner O. (2006): *Tortella alpicola* (Pottiaceae) from Spain, new to western Europe. – Bryologist 109: 404–407.
- Reimann C., Arnoldussen A., Boyd R., Finne T. E., Nordgulen Ø., Volden T. & Englmaier P. (2006): The influence of a city on element contents of a terrestrial moss (*Hylocomium splendens*). – Science of the Total Environment 369: 419–432.
- Rivera-Aguilar V., Montejano G., Rodríguez-Zaragoza S. & Durán-Díaz A. (2006): Distribution and composition of cyanobacteria, mosses and lichens of the biological soil crusts of the Tehuacán Valley, Puebla, Mexico. – Journal of Arid Environments 67: 208–225.
- Rowntree J. K. (2006): Development of novel methods for the initiation of in vitro bryophyte cultures for conservation. – Plant Cell Tissue and Organ Culture 87: 191–201.
- Rozema J., Boelen P., Solheim B., Zielke M., Buskens A., Doorenbosch M., Fijn R., Herder J., Callaghan T., Björn L. O., Jones D. G., Broekman R., Blokker P. & van de Poll W. (2006): Stratospheric ozone depletion: High arctic tundra plant growth on Svalbard is not affected by enhanced UV-B after 7 years of UV-B supplementation in the field. – Plant Ecology 182: 121–135.
- Ruiz E., Brugués M. & Casas C. (2006): *Hypnum uncinulatum* Jur. new to peninsular Spain. – Cryptogamie Bryologie 27: 399–402.
- Rydin H. & Jeglum J. (2006): The biology of peatlands. – Oxford University Press, Oxford & New York. [343 pp.]
- Sabovljević M., Frahm J.-P. & Schaumann F. (2006): The origin of the German populations of *Hilpertia velenovskyi* (Pottiaceae, Bryopsida): inferences from variation in the nuclear ITS region. – Cryptogamie Bryologie 27: 357–365.
- Samecka-Cymerman A., Kosior G. & Kempers A. J. (2006): Comparison of the moss *Pleurozium schreberi* with needles and bark of *Pinus sylvestris* as biomonitoring of pollution by industry in Stalowa Wola (southeast Poland). – Ecotoxicology and Environmental Safety 65: 108–117.
- Sardans J. & Penuelas J. (2006): Introduction of the factor of partitioning in the lithogenic enrichment factors of trace element bioaccumulation in plant tissues. – Environmental Monitoring and Assessment 115: 473–498.
- Sérgio C., Silva I. & Silva H. (2006): *Micromitrium tenerum* (Bruch & Schimp.) Crosby, new to the moss Flora of Portugal. – Cryptogamie Bryologie 27: 395–397.
- Serpe M. D., Orm J. M., Barkes T. & Rosentreter R. (2006): Germination and seed water status of four grasses on moss-dominated biological soil crusts from arid lands. – Plant Ecology 185: 163–178.
- Shaw A. J. (2006): A revision of the moss genus *Pohlia* Hedw. (Mniaceae) in Australia. – Systematic Botany 31: 247–257.
- Singh M., Govindarajan R., Nath V., Rawat A. K. S. & Mehrotra S. (2006): Antimicrobial, wound healing and antioxidant activity of *Plagiochasma appendiculatum* Lehm. et Lind. – Journal of Ethnopharmacology 107: 67–72.
- Smith J. L. (2006): A bryological assessment of the Flint Woods Preserve, Delaware. – Northeastern Naturalist 13: 117–130.
- Söderström L. & Séneca A. (2006): World distribution patterns in the *Lophoziaceae/Scapaniaceae* complex (*Hepaticae, Bryophyta*). – Journal of the Hattori Botanical Laboratory 100: 431–441.
- Solga A., Burkhardt J. & Frahm J.-P. (2006): A new approach to assess atmospheric nitrogen deposition by way of standardized exposition of mosses. – Environmental Monitoring and Assessment 116: 399–417.
- Sotiaux A., Sotiaux O. & Vanderpoorten A. (2006): Discovery of the rare liverwort *Haplomitrium hookeri* in Belgium: relictualism or long-distance dispersal? – Cryptogamie Bryologie 27: 367–373.
- Stebel A. (2006): Atlas rozmieszczenia wątrobowców chronionych Polski w województwie śląskim. – Centrum Dziedzictwa Przyrody Górnego Śląska, Materiały Opracowania 9, Katowice. [37 pp.]
- Stech M., Osman S., Sim-Sim M. & Frey W. (2006): Molecular systematics and biogeography of the liverwort genus *Tylimanthus* (Acrobolbaceae). Studies in austral temperate rain forest bryophytes 33. – Nova Hedwigia 83: 17–30.

