

# Publikace zaměstnanců a studentů PřF JU v roce 2011

Pracovníci a studenti PřF zaměstnaní či studující na PřF v roce 2011 jsou uvedeni tučně.

## 1. ČLÁNKY VE VĚDECKÝCH ČASOPISECH S IF (CELKEM 245 PRACÍ)

ALFONZO J., **LUKEŠ J.**, 2011. Assembling Fe/S-clusters and modifying tRNAs: ancient co-factors meet ancient adaptors. *Trends in Parasitology* 27: 234-237.

ALLEN A., DUPONT C., **OBORNÍK M.**, **HORÁK A.**, NUNES-NESE A., MCCROW M., ZHENG H., JOHNSON J., HU H., FERNIE A., BOWLER C., 2011. Evolution and metabolic significance of the urea cycle in photosynthetic diatoms. *Nature* 473: 203-207.

AMMERMAN M.L., **HASHIMI M.**, **NOVOTNÁ L.**, CICOVA Z., MCEVOY S.M., **LUKEŠ J.**, READ L.K., 2011. MRB3010 is a core component of the MRB1 complex that facilitates an early step of the kinetoplastid RNA editing process. *RNA-A Publication of the RNA Society* 17: 865-877.

ARELLANO J.B., LI H., GONZALEZ-PEREZ S., GUTIERREZ J., MELO T.B., **VÁCHA F.**, NAQVI K.R., 2011. Trolox, a water soluble analogue of alpha-tocopherol, photoprotects the D1 protein of photosystem II reaction centre in vitro. Is this physiologically relevant? *Biochemistry* 50: 8291-8301.

**ASH A.**, **SCHOLZ T.**, OROS M., KAR P.K., 2011. Tapeworms (Cestoda: Caryophyllidea), parasites of *Clarias batrachus* (Pisces: Siluriformes) in the Indomalayan region. *Journal of Parasitology* 97: 435-459.

**ASH A.**, **SCHOLZ T.**, OROS M., LEVRON C., KAR P.K., 2011. Cestodes (Caryophyllidea) of the stinging catfish *Heteropneustes fossilis* (Siluriforme: Heteropneustidae) from Asia. *Journal of Parasitology* 97: 899-907.

**BARTOŠ M.**, JANEČEK Š., KLIMEŠOVÁ J., 2011. Effect of mowing and fertilization on biomass and carbohydrate reserves of *Molinia caerulea* at two organizational levels. *Acta Oecologica* 37: 299-306.

**BARTOŠOVÁ P.**, **FIALA I.**, 2011. Molecular evidence for the existence of cryptic species assemblages of several myxosporeans (Myxozoa). *Parasitology Research* 108: 573-583.

**BARTOŠOVÁ P.**, FREEMAN M., YOKOYAMA H., CAFFARA M., **FIALA I.**, 2011. Phylogenetic position of *Sphaerospora testicularis* and *Latyspora scomberomori* n. gen. n. sp. (Myxozoa) within the marine urinary clade. *Parasitology* 138: 381-393.

BAZSALOVICSOVÁ E., KRAĀOVÁ-HROMADOVÁ I., **ŠTEFKA J.**, **SCHOLZ T.**, HANZELOVÁ V., VÁVROVÁ S., SZEMES T., KIRK R., 2011. Population study of *Atractolytocestus huronensis* (Cestoda: Caryophyllidea), an invasive parasite of common carp

introduced to Europe: mitochondrial *cox1* haplotypes and intragenomic ribosomal ITS2 variants. *Parasitology Research* 109: 125-131.

BERÁNKOVÁ P., MÁCHOVÁ J., KOLÁŘOVÁ J., RANDÁK T., **POLÁKOVÁ S.**, 2011. Vliv způsobu extrakce říčních sedimentů na výsledky vybraných ekotoxikologických testů. *Chemické listy* 105: 476-481.

BEREC M., **BAJGAR A.**, 2011. Choosy outsiders? Satellite males associate with sexy hosts in the European tree frog *Hyla arborea*. *Acta zoologica Academiae Scientiarum Hungaricae* 57: 247-254.

BERNATÍK O., GANJI R.S., DIJKSTERHUIS J.P., **KONÍK P.**, ČERVENKA I., POLONIO I., KREJČÍ P., SCHULTE G., BRYJA V., 2011. Sequential Activation and Inactivation of Dishevelled in the Wnt/beta-Catenin Pathway by Casein Kinases. *Journal of Biological Chemistry* 286: 10396-10410.

BÍMOVÁ B., MACHOLÁN M., BAIRD S., MUNCLINGER P., **DUFKOVÁ P.**, LAUKAITIS C., KARN R., LUZYNSKI K., TUCKER P., PIÁLEK J., 2011. Reinforcement selection acting on the European house mouse hybrid zone. *Molecular Ecology* 20: 2403-2424.

BOCK C., **PAŽOUTOVÁ M.**, KRIENITZ L., 2011. Phylogenetic position of *Coronastrum ellipsoideum* and description of *Parachlorella hussii* sp. nov. *Biologia* 66: 585-594.

BOULD J., BASE T., LONDESBOROUGH M.G.S., ORO L.A., MACIAS R., KENNEDY J.D., KUBAT P., **FUCIMAN M.**, **POLÍVKA T.**, LANG K., 2011. Reversible capture of small molecules on bimetalloborane clusters: synthesis, structural characterization, and photophysical aspects. *Inorganic Chemistry* 50: 7511-7523.

