

Publikace KBO za rok 2009

- Addico, G.N.D., Hardege, J.D., Komárek, J., Degraft-Johnson, K.A.A.** 2009. Cyanobacterial diversity and biomass in relation to nutrient regime of four freshwater reservoirs sourced for the production of drinking water in Ghana. *Archiv für Hydrobiologie/ Algological Studies*, 130: 81-108.
- Bastl, M., Štechová, T., Prach, K.** 2009. Effect of disturbance on the vegetation of peat bogs with *Pinus rotundata* in the Třeboň Basin, Czech Republic. *Preslia*, 81: 105-117.
- Beneš, J.** 2009: Umweltarchäologie und linearbandkeramische Kultur in Böhmen. *Archäologische Arbeitsgemeinschaft Ostbayern / West und Südböhmen*. 18, 1-18.
- Beneš, J., Svitavská-Svobodová, H., Novák, J., Křováková, K., Šantrůček, J., Elhottová, D., Kováč, L., Křišťufek, V.** 2009: Reading the past from bat guano. Domica cave palaeoecological research. *Aragonit*, 14.2, 170-171.
- Bešta, T., Šafránková, J., Pouzar, M., Novák, J., Nováková, K.** 2009. Late Pleistocene–early Holocene transition recorded in the sediments of a former shallow lake in the Czech Republic. *Hydrobiologia*, 631: 107-120.
- Bomfleur, B., Krings, M., Kaštovský, J., Kerp, H.** 2009. An enigmatic non-marine thalloid organism from the Triassic of East Antarctica. *Review of Palaeobotany and Palynology*, 157: 317-325.
- Caisová, L., Gabka, M.** 2009. Charophytes (Characeae, Charophyta) in the Czech Republic: taxonomy, autecology and distribution. *Fottea*, 9: 1-43.
- Caisová, L., Komárek, J., Elster, J., Nedbalová, L.** 2009. Two freshwater filamentous, branched green algae, newly discovered in Antarctica. In *Structure and function of Antarctic terrestrial ecosystems. Book of abstracts and contributed papers*. Brno, Masaryk University, s. 14-22.
- Čejková, A., Kolář, T.** 2009. Extreme radial growth reaction of Norway Spruce along an altitudinal gradient in the Šumava Mountains. *Geochronometria*, 33: 41-47.
- de Bello, F., Buchmann, N., Casals, P., Lepš, J., Sebastia M.T.** 2009. Relating plant species and functional diversity to community $\delta^{13}C$ in NE Spain pastures. *Agriculture, Ecosystems and Environment*, 131: 303–307.
- de Bello, F., Thuiller, W., Lepš, J., Choler, P., Clément, J.C., Macek, P., Sebastia, M.T., Lavorel, S.** 2009. Partitioning of functional diversity reveals the scale and extent of trait convergence and divergence. *Journal of Vegetation Science*, 20: 475-486.
- Doležal, J., Matsuki, S., Hara, T.** 2009. Effects of dwarf-bamboo understory on tree seedling emergence and survival in a mixed-oak forest in northern Japan: a multi-site experimental study. *Community Ecology*, 10: 225-235.
- Doležal, J., Song, J.S., Altman, J., Janeček, Š., Černý, T., Šrůtek, M., Kolbek, J.** 2009. Tree growth and competition in a post-logging *Quercus mongolica* forest on Mt. Sobaek, South Korea. *Ecological Research*, 24: 281-290.
- Douda, J., Čejková, A., Douda, K., Kochánková, J.** 2009. Development of alder carr after the abandonment of wet grasslands during the last 70 years. *Annals of Forest Science*, 66: 712(p1-p13).
- Ekr, L., Trávníček, P., Jarolímová, V., Vít, P., Urfus, T.** 2009. Genome size and morphology of the *Dryopteris affinis* group in Central Europe. *Preslia*, 81: 261-280.
- Elster, J., Nedbalová, L., Komárek, J., Vodrážka, R.** 2009. Biogenic calcite structures in Green Lake, James Ross Island, Antarctica. In *Structure and function of Antarctic terrestrial ecosystems. Book of abstracts and contributed papers*. Brno, Masaryk University, s. 38-40.