- Stevens C. J., Dise N. B., Gowing D. J. G. & Mountford J. O. (2006): Loss of forb diversity in relation to nitrogen deposition in the UK: regional trends and potential controls. – *Global Change Biology* 12: 1823–1833.
- Stewart K. J. & Mallik A. U. (2006): Bryophyte responses to microclimatic edge effects across riparian buffers. – *Ecological Applications* 16: 1474–1486.
- Sugita M., Miyata Y., Maruyama K., Sugiura C., Arikawa T. & Higuchi M. (2006): Extensive RNA editing in transcripts from the psbB operon and rpoA gene of plastids from the enigmatic moss *Takakia lepidodoides*. – *Bioscience, Biotechnology and Biochemistry* 70: 2268–2274.
- Sundberg S., Hansson J. & Rydin H. (2006): Colonization of *Sphagnum* on land uplift islands in the Baltic Sea: time, area, distance and life history. – *Journal of Biogeography* 33: 1479–1491.
- Suzuki T., Iwatsuki Z. & Kiguchi H. (2006): The family *Seligeriaceae* (*Bryopsida*) in Japan. – *Journal of the Hattori Botanical Laboratory* 100: 469–493.
- Szövényi P., Hock Zs., Urmi E. & Schneller J. J. (2006): Contrasting phylogeographic patterns in *Sphagnum fimbriatum* and *Sphagnum squarrosum* (*Bryophyta*, *Sphagnopsida*) in Europe. – *New Phytologist* 172: 784–794.
- Talmor-Neiman M., Stav R., Frank W., Voss B. & Arazi T. (2006): Novel micro-RNAs and intermediates of micro-RNA biogenesis from moss. – *Plant Journal* 47: 25–37.
- Toet S., Cornelissen J. H. C., Aerts R., van Logtestijn R. S. P., de Beus M. & Stoevelaar R. (2006): Moss responses to elevated CO₂ and variation in hydrology in a temperate lowland peatland. – *Plant Ecology* 182: 27–40.
- Törn A., Rautio J., Norokorpi Y. & Tolvanen A. (2006): Revegetation after short-term trampling at subalpine heath vegetation. – *Annales Botanici Fennici* 43: 129–138.
- Touw A. (2006): *Bryologia javanica*: An outline of Dutch nineteenth century research on Asian mosses and guidelines for the typification of species described by Reinwardt, Molkenboer, and Dozy. – *Journal of the Hattori Botanical Laboratory* 100: 495–515.
- Tsubota H., Kuroda A., Masuzaki H., Nakahara M. & Deguchi H. (2006): Preliminary study on allelopathic activity of bryophytes under laboratory conditions using the sandwich method. – *Journal of the Hattori Botanical Laboratory* 100: 517–525.
- Ueno T. & Kanda H. (2006): Photosynthetic response of the arctic semi-aquatic moss *Calliergon giganteum* to water content. – *Aquatic Botany* 85: 241–243.
- Ushada M. & Murase H. (2006): Identification of a moss growth system using an artificial neural network model. – *Biosystems Engineering* 94: 179–189.
- Vanderpoorten A. & Long D. G. (2006): Budding speciation and neotropical origin of the Azorean endemic liverwort, *Leptoscyphus azoricus*. – *Molecular Phylogenetics and Evolution* 40: 73–83.
- Villarreal J. C. & Renzaglia K. S. (2006): Sporophyte structure in the neotropical hornwort *Phaeomegaceros fimbriatus*: Implications for phylogeny, taxonomy, and character evolution. – *International Journal of Plant Sciences* 167: 413–427.
- Vittoz P., Wyss T. & Gobat J.-M. (2006): Ecological conditions for *Saxifraga hirculus* in Central Europe: A better understanding for a good protection. – *Biological Conservation* 131: 594–608.
- von Konrat M., Braggins J., Asakawa Y. & Toyota M. (2006): Recognition of *Frullania congesta*: A case study to present a species concept and a synthesis of significant taxonomic characters for the large liverwort genus *Frullania* (*Frullaniaceae*). – *Journal of the Hattori Botanical Laboratory* 100: 553–576.
- von Schwartzenberg K. (2006): Moss biology and phytohormones – Cytokinins in *Physcomitrella*. – *Plant Biology* 8: 382–388.
- Wagner B. & Seppelt R. (2006): Deep-water occurrence of the moss *Bryum pseudotriquetrum* in Radok Lake, Amery Oasis, East Antarctica. – *Polar Biology* 29: 791–795.
- Wang B. & Qiu Y.-L. (2006): Phylogenetic distribution and evolution of mycorrhizas in land plants. – *Mycorrhiza* 16: 299–363.
- Wang D., Zhu R.-L. & Qu L. (2006): Antibacterial activity in extracts of *Cylindrocolea recurvifolia* (*Cephaloziellaceae*, *Marchantiophyta*) and *Pleurozia subinflata* (*Pleuroziaceae*, *Marchantiophyta*). – *Cryptogamie Bryologie* 27: 343–348.
- Wang Z. S., An S. Q., Liu H., Feng J., Zhang F. & Leng X. (2006): Effect of stand age and management regime on genetic diversity of *Thuidium cymbifolium* in western China. – *Biological Conservation* 129: 551–557.
- Warner B. G. & Asada T. (2006): Biological diversity of peatlands in Canada. – *Aquatic Sciences* 68: 240–253.