**BRUCE A.**, 2011. What is the role of maternally provided *Cdx2* mRNA in early mouse embryogenesis? *Reproductive BioMedicine Online* 22: 512-515.

**BRUCE A.**, 2011. Response: Role of mouse maternal *Cdx2*: what's the debate all about? *Reproductive BioMedicine Online* 22: 519-520.

**CAISOVÁ L.**, MARIN B., SAUSEN N., PROSCHOLD T., MELKONIAN M., 2011. Polyphyly of *Chaetophora* and *Stigeoclonium* within the Chaetophorales (Chlorophyceae), revealed by sequence comparisons of nuclear-encoded SSU rRNA genes. *Journal of Phycology* 47: 164-177.

ČERNOTÍKOVÁ E., HORÁK A., MORAVEC F., 2011. Phylogenetic relationships of some spirurine nematodes (Nematoda: Chromadorea: Rhabditida: Spirurina) parasitic in fishes inferred from SSU rRNA gene sequences. *Folia Parasitologica* 58: 135-148.

ČERVINKA J., ŠÁLEK M., **PAVLUVČÍK P.**, KREISINGER J., 2011. The fine-scale utilization of forest edges by mammalian mesopredators related to patch size and conservation issues in Central European farmland. *Biodiversity and Conservation* 20: 3459-3475.

ČÍŽKOVÁ B., ŠUMBERA R., FRYNTA D., 2011. A new member or an intruder: how do Sinai spiny mouse (*Acomys dimidiatus*) families respond to a male newcomer? *Behaviour* 148: 889-908.

**ČUHEL J., ŠIMEK M.**, 2011. Effect of pH on the denitrifying enzyme activity in pasture soils in relation to the intrinsic differences in denitrifier communities. *Folia Microbiologica* 56: 230-235.

**ČUHEL J., ŠIMEK M.**, 2011. Proximal and distal control by pH of denitrification rate in a pasture soil. *Agriculture, Ecosystems & Environment* 141: 230-233.

**DAMMANN P., ŠUMBERA R., MASSMANN C., SCHERAG A., BURDA H.**, 2011. Extended longevity of reproductives appears to be common in *Fukomys* mole-rats (Rodentia, Bathyergidae). *PLoS One* 6: e18757.

**DAMMER J., WEYDA F., BENEŠ J., SOPKO V., JAKŮBEK J., VONDRÁČEK V.**, 2011. Microradiography of biological samples with Timepix. *Journal of Instrumentation* 6: 1-6.

**DAMMER J., WEYDA F., JAKŮBEK J., SKRABAL P., SOPKO V., VAVŘÍK D.**, 2011. The scope of detector Medipix2 in micro-radiography of biological samples. *Nuclear Instruments & Methods in Physics Research Section A: Accelerators Spectrometers Detectors and Associated Equipment* 633: 175-176.

**DAMMER J., WEYDA F., SOPKO V., JAKŮBEK J.**, 2011. The use of contrast agent for imaging biological samples. *Journal of Instrumentation* 6: 1-6.

**DANĚČEK J., JOHN O., STARÁ J.**, 2011. Morrey space regularity for weak solutions of Stokes systems with VMO coefficients. *Annali di Matematica Pura ed Applicata (print)* 190: 681-701.

**DANĚČEK J., VISZUS E.**, 2011. Interior  $C(0,\gamma)$ -regularity for vector-valued minimizers of quasilinear functionals. *Nonlinear Analysis: Theory, Methods & Application* 74: 5274-5285.

**DE BELLO F., DOLEŽAL J., RICOTTA C., KLIMEŠOVÁ J.**, 2011. Plant clonal traits, coexistence and turnover in East Ladakh, Trans-Himalaya. *Preslia* 83: 315-327.

**DE BELLO F., LAVOREL S., ALBERT CH., THUILLER W., GRIGULIS K., DOLEŽAL J., JANEČEK Š., LEPSŠ J.**, 2011. Quantifying the relevance of intraspecific trait variability for functional diversity. *Methods in Ecology and Evolution* 2: 163-174.

**DE CHAMBRIER A., SCHOLZ T., ASH A., KAR P.K.**, 2011. *Ritacestus* gen. n. (Cestoda: Proteocephalidea) and redescription of *R. ritaii* comb. n., a parasite of *Rita rita* (Siluriformes) in India. *Folia Parasitologica* 58: 279-288.

**DINAMARCA J., SHLYK-KERNER O., KAFTAN D., GOLDBERG E., DULEBO A., GIDEKEL M., GUTIERREZ A., SCHERZ A.**, 2011. Double mutation in photosystem II reaction centers and elevated CO<sub>2</sub> grant thermotolerance to mesophilic cyanobacterium. *PLoS One* 6: e28389.

**DITRICH O., CHRDLA A., SAK B., CHMELÍK V., KUBALE J., DYKOVÁ I., KVÁČ M.**, 2011. *Encephalitozoon cuniculi* genotype I as a causative agent of brain abscess in an immunocompetent patient. *Journal of Clinical Microbiology* 49: 2769-2771.

**DITRICH T., PAPÁČEK M., HEINO M., 2011.** The latitudinal uniformity of the unique life history of *Velia caprai* (Heteroptera: Veliidae) and notes to the pre-overwintering period of selected water striders (Heteroptera: Gerridae). *Entomologica Fennica* 22: 106-112.