- Fortunel, C., Garnier, E., Joffre, R., Kazakou, E., Queded, H., Grigulis, K., Lavorel, S., Ansquer, P., Castro, H., Cruz, P., Doležal, J., Eriksson, O., Freitas, H., Golodets, C., Jouany, C., Kigel, J., Kleyer, M., Lehsten, V., Lepš, J., Meier, T., Pakeman, R., Papadimitriou, M., Papanastasis, V.P., Quetier, F., Robson, M., Sternberg, M., Theau, J.P., Thebault, A., Zarovali, M.** 2009. Leaf traits capture the effects of land use changes and climate on litter decomposability of grasslands across Europe. *Ecology*, 90: 598-611.
- Fučíková, K., Kaštovský, J.** 2009. *Vincularia roraimae* (Zygnematophyceae, Desmidiaceae), gen. et sp. nov. from the top of Mt. Roraima, Venezuela. *Nova Hedwigia*, 88: 49-56.
- Galváneček D., Lepš, J.** 2009. How do management and restoration needs of mountain grasslands depend on moisture regime? Experimental study from north-western Slovakia (Western Carpathians). *Applied Vegetation Sciences*, 12: 273-282.
- González-Toril, E., Amils, R., Delmas, R.J., Petit, J.R., Komárek, J., Elster, J.** 2009. Bacterial diversity of autotrophic enriched cultures from remote, glacial Antarctic, Alpine and Andean aerosol, snow and soil samples. *Biogeosciences*, 6: 33-44.
- Hauer, T., Pažoutová, M.** 2009. Epilittické sinice vybraných lokalit v Krkonoších. *Opera Corcontica*, 46: 57–66.
- Hofhanzlová, E., Fér, T.** 2009. Genetic variation and reproduction strategy of *Gentiana pannonica* in different habitats. *Flora*, 204: 99-110.

- Chán, V., Paulič, R., Štech, M.** 2009. Rozšíření pelyňku metlatého (*Artemisia scoparia* Waldst. et Kit.) v jižní části Čech. *Sborník Jihočeského muzea v Českých Budějovicích – Přírodní vědy*, 49: 51-58.
- Chvojka, O., Šálková, T., Beneš, J., Kovačiková, L., Novák, J.** 2009. Březnice – první ploché pohřebiště mladší doby bronzové na Bechyňsku. *Archeologické výzkumy v jižních Čechách*, 22: 65-105.
- Kolář, F., Štech, M., Trávníček, P., Rauchová, J., Urfus, J., Vít, P., Kubešová, M., Suda, J.** 2009. Towards resolving the *Knautia arvensis* agg. (Dipsacaceae) puzzle: primary and secondary contact zones and ploidy segregation at landscape and microgeographic scales. *Annals of Botany*, 103: 963-974.
- Komárek, J., Kaštovský, J., Ventura, S., Turicchia, S., Šmarda, J.** 2009. The cyanobacterial genus *Phormidesmis*. *Archiv für Hydrobiologie/ Algological Studies*, 129: 41-59.
- Komárek, J., Komárek, O.** 2009. Specificity of cyanobacterial microflora in Antarctica. In *Structure and function of Antarctic terrestrial ecosystems. Book of abstracts and contributed papers*. Brno, Masaryk University, s. 23-28.
- Kopalová, K., Elster, J., Nedbalová, L., Van de Vijver, B.** 2009. Three new terrestrial diatom species from seepage areas on James Ross Island (Antarctic Peninsula Region). *Diatom Research*, 24: 113-122.
- Korelusová, J., Kaštovský, J., Komárek, J.** 2009. Heterogeneity of the cyanobacterial genus *Synechocystis* and description of a new genus *Geminocystis*. *Journal of Phycology*, 45: 928-937.
- Košnar, J., Kolář, F.** 2009. A taxonomic study of selected European taxa of the *Tortula muralis* (Pottiaceae, Musci) complex: variation in morphology and ploidy level. *Preslia*, 81: 399-421.
- Koutecká, E., Lepš, J.** 2009. Effect of light and moisture conditions and seed age on germination of three closely related *Myosotis* species. *Folia Geobotanica*, 44: 109-130.
- Koutecký, P.** 2009. Taxonomic and nomenclatural revision of *Centaurea subjacea* (Asteraceae-Cardueae) and similar taxa. *Phyton*, 49: 63-76.
- Koutecký, P., Popelářová, M., Lustyk, P., Dančák, M., Tkačiková, J., Hlisenikovsky, D.** 2009. Výsledky floristického kurzu České botanické společnosti ve Vsetině. *Zprávy ČBS 44, Příl.* 2009/1: 1-106.