- Wasley J., Robinson S. A., Lovelock C. E. & Popp M. (2006): Climate change manipulations show Antarctic flora is more strongly affected by elevated nutrients than water. – *Global Change Biology* 12: 1800–1812.
- Wojtuń B. (2006): Peat mosses (*Sphagnaceae*) in mires of the Sudetes Mountains (SW Poland): a floristic and ecological study. – Agricultural University of Wrocław, Wrocław. [225 pp.]
- Wu Y.-Y., Zhao X.-Zh., Li P.-P., Wang B.-Li & Liu C.-Q. (2006): A study on the activities of carbonic anhydrase of two species of bryophytes, *Tortula sinensis* (Müll. Hal.) Broth. and *Barbula convoluta* Hedw. – *Cryptogamie Bryologie* 27: 349–355.
- Xiao J. B., Chen X. Q., Zhang Y. W., Jiang X. Y. & Xu M. (2006): Cytotoxicity of *Marchantia convoluta* leaf extracts to human liver and lung cancer cells. – *Brazilian Journal of Medical and Biological Research* 39: 731–738.
- Yamaguchi T., Windadri F. I., Haerida I., Simbolon H., Kunmura A., Miyawaki H. & Shimizu H. (2005): Effects of forest fires on bryophyte flora in East Kalimantan, Indonesia. – *Phyton – Annales Rei Botanicae* 45: 561–567.
- Zander R. H. (2006): The *Pottiaceae* s. str. as an evolutionary Lazarus taxon. – *Journal of the Hattori Botanical Laboratory* 100: 581–602.
- Zartman C. E., McDaniel S. F. & Shaw A. J. (2006): Experimental habitat fragmentation increases linkage disequilibrium but does not affect genetic diversity or population structure in the Amazonian liverwort *Radula flaccida*. – *Molecular Ecology* 15: 2305–2315.
- Zechmeister H. G. & Hohenwallner D. (2006): A comparison of biomonitoring methods for the estimation of atmospheric pollutants in an industrial town in Austria. – *Environmental Monitoring and Assessment* 117: 245–259.
- Zheng Z. H. & Chen J. K. (2006): *Marchantiophyta* and *Anthocerotophyta* in Guizhou Province, P. R. China. – *Journal of Bryology* 28: 170–176.
- Zhu R.-L., Wang D., Xu L., Shi R.-P., Wang J. & Zheng M. (2006): Antibacterial activity in extracts of some bryophytes from China and Mongolia. – *Journal of the Hattori Botanical Laboratory* 100: 603–615.