**DITRICH T., KOŠTÁL V., 2011.** Comparative analysis of overwintering physiology in nine species of semi-aquatic bugs (Heteroptera: Gerromorpha). *Physiological Entomology* 36: 261-270.

**DOLEŽAL J., MAŠKOVÁ Z., LEPŠ J., STEINBACHOVÁ D., DE BELLO F., KLIMEŠOVÁ J., TACKENBERG O., ZEMEK F., KVĚT J., 2011.** Positive long-term effect of mulching on species and functional trait diversity in a nutrient-poor mountain meadow in Central Europe. *Agriculture, Ecosystems & Environment* 145: 10-28.

**DOLNÝ A., BÁRTA D., LHOTA S., RUSDIANTO, DROZD P., 2011.** Dragonflies (Odonata) in the Bornean rain forest as indicators of changes in biodiversity resulting from forest modification and destruction. *Tropical Zoology* 2011: 63-86.

**DOOLITTLE F., LUKEŠ J., ARCHIBALD J.M., KEELING P.J., GRAY M.W., 2011.** Comment on "Does constructive neutral evolution play an important role in the origin of cellular complexity?". *BioEssays* 33: 427-429.

**DRAG L., HAUCK D., POKLUDA P., ZIMMERMANN K., ČÍŽEK L., 2011.** Demography and dispersal ability of a threatened saproxylic beetle: A mark-recapture study of the *Rosalia longicorn* (*Rosalia alpina*). *PLoS One* 6: e21345.

**DUFKOVÁ P., MACHOLÁN M., PIÁLEK J., 2011.** Inference of selection and stochastic effects in the house mouse hybrid zone. *Evolution* 65: 993-1010.

**DUPEJOVÁ J., ŠTĚRBA J., VANCOVÁ M., GRUBHOFFER L., 2011.** Hemelipoglycoprotein from the ornate sheep tick, *Dermacentor marginatus*: structural and functional characterization. *Parasites & Vectors* 4: 4.

**DUŠEK A., BARTOŠ L., SEDLÁČEK F., 2011.** Mixed sex allocation strategies in a polytocous mammal, the house mouse (*Mus musculus*). *Behavioral Ecology and Sociobiology* 65: 2209-2217.

**DVORSKÝ M., DOLEŽAL J., DE BELLO F., KLIMEŠOVÁ J., KLIMEŠ L., 2011.** Vegetation types of East Ladakh: species and growth form composition along main environmental gradients. *Applied Vegetation Science* 14: 132-147.

**DYKOVÁ I., KOSTKA M., PECKOVÁ H., 2011.** Three new species of the amoebozoan genus *Vexillifera* Schaeffer, 1926. *Acta Protozoologica* 50: 55-63.

**DYKOVÁ I., LORENZO-MORALES J., KOSTKA M., VALLADARES B., PECKOVÁ H., 2011.** Neoparamoeba branchiphila infections in moribund sea urchins *Diadema* aff. *antillarum* in Tenerife, Canary Islands, Spain. *Diseases of Aquatic Organisms* 95: 225-231.

**DYKOVÁ I., TYML T., KOSTKA M., 2011.** Xenoma-like formations induced by *Soricimyxum fegati* (Myxosporea) in three species of shrews (Soricomorpha: Soricidae), including records of new hosts. *Folia Parasitologica* 58: 249-256.

**EDWARDS K., BASTLOVÁ D., EDWARDS-JONÁŠOVÁ M., KVĚT J.,** 2011. A comparison of univariate and multivariate methods for analyzing clinal variation in an invasive species. *Hydrobiologia* 674: 119-131.

**EISNER J., KUČERA M., RECKE L.,** 2011. Smooth bifurcation branches of solutions for a Signorini problem. *Nonlinear Analysis: Theory, Methods & Application* 74: 1853-1877.

**EISNER J., VÄTH M.,** 2011. Location of bifurcation points for a reaction-diffusion system with Neumann-Signorini conditions. *Advanced nonlinear studies* 11: 809-836.

**ENDO K., KARIM M.R., TANIGUCHI H., KREJČÍ A., KINAMERI E., SIEBERT M., ITO K., BRAY S.J., MOORE A.W.,** 2011 Chromatin modification of Notch targets in olfactory receptor neuron diversification. *Nature Neuroscience* 15: 224-233.

**FENCKOVÁ M., HOBIZALOVA R., FRIC Z., DOLEŽAL T.,** 2011. Functional characterization of ecto-5'-nucleotidases and apyrases in *Drosophila melanogaster*. *Insect Biochemistry and Molecular Biology* 41: 956-967.

**FERRERA I., GASOL J., SEBASTIAN M., HOJEROVÁ E., KOBLÍŽEK M.,** 2011. Comparison of growth rates of aerobic anoxygenic phototrophic bacteria and other bacterioplankton groups in coastal Mediterranean waters. *Applied and Environmental Microbiology* 77: 7451-7458.

**FIBICH P., LEPŠ J.,** 2011. Do biodiversity indices behave as expected from traits of constituent species in simulated scenarios? *Ecological Modelling* 222: 2049-2058.

**FIEDLER J., PŘIBÁŇ V., ŠKODA O., SCHENK I., SCHENKOVÁ V., POLÁKOVÁ S.,** 2011. Cognitive outcome after EC-IC bypass surgery in hemodynamic cerebral ischemia. *Acta Neurochirurgica* 153: 1303-1312.