- Královec, J., Pocová, L., Jonášová, M., Macek, P., Prach, K.** 2009. Spontaneous recovery of an intensively used grassland after cessation of fertilizing. *Applied Vegetation Science*, 12: 391-397.
- Kučera J. (ed.)** 2009. Mechorosty zaznamenané během 16. jarního setkání Bryologicko-lichenologické sekce ČBS ve Svatošských skalách na Karlovarsku. *Bryonora*, 43: 3-11.
- Kučera J. (ed.)** 2009. Zajímavé bryofloristické nálezy XIII 'XII'. *Bryonora*, 43: 11-13.
- Kučera J. (ed.)** 2009. Zajímavé bryofloristické nálezy XIV. *Bryonora*, 44: 34-39.
- Kučera J.** 2009. Bryoflora of the Žofínský Prales nature reserve (Novohradské hory Mts., South Bohemia). *Silva Gabreta*, 15: 97-120.
- Kučera J., Kubešová S., Hájek M., Plášek V.** 2009. Nová bryologická literatura XXI. *Bryonora*, 43: 25-35.
- Kučera J., Zmrhalová M., Shaw B., Košnar J., Plášek V., Váňa J.** 2009. Bryoflora of selected localities of the Hrubý Jeseník Mts summit regions. *Časopis Slezského Muzea*, (A) 58: 115-167.
- Kučera J., Zmrhalová M., Shaw B., Košnar J., Plášek V., Váňa J.** 2009. Bryoflora of selected localities of the Hrubý Jeseník Mts summit regions. *Časopis Slezského Muzea*, (A) 58: 115-167.
- Lanta, V., Doležal, J., Lantová, P., Kelíšek, J., Mudrák, O.** 2009. Effects of pasture management and fertilizer regimes on botanical changes in species-rich mountain calcareous grassland in Central Europe. *Grass & Forage Science*, 64: 443-453.
- Lanta, V., Lepš, J.** 2009. How does surrounding vegetation affect the course of succession: A five-year container experiment. *Journal of Vegetation Science*, 20: 686-694.
- Lantová, P., Lanta, V.** 2009. Food selection in *Microtus arvalis*: the role of plant functional traits. *Ecological Research*, 24: 831-838.
- Lepší, M., Vít, P., Lepší, P., Boublík, K., Kolář, F.** 2009. *Sorbus portae-bohemicae* and *Sorbus albensis*, two new endemic apomictic species recognized based on a revision of *Sorbus bohemica*. *Preslia*, 81: 63-89.
- Macek, P., Macková, J., de Bello, F.** 2009. Morphological and ecophysiological traits shaping altitudinal distribution of three *Polylepis* treeline species in the dry tropical Andes. *Acta Oecologica*, 35: 778-785.
- Macek, P., Rejmánková, E., Fuchs, R.** 2009. Biological activities as patchiness driving forces in wetlands of northern Belize. *Oikos*, 118: 1687-1694.
- Mach, J., Lanta, V., Bastl, M.** 2009. The effect of mining and vegetation scarification on the survival and establishment of *Pinus rotundata* Link. and *Pinus sylvestris* L. in contrasting peat bogs habitats. *Polish Journal of Ecology*, 57: 239-250.
- Marciais, B., Kavková, M., Desprez-Loustau, M.L.** 2009. Phenotypic variation in the phenology of ascospore production between European populations of oak powdery mildew. *Annals of Forest Science*, 66: 814(p1-p8).
- Mašková, Z., Doležal, J., Květ, J., Zemek, F.** 2009. Long-term functioning of a species-rich mountain meadow under different management regimes. *Agriculture, Ecosystems and Environment*, 132: 192-202.
- Nedbalová, L., Elster, J., Komárek, J., Nývlt, D.** 2009. Lake ecosystems of James Ross Island: short characteristics. In *Structure and function of Antarctic terrestrial ecosystems. Book of abstracts and contributed papers*. Brno, Masaryk University, s. 33-34.

- Novák J.** 2009. Antrakologická analýza profilu MK IV v Krumlovském lese. In P. Neruda, Z. Nerudová (eds.), *Moravský Krumlov IV. Interdisciplinární analýzy, interpretace, důsledky*. Anthropos, Brno, s. 43-48.
- Oren, H., Komárek, J., Hoffman, L.** 2009. Nomenclature of the Cyanophyta/ Cyanobacteria/ Cyanoprokaryotes – What has happened since IAC Luxembourg? *Archiv für Hydrobiologie/ Algological Studies*, 130: 17-26.