Bryologické publikace z České a Slovenské republiky [Bryological publications issued in the Czech Republic and Slovakia]

1. Články a knižní publikace [Papers and books]

- Bączkiewicz A., Klama H. & Buczkowska K. (2006): Genetic variation of *Ptilidium pulcherrimum* populations from managed forests in Poland. – In: Kočárek P., Plášek V. & Malachová K. (eds.), Environmental changes and biological assessment III, Scripta Facultatis Rerum Naturalium Universitatis Ostraviensis 163, p. 108–113, Ostravská Univerzita, Ostrava.
- Berka T. (2005): Mechorosty přírodní rezervace Zaječí skok [Bryophytes of the Nature reserve Zaječí skok]. – *Acta Rerum Naturalium* 1: 11–16.
- Buczkowska K. & Bączkiewicz A. (2006): Genetic, morphological and ecological differences of three cryptic species (A, B, C) of the *Aneura pinguis* complex from Poland. – In: Kočárek P., Plášek V. & Malachová K. (eds.), Environmental changes and biological assessment III, Scripta Facultatis Rerum Naturalium Universitatis Ostraviensis 163, p. 114–118, Ostravská Univerzita, Ostrava.
- Duda J. & Duda J. (2006): Mechorosty území mezi Příborem a Brušperkem (severní Morava). – *Časopis Slezského Zemského Muzea*, Ser. A, 55: 83–86.
- Gutzerová N. (2005): Lišeňníky a mechorosty. – In: Dudák V. (ed.), *Český les – Příroda, Historie, Život*, p. 129–132, Nakladatelství Baset, Praha.
- Hrvňák R., Oťahel'ová H. & Jarolímek I. (2006): Diversity of aquatic macrophytes in relation to environmental factors in the Slatina river (Slovakia). – *Biologia* 61: 413–419.
- Klama H. & Salachna A. (2006): Floristic-ecological atlas of liverworts – an attempt of data presentation for biological monitoring. – In: Kočárek P., Plášek V. & Malachová K. (eds.), Environmental changes and biological assessment III, Scripta Facultatis Rerum Naturalium Universitatis Ostraviensis 163, p. 119–129, Ostravská Univerzita, Ostrava.
- Kučera J. (2006): Mechrorosty. – In: Kolektiv autorů, Novohradské hory a Novohradské podhůří. *Příroda – historie – život*, p. 149–150, Nakl. Miloš Uhlíř – Baset, Praha.
- Kučera J. (ed.) (2006): Zajímavé bryofloristické nálezy VII. [Interesting bryofloristic records, VII]. – *Bryonora* 37: 32–35. [*Anastrophyllum michauxii*, *Metzgeria violacea*, *Barbula commutata*, *Calliergon giganteum*, *Campylopus subulatus*, *Conardia compacta*, *Dicranum elongatum*, *Grimmia anodon*, *Grimmia*