**FLAJŠHANS M., PŠENIČKA M., RODINA M., TĚŠITEL J.,** 2011. Image cytometric measurements of diploid, triploid and tetraploid fish erythrocytes in blood smears reflect the true dimensions of live cells. *Cell Biology International* 35: 67-71.

**FLEGONTOV P., GRAY M.W., BURGER G., LUKEŠ J.,** 2011. Gene fragmentation: a key to mitochondrial genome evolution in Euglenozoa? *Current Genetics* 57: 225-232.

**FRANTA Z., SOJKA D., FRANTOVÁ H., DVOŘÁK J., HORN M., SRBA J., TALAČKO P., MAREŠ M., SCHNEIDER E., CRAIK C., MCKERROW J., CAFFREY C., KOPÁČEK P.,** 2011. IrCL1-The haemoglobinolytic cathepsin L of the hard tick, *Ixodes ricinus*. *International Journal for Parasitology* 41: 1253-1262.

**FROUZ J., HRČKOVÁ K., LANA J., KRIŠTŮFEK V., MUDRÁK O., LUKEŠOVÁ A., MIHALJEVIČ M.,** 2011. Can laboratory toxicity tests explain the pattern of field communities of algae, plants, and invertebrates along a toxicity gradient of post-mining sites? *Applied Soil Ecology* 51: 114-121.

**FRYNTA D., FRAŇKOVÁ M., ČÍŽKOVÁ B., SKARLANDTOVÁ H., GALEŠTOKOVÁ K., PRŮŠOVÁ K., ŠMILAUER P., ŠUMBERA R.,** 2011. Social and life history correlates of litter size in captive colonies of precocial spiny mice (*Acomys*). *Acta Theriologica* 56: 289-295.

FRYNTA D., MAREŠOVÁ J., ŘEHÁKOVÁ-PETRŮ M., ŠKLÍBA J., ŠUMBERA R., KRÁSA A., 2011. Cross-cultural agreement in perception of animal beauty: Boid snakes viewed by people from five continents. *Human Ecology* 39: 829-834.

FURUMAKI S., VÁCHA F., HABUCHI S., TSUKATANI Y., BRYANT D.A., VÁCHA M., 2011. Absorption linear dichroism measured directly on a single light-harvesting system: The role of disorder in chlorosomes of green photosynthetic bacteria. *Journal of the American Chemical Society* 133: 6703-6710.

GARDIAN Z., TICHÝ J., VÁCHA F., 2011. Structure of PSI, PSII and antennae complexes from yellow-green alga *Xanthonema debile*. *Photosynthesis Research* 108: 25-32.

GENGELICZKI Z., CALLAHAN M.P., KABELÁČ M., RIJS A.M., DE VRIES M.S., 2011. Structure of 2,4-diaminopyrimidine-theobromine alternate base pairs. *Journal of Physical Chemistry A* 115: 11423-11427.

GRANT V., KONEČNÁ M., SONNWEBER R., IRWIN R., WALLNER B., 2011. Macaque mothers' preconception testosterone levels relate to dominance and to sex of offspring. *Animal Behaviour* 82: 893-899.

GROVES C., ROBOVSKÝ J., 2011. African rhinos and elephants: biodiversity and its preservation. *Pachyderm* 50: 69-71.

HÁJEK T., BALLANCE S., LIMPENS J., ZIJLSTRA M., VERHOEVEN J., 2011. Cell-wall polysaccharides play an important role in decay resistance of *Sphagnum* and actively depressed decomposition in vitro. *Biogeochemistry* 103: 45-57.

HISEM D., HROUZEK P., TOMEK P., TOMŠÍČKOVÁ J., ZAPOMĚLOVÁ E., SKÁCELOVÁ K., LUKEŠOVÁ A., KOPECKÝ J., 2011. Cyanobacterial cytotoxicity versus toxicity to brine shrimp *Artemia salina*. *Toxicon* 57: 76-83.

HLAVOVÁ M., ČÍŽKOVÁ M., VÍTOVÁ M., BIŠOVÁ K., ZACHLEDER V., 2011. DNA damage during G2 phase does not affect cell cycle progression of the green alga *Scenedesmus quadricauda*. *PLoS One* 6: e19626.

HNĚVSOVÁ V., WEYDA F., KODRÍK D., 2011. Contribution to the biochemical characterization of the silk and structure characterization of the cocoons of the horse chestnut leaf miner *Cameraria ohridella* (Lepidoptera: Gracillariidae). *European Journal of Entomology* 108: 711-715.

HOJDOVÁ M., NAVRÁTIL T., ROHOVEC J., ŽÁK K., VANĚK A., CHRASTNÝ V., BAČE R., SVOBODA M., 2011. Changes in mercury deposition in a mining and smelting region as recorded in tree rings. *Water Air and Soil Pollution* 216: 73-82.

HOJEROVÁ E., MASIN M., BRUNET C., FERRERA I., GASOL J.M., KOBLÍŽEK M., 2011. Distribution and growth of aerobic anoxygenic phototrophs in the Mediterranean sea. *Environmental Microbiology* 13: 2717-2725.

HOLÁ E., KUČERA J., TĚŠITEL J., 2011. Comparison of gemma production among three *Lophozia* species during the growing season. *Flora* 206: 763-768.