- Pakeman, R.J., Lepš, J., Kleyer, M., Lavorel, S., Garnier, E. & VISTA consortium** 2009. Relative climatic, edaphic and management controls of plant functional trait signatures. *Journal of Vegetation Science*, 20: 148-159.
- Prach, K., Štech, M., Říha, P.** 2009. Ekologie a rozšíření biomů na Zemi. Scientia, Praha. 151 s.
- Pšenička, M., Vancová, M., Koubek, P., Těšitel, J., Linhart, O.** 2009. Fine structure and morphology of sterlet (*Acipenser ruthenus* L. 1758) spermatozoa and acrosin localization. *Animal Reproduction Science*, 11: 3-16.
- Roubíčková, A., Mudrák, O., Frouz, J.** 2009. Effect of earthworm on growth of late succession plant species in postmining sites under laboratory and field conditions. *Biology & Fertility of Soils*, 45: 769-774.
- Řezanka, T., Nedbalová, L., Elster, J., Cajthaml, T., Sigler, K.** 2009. Very-long-chain iso and anteiso branched fatty acids in N-acylphosphatidylethanolamines from a natural cyanobacterial mat of *Calothrix* sp. *Phytochemistry*, 70: 655-663.
- Sosnová, M., Klimešová, J.** 2009. Life-history variation in the short-lived herb *Rorippa palustris*: The role of carbon storage. *Acta Oecologica*, 35: 691-697.
- Szabo, R., Prach, K.** 2009. Old-field succession related to soil nitrogen and moisture, and the importance of plant species traits. *Community Ecology*, 10: 65-73.
- Štajerová, K., Šmilauerová, M., Šmilauer, P.** 2009. Arbuscular mycorrhizal symbiosis of herbaceous invasive neophytes. *Preslia* 81: 341-355.
- Štechová, T., Štech, M.** 2009. Současné lokality *Hamatocaulis vernicosus* (Mitt.) Hedenäs na Českomoravské vrchovině. *Acta rerum naturalium*, 6: 13-24.
- Těšitel, J., Malinová, T., Štech, M., Herbštová, M.** 2009. Variation in the *Melampyrum sylvaticum* group in the Carpathian and Hercynian region: two lineages with different evolutionary histories. *Preslia*, 81: 1-22.
- Turicchia, S., Ventura, S., Komárková, J., Komárek, J.** 2009. Taxonomic evaluation of cyanobacterial microflora from alkaline marshes of Northern Belize. 2. Diversity of oscillatoriacean genera. *Nova Hedwigia*, 89: 165-200.
- Vondrák, J., Šoun, J., Arup, U., Aproot, A., Redchenko, O.** 2009. *Caloplaca ulcerosa*, a maritime species in Europe with remarkable occurrence in the Czech Republic. *Bryonora*, 44: 1-7.
- Vondrák, J., Šoun, J., Lokos, L., Khodosovtsev, A.** 2009. Noteworthy lichen-forming and lichenicolous fungi from the Bukk Mts, Hungary. *Acta Botanica Hungarica*, 51: 217-230.
- Vondrák, J., Šoun, J., Redchenko, O., Lokos, L., Khodosovtsev, A.** 2009. Populations of two *Caloplaca* species with peculiar ecology observed in the Bukk Mts, Hungary. *Bryonora*, 44: 8-12.
- Vydrová A., Grulich, V., Ekrt, L., Ekrťová, E.** 2009. Řídká blana u Zahájí na Českobudějovicku – významná lokalita vodní a mokřadní flóry a vegetace. *Muzeum a současnost, ser. natur.*, 24: 27-54.
- Wacklin, P., Hoffmann, L., Komárek, J.** 2009. Nomenclatural validation of the genetically revised cyanobacterial genus *Dolichospermum* (RALFS ex BORNET et FLAHAULT) comb. nova. *Fottea*, 9: 59-64.
- Zapomělová, E., Jezberová, J., Hrouzek, P., Hisem, D., Řeháková, K., Komárková, J.** 2009. Polyphasic characterization of three strains of *Anabaena reniformis* and *Aphanizomenon aphanizomenoides* (cyanobacteria) and their re-classification to *Sphaerospermum* gen. nov. (incl. *Anabaena kisseleviana*). *Journal of Phycology*, 45: 1363-1373.
- Zrzavý, J., Storch, D., Mihulka, S., Burda, H., Begall, S.** 2009. *Evolution: Ein Lese-Lehrbuch*. Heidelberg, 493 s.