- crinita, Gyroweisia tenuis, Hamatocaulis vernicosus, Meesia triquetra, Orthotrichum patens, Orthotrichum urnigerum, Rhynchostegium megapolitanum, Zygodon rupestris, Zygodon viridissimus]*
- Kučera J. & Štechová T. (2006): Nová bryologická literatura XV. [New bryological literature, XV]. – Bryonora 37: 45–56.
- Motyka O. & Plášek V. (2006): Small witnesses of air quality improvement. – In: Kočárek P., Plášek V. & Malachová K. (eds.), Environmental changes and biological assessment III, Scripta Facultatis Rerum Naturalium Universitatis Ostraviensis 163, p. 155, Ostravská Univerzita, Ostrava.
- Mudrová R. (2006): Mechiorosty vybraných biotopů navrhované NPR Rolavská vrchoviště. – Hejkal J., Havelcová A., Michálek J. & Roškotová J. (eds.), Průzkum a ochrana rolavských rašelinišť, Sborník příspěvků k regionálnímu semináři, Kraslice 5.9. 2006, p. 17–22, Kraslice.
- Novotný I. & Košnar J. (eds.) (2006): Mechiorosty zaznamenané v průběhu 13. jarního setkání Bryologicko-lichenologické Sekce v Bílých Karpatech. – Bryonora 37: 23–32.
- Plášek V. (2006): Výskyt mechu *Buxbaumia viridis* v NPR Stužica (NP Poloniny). – Bulletin Slovenskej Botanickej Společnosti 28: 57–59.
- Stebel A. (2006): Changes in the epiphytic moss flora of the Beskydy Zachodnie Mountains (Carpathians, Poland). – In: Kočárek P., Plášek V. & Malachová K. (eds.), Environmental changes and biological assessment III, Scripta Facultatis Rerum Naturalium Universitatis Ostraviensis 163), p. 101–107, Ostravská Univerzita, Ostrava.
- Šumberová K., Lososová Z., Fabšičová M. & Horáková V. (2006): Variability of vegetation of exposed pond bottoms in relation to management and environmental factors. – Preslia 78: 235–252.
- Trzpil-Zwierzyk B. (2006): Human impact on the bryoflora of Siedlce town – selected research. – In: Kočárek P., Plášek V. & Malachová K. (eds.), Environmental changes and biological assessment III, Scripta Facultatis Rerum Naturalium Universitatis Ostraviensis 163, p. 130–135, Ostravská Univerzita, Ostrava.
- Váňa J. (2006): Speciální bryologie I. *Marchantiophyta, Anthocerotophyta*. – Karolinum, Praha. [Skriptum PřF UK Praha, 150 pp.]
- Váňa J. (2006): Speciální bryologie II/1. *Bryophyta* (1. část). – Karolinum, Praha. [Skriptum PřF UK Praha, 48 pp.]
- Wierzcholska S. & Plášek V. (2006): Phorophyte preferences of epiphytic mosses within *Orthotrichaceae* family in Góry Bialskie Mts. (SW Poland). – In: Kočárek P., Plášek V. & Malachová K. (eds.), Environmental changes and biological assessment III, Scripta Facultatis Rerum Naturalium Universitatis Ostraviensis 163, p. 146–154, Ostravská Univerzita, Ostrava.
- Žarnowiec J. & Wika S. (2006): The bryoflora of urban areas – a floristic-ecological case study of the Ostrava Zoological Garden (NE Czech Republic). – In: Kočárek P., Plášek V. & Malachová K. (eds.), Environmental changes and biological assessment III, Scripta Facultatis Rerum Naturalium Universitatis Ostraviensis 163, p. 136–145, Ostravská Univerzita, Ostrava.
- Zmrhalová M., Plášek V., Kučera J., Shaw B. & Váňa J. (2006): Bryophytes of the High Sudetes mountain range. – In: Kočárek P., Plášek V. & Malachová K. (eds.), Environmental changes and biological assessment III, Scripta Facultatis Rerum Naturalium Universitatis Ostraviensis 163, p. 157–158, Ostravská Univerzita, Ostrava.

2. Recenze [Reviews]

- Kučera J. (2006): [Schlüsslmayr G. (2005): Soziologische Moosflora des südöstlichen Oberösterreich. – Stapfia 84: i–xi, 1–695]. – Bryonora 37: 39–40.
- Kučera J. (2006): [Schumacker R. & Váňa J. (2005): Identification keys to the liverworts and hornworts of Europe and Macaronesia (distribution and status). 2nd ed. – Sorus, Poznań]. – Bryonora 37: 40–41.
- Kučera J. (2006): [Váňa J. (2006): Obecná bryologie. – Karolinum, Praha]. – Bryonora 37: 41–42.
- Váňa J. (2006): [Casas C., Brugués M. & Cros R. M. (2004). Flora dels briòfits dels països Catalans II. Hepàtiques i Antocerotes. – Institut d'Estudis Catalans, Barcelona]. – Bryonora 37: 42–43.
- Váňa J. (2006): [Rykovskij G. F. & Maslovskij O. M. (2004): Flora Belarusi. Mochoobraznyje. Tom 1. Andreeaeopsida – Bryopsida. – Technalohija, Minsk]. – Bryonora 37: 43–44.

3. Bryologické rukopisné práce [Bryological manuscripts]

- Bílá K. (2006): Mechiorosty a jejich význam na trvalých plochách v lužních lesích CHKO Litovelské Pomoraví. – Ms., 61 pp. + 15 p. append. + 1CD (Mgr. thesis, Univerzita Palackého Olomouc).
- Sova P. (2006): Population ecology of a leafy liverwort *Jungermannia caespiticia* Lindenb. in the Czech Republic. – Ms., 38 pp. [Mgr. thesis, University of South Bohemia, České Budějovice]