HORNIČÁKOVÁ M., KOHOUTOVÁ J., SCHLAGNITWEIT J., WOHLSCHLAGER C., **ETTRICH R.**, FIALA R., SCHOEFBERGER W., MUELLER N., 2011. Backbone assignment and secondary structure of the PsbQ protein from Photosystem II. *Biomolecular NMR Assignments* 5: 169-175.

**HRČEK J.**, MILLER S., QUICKE D., SMITH M., 2011. Molecular detection of trophic links in a complex insect host-parasitoid food web. *Molecular Ecology Resources* 11: 786-794.

**HROUZEK P.**, **TOMEK P.**, LUKEŠOVÁ A., URBAN J., VOLOSHKO L., PUSHPARAJ B., VENTURA S., LUKAVSKÝ J., ŠTYS D., KOPECKÝ J., 2011. Cytotoxicity and secondary metabolites production in terrestrial Nostoc strains, originating from different climatic/geographic regions and habitats: Is their cytotoxicity environmentally dependent? *Environmental Toxicology* 26: 345-358.

**HUSNÍK F.**, **CHRUDIMSKÝ T.**, **HYPŠA V.**, 2011. Multiple origins of endosymbiosis within the Enterobacteriaceae ( $\gamma$ -Proteobacteria): convergence of complex phylogenetic approaches. *BMC Biology* 9: 87.

HYNEK R., MARŠÁLOVÁ L., KUČKOVÁ Š., **KONÍK P.**, **ŠANTRŮČEK J.**, MARTINEC J., NOVOTNÁ Z., KODÍČEK M., 2011. A novel approach for the determination of membrane protein expression levels based on LC-MS/MS. *Journal of Liquid Chromatography & Related Technologies* 34: 1004-1013.

CHÁBERA P., **DURCHAN M.**, SHIH P.M., KERFELD C.A., **POLÍVKA T.**, 2011. Excited-state properties of the 16 kDa red carotenoid protein from *Arthrospira maxima*. *Biochimica et Biophysica Acta - Bioenergetics* 1807: 30-35.

CHARLES J., IWEMA T., EPA V., TAKAKI T., **RYNEŠ P.**, **JINDRA M.**, 2011. Ligand-binding properties of a juvenile hormone receptor, Methoprene-tolerant. *Proceedings of The National Academy of Sciences of The United States of America* 108: 21128-21133.

**CHMELAŘ J.**, OLIVEIRA C.J., ŘEZÁČOVÁ P., FRANCISCHETTI I.M., KOVÁŘOVÁ Z., PEJLER G., **KOPÁČEK P.**, RIBEIRO J.M., MAREŠ M., **KOPECKÝ J.**, KOTSYFAKIS M., 2011. A tick salivary protein targets cathepsin G and chymase and inhibits host inflammation and platelet aggregation. *Blood* 117: 736-744.

**CHRUDIMSKÁ T.**, SLANINOVÁ J., **RUDENKO N.**, **RŮŽEK D.**, **GRUBHOFFER L.**, 2011. Functional characterization of two defensin isoforms of the hard tick *Ixodes ricinus*. *Parasites & Vectors* 4: 63.

JANDA M., **KONEČNÁ M.**, 2011. Canopy assemblages of ants in a New Guinea rain forest. *Journal of Tropical Ecology* 27: 83-91.

JANEČEK Š., **PATÁČOVÁ E.**, **BARTOŠ M.**, **PADYŠÁKOVÁ E.**, **SPITZER L.**, **TROPEK R.**, 2011. Hovering sunbirds in the Old World: occasional behaviour or evolutionary trend? *Oikos* 120: 178-183.

JAROŠÍK V., **KONVIČKA M.**, PYŠEK P., KADLEC T., BENEŠ J., 2011. Conservation in a city: Do the same principles apply to different taxa? *Biological Conservation* 144: 490-499.

**JELÍNEK P., HENSLER G., 2011.** The collisions of high-velocity clouds with the galactic halo. *Computer Physics Communications* 182: 1784-1789.

**JERSÁKOVÁ J., MALINOVÁ T., JEŘÁBKOVÁ K., DÖTTERL S., 2011.** Biological Flora of the British Isles: *Pseudorchis albida* (L.) Á. & D. Löve. *Journal of Ecology* 99: 1282-1298.

**JÍLKOVÁ V., MATĚJÍČEK L., FROUZ J., 2011.** Changes in the pH and other soil chemical parameters in soil surrounding wood ant (*Formica polyctena*) nests. *European Journal of Soil Biology* 47: 72-76.

**JIRÁSKOVÁ-VANIČKOVÁ J., ETTRICH R., VORLOVÁ B., HOFFMAN H.E., LEPŠÍK M., JANSA P., KONVALINKA J., 2011.** Inhibition of human serine racemase, an emerging target for medicinal chemistry. *Current Drug Targets* 12: 1037-1055.

**JIRKŮ M., BARTOŠOVÁ P., KODÁDKOVÁ A., MUTSCHMANN F., 2011.** Another chloromyxid lineage: molecular phylogeny and redescription of *Chloromyxum careni* from the Asian horned frog *Megophrys nasuta*. *Journal of Eukaryotic Microbiology* 58: 50-59.

**JIROUT J., ŠIMEK M., ELHOTTOVÁ D., 2011.** Inputs of nitrogen and organic matter govern the composition of fungal communities in soil disturbed by overwintering cattle. *Soil Biology & Biochemistry* 43: 647-656.

**JOHANSEN J.R., KOVAČIK L., CASAMATTA D.A., FUČÍKOVÁ K., KAŠTOVSKÝ J., 2011.** Utility of 16S-23S ITS sequence and secondary structure for recognition of intrageneric and intergeneric limits within cyanobacterial taxa: *Leptolyngbya corticola* sp. nov. (Pseudanabaenaceae, Cyanobacteria). *Nova Hedwigia* 92: 283-302.

**KÁPLOVÁ M., EDWARDS K., KVĚT J., 2011.** The effect of nutrient level on plant structure and production in a wet grassland: a field study. *Plant Ecology* 212: 809-819.

**KARLICKÝ M., JELÍNEK P., MESZAROSOVA H., 2011.** Magnetoacoustic waves in the narrowband dm-spikes sources. *Astronomy & Astrophysics* 529: 1-6.

**KAŠTOVSKÁ E., ŠANTRŮČKOVÁ H., 2011.** Comparison of uptake of different N forms by soil microorganisms and two wet-grassland plants: A pot study. *Soil Biology & Biochemistry* 43: 1285-1291.

**KAŠTOVSKÝ J., FUČÍKOVÁ K., HAUER T., KRAUTOVÁ M., 2011.** Microvegetation on the top of Mt. Roraima, Venezuela. *Fottea* 11: 171-186.

**KHABIRI M., NIKOUEE A., CWIKLIK L., GRISSMER S., ETTRICH R., 2011.** Charybdotoxin unbinding from the mKv1.3 potassium channel: A combined computational and experimental study. *Journal of Physical Chemistry B* 115: 11490-11500.

**KLEČKA J., BOUKAL D., 2011.** Lazy ecologist's guide to water beetle diversity: Which sampling methods are the best? *Ecological Indicators* 11: 500-508.

**KLIMEŠ P., JANDA M., IBAHIM S., KUA J., NOVOTNÝ V., 2011.** Experimental suppression of ants foraging on rainforest vegetation in New Guinea: testing methods for a whole-forest manipulation of insect communities. *Ecological Entomology* 36: 94-103.



KLIMEŠOVÁ J., DOLEŽAL J., DVORSKÝ M., DE BELLO F., KLIMEŠ L., 2011. Clonal growth forms in Eastern Ladakh, Western Himalayas: Classification and habitat preferences. *Folia Geobotanica* 46: 191-217.

KLIMEŠOVÁ J., JANEČEK Š., HORNÍK J., DOLEŽAL J., 2011. Effect of the method of assessing and weighting abundance on the interpretation of the relationship between plant clonal traits and meadow management. *Preslia* 83: 437-453.

KOBLÍŽEK M., JANOUŠKOVEC J., OBORNÍK M., JOHNSON J.H., FERRIERA S., FALKOWSKI P.G., 2011. Genome sequence of the marine photoheterotrophic bacterium *Erythrobacter* sp. strain NAP1. *Journal of Bacteriology* 193: 5881-5882.

KÖCKINGER H., KUČERA J., 2011. *Hymenostylium xerophilum*, sp. nov., and *H. gracillimum*, comb. nov., two neglected European mosses and their molecular affinities. *Journal of Bryology* 33: 195-209.

KOMÁREK J., 2011. Introduction to the 18th IAC Symposium in České Budějovice 2010, Czech Republic. Some current problems of modern cyanobacterial taxonomy. *Fottea* 11: 1-7.

KOMÁREK J., KAŠTOVSKÝ J., JEZBEROVÁ J., 2011. Phylogenetic and taxonomic delimitation of the cyanobacterial genera *Aphanothece Nägeli* and *Anathece* (Komárek et Anagnostidis) comb. nova. *European Journal of Phycology* 46: 315-326.

KONOPOVÁ B., SMÝKAL V., JINDRA M., 2011. Common and Distinct Roles of Juvenile Hormone Signaling Genes in Metamorphosis of Holometabolous and Hemimetabolous Insects. *PLoS One* 6: e28728.

KONVIČKA M., KADLEC T., 2011. How to increase the value of urban areas for butterfly conservation? A lesson from Prague nature reserves and parks. *European Journal of Entomology* 108: 219-229.

KOPÁČEK J., HEJZLAR J., VRBA J., STUHLÍK E., 2011. Phosphorus loading of mountain lakes: Terrestrial export and atmospheric deposition. *Limnology and Oceanography* 56: 1343-1354.

KOŘENÝ L., SOBOTKA R., JANOUŠKOVEC J., KEELING P.J., OBORNÍK M., 2011. Tetrapyrrole synthesis of photosynthetic chromerids is likely homologous to the unusual pathway of apicomplexan parasites. *Plant Cell* 23: 3454-3462.

KOŠŤÁL V., DOLEŽAL P., ROZSYPAL J., MORAVCOVÁ M., ZAHRADNÍČKOVÁ H., ŠIMEK P., 2011. Physiological and biochemical analysis of overwintering and cold tolerance in two Central European populations of the spruce bark beetle, *Ips typographus*. *Journal of Insect Physiology* 57: 1136-1146.

KOŠŤÁL V., KORBELOVÁ J., ROZSYPAL J., ZAHRADNÍČKOVÁ H., CIMLOVÁ J., TOMČALA A., ŠIMEK P., 2011. Long-Term Cold acclimation Extends Survival Time at 0 degrees C and Modifies the Metabolomic Profiles of the Larvae of the Fruit Fly *Drosophila melanogaster*. *PLoS One* 6: e25025.

KOŠŤÁL V., RENAULT D., ROZSYPAL J., 2011. Seasonal changes of free amino acids and thermal hysteresis in overwintering heteropteran insect, *Pyrrhocoris apterus*.

Comparative Biochemistry and Physiology A-Molecular & Integrative Physiology 160: 245-251.

**KOŠŤÁL V.**, ZAHRADNÍČKOVÁ H., ŠIMEK P., 2011. Hyperprolinemic larvae of the drosophilid fly, *Chymomyza costata*, survive cryopreservation in liquid nitrogen. Proceedings of The National Academy of Sciences of The United States of America 108: 13041-13046.

KOTABOVÁ E., KAŇA R., JAREŠOVÁ J., PRÁŠIL O., 2011. Non-photochemical fluorescence quenching in *Chromera velia* is enabled by fast violaxanthin de-epoxidation. FEBS Letters 585: 1941-1945.

**KOUTECKÁ E.**, LEPŠ J., 2011. Performance of three closely related *Myosotis* species in an experiment in which substrate quality and competition were manipulated. Preslia 83: 403-420.

**KOUTECKÝ P.**, BADUROVÁ T., ŠTECH M., KOŠNAR J., KARÁSEK J., 2011. Hybridization between diploid *Centaurea pseudophrygia* and tetraploid *C. jacea* (Asteraceae): the role of mixed pollination, unreduced gametes, and mentor effects. Biological Journal of the Linnean Society 104: 93-106.

KOVÁČIK L., JEZBEROVÁ J., KOMÁRKOVÁ J., KOPECKÝ J., KOMÁREK J., 2011. Ecological characteristics and polyphasic taxonomic classification of stable pigment-types of the genus *Chroococcus* (Cyanobacteria). Preslia 83: 145-166.

KOZÁKOVÁ R., SAMONIL P., KUNEŠ P., NOVÁK J., KOČÁR P., KOČÁROVÁ R., 2011. Contrasting local and regional Holocene histories of *Abies alba* in the Czech Republic in relation to human impact: Evidence from forestry, pollen and anthracological data. Holocene 21: 431-444.

KRÁLOVÁ-HROMADOVÁ I., BAZSALOVICSOVÁ E., ŠTEFKA J., ŠPAKULOVÁ M., VÁVROVÁ S., SZEMES T., TKACH V., TRUDGETT A., PYBUS M., 2011. Multiple origins of European populations of the giant liver fluke *Fascioloides magna* (Trematoda: Fasciolidae), a liver parasite of ruminants. International Journal for Parasitology 41: 373-383.

**KRAUTOVÁ M.**, JOHANSEN J.R., FUČÍKOVÁ K., 2011. *Tapinothrix clintonii* sp. nov. (Pseudanabaenaceae, Cyanobacteria), a new species at the nexus of five genera. Fottea 11: 127-140.

KUBÁT P., ŠEBERA J., ZÁLIŠ S., LANGMAIER J., FUCIMAN M., POLÍVKA T., LANG K., 2011. Charge transfer in porphyrin-calixarene complexes: ultrafast kinetics, cyclic voltammetry, and DFT calculations. Physical Chemistry Chemical Physics 13: 6916-6923.

KULA E., NEDVĚD O., 2011. *Chilocorus renipustulatus* (Coleoptera: Coccinellidae) dominates predatory ladybird assemblages on *Sorbus aucuparia* (Rosales: Rosaceae). European Journal of Entomology 108: 603-608.

**KULIK N.**, SLÁMOVÁ K., 2011. Computational Modelling of Catalytic Properties and Modified Substrates of Fungal beta-N-Acetylhexosaminidases. Mini-Reviews in Organic Chemistry 8: 270-280.

**KVIČEROVÁ J.**, MIKEŠ V., HYPŠA V., 2011. Third lineage of rodent eimerians: morphology, phylogeny and re-description of *Eimeria myoxi* (Apicomplexa: Eimeriidae) from *Eliomys quercinus* (Rodentia: Gliridae). Parasitology 138: 1217-1223.

- KVÍDEROVÁ J., **ELSTER J.**, **ŠIMEK M.**, 2011. In situ response of *Nostoc commune* s. l. colonies to desiccation in Central Svalbard, Norwegian High Arctic. *Fottea* 11: 87-97.
- LACZKO-DOBOS H., TODINOVA S.J., SOEZER O., **KOMENDA J.**, KIS M., SALLAI A., DOBRIKOVA A.G., UGHY B., DEBRECZENY M., GOMBOS Z., APOSTOLOVA E.L., DOMONKOS I., 2011. Identification of thylakoid membrane thermal transitions in *Synechocystis* sp. PCC6803 photosynthetic mutants. *Photosynthesis Research* 107: 237-246.
- LANTA V., KLIMEŠOVÁ J., MARTINCOVÁ K., JANEČEK Š., DOLEŽAL J., ROSENTHAL J., **LEPŠ J.**, KLIMEŠ L., 2011. A test of the explanatory power of plant functional traits on the individual and population levels. *Perspectives in Plant Ecology Evolution and Systematics* 13: 189-199.
- LANTOVÁ P.**, **ŠÍCHOVÁ K.**, **SEDLÁČEK F.**, **LANTA V.**, 2011. Determining Behavioural Syndromes in Voles – The Effects of Social Environment. *Ethology* 117: 124-132.
- LANTOVÁ P.**, ZUB K., KOSKELA E., **ŠÍCHOVÁ K.**, BOROWSKI Z., 2011. Is there a linkage between metabolism and personality in small mammals? The root vole (*Microtus oeconomus*) example. *Physiology & Behavior* 104: 378-383.
- LATZEL V., KLIMEŠOVÁ J., **DOLEŽAL J.**, PYŠEK P., TACKENBERG O., **PRACH K.**, 2011. The Association of Dispersal and Persistence Traits of Plants with Different Stages of Succession in Central European Man-Made Habitats. *Folia Geobotanica* 46: 289-302.
- LAVOREL S., **DE BELLO F.**, GRIGULIS K., **LEPŠ J.**, GARNIER E., CASTRO H., DOLEŽAL J., GODOLETS C., QUÉTIER F., THÉBAULT A., 2011. Response of herbaceous vegetation functional diversity to land use change across five sites in Europe and Israel. *Israel Journal of Ecology & Evolution* 57: 53-72.
- LENCOVÁ K.**, **PRACH K.**, 2011. Restoration of hay meadows on ex-arable land: commercial seed mixtures vs. spontaneous succession. *Grass and Forage Science* 66: 265-271.
- LEPŠ J.**, **DE BELLO F.**, ŠMILAUER P., **DOLEŽAL J.**, 2011. Community trait response to environment: disentangling species turnover vs. intraspecific trait variability effects. *Ecography* 34: 856-863.
- LONG S., **CHANGMAI P.**, TSAOUSIS A., **SKALICKÝ T.**, **VERNER Z.**, WEN Y., ROGER A., **LUKEŠ J.**, 2011. Stage-specific requirement for Isa1 and Isa2 proteins in the mitochondrion of *Trypanosoma brucei* and heterologous rescue by human and *Blastocystis orthologues*. *Molecular Microbiology* 81: 1403-1418.
- LUKEŠ J.**, ARCHIBALD J., KEELING P.J., DOOLITTLE W.F., GRAY M., 2011. How a neutral evolutionary ratchet can build cellular complexity. *IUBMB Life* 63: 528-537.
- MACHÁČ A.**, **JANDA M.**, DUNN R., SANDERS N., 2011. Elevational gradients in phylogenetic structure of ant communities reveal the interplay of biotic and abiotic constraints on diversity. *Ecography* 34: 364-371.
- MACHÁČ A.**, **ZRZAVÝ J.**, STORCH D., 2011. Range Size Heritability in Carnivora Is Driven by Geographic Constraints. *American Naturalist* 177: 767-779.

MACHESKY M.L., WESOLOWSKI D.J., ROSENQVIST J., **PŘEDOTA M.**, VLCEK L., RIDLEY M., KOHLI V., HANG Z., FENTER P., CUMMINGS P.T., LVOV S., FEDKIN M., RODRIGUEZ-SANTIAGO V., KUBICKI J., BANDURA A., 2011. Comparison of Cation Adsorption by Isostructural Rutile and Cassiterite. *Langmuir* 27: 4585-4593.

MACHOLÁN M., BAIRD S., **DUFKOVÁ P.**, MUNCLINGER P., BÍMOVÁ B., PIÁLEK J., 2011. Assessing multilocus introgression patterns: A case study on the mouse X chromosome in Central Europe. *Evolution* 65: 1428-1446.

**MAREŠ J.**, LESKINEN E., SITKOWSKA M., **SKÁCELOVÁ O.**, BLOMSTER J., 2011. True identity of the european freshwater *Ulva* (Chlorophyta, Ulvophyceae) revealed by a combined molecular and morphological approach. *Journal of Phycology* 47: 1177-1192.

**MAREŠ M.**, 2011. Entropies of vague information sources. *Kybernetika* 47: 337-355.

**MAREŠ M.**, 2011. Information measures and uncertainty of particular symbols. *Kybernetika* 47: 144-163.

**MASOJÍDEK J.**, KOPECKÝ J., GIANNELLI L., TORZILLO G., 2011. Productivity correlated to photobiochemical performance of *Chlorella* mass cultures grown outdoors in thin-layer cascades. *Journal of Industrial Microbiology & Biotechnology* 38: 307-317.

**MASOJÍDEK J.**, SOUČEK P., MÁCHOVÁ J., FROLÍK J., KLEM K., MALÝ J., 2011. Detection of photosynthetic herbicides: Algal growth inhibition test vs. electrochemical photosystem II biosensor. *Ecotoxicology and Environmental Safety* 74: 117-122.

MASON N.W.H., **DE BELLO F.**, **DOLEŽAL J.**, **LEPŠ J.**, 2011. Niche overlap reveals the effects of competition, disturbance and contrasting assembly processes in experimental grassland communities. *Journal of Ecology* 99: 788-796.

MEDOVÁ H., BOLDAREV A.E., **HROUZEK P.**, BORZENKO S.V., NAMSARAEV Z.B., GORLENKO V.M., NAMSARAEV B.B., **KOBLÍŽEK M.**, 2011. High abundances of aerobic anoxygenic phototrophs in saline steppe lakes. *FEMS Microbiology Ecology* 76: 393-400.

MUSIL P., MUSILOVÁ Z., **FUCHS R.**, **POLÁKOVÁ S.**, 2011. Long-term changes in numbers and distribution of wintering waterbirds in the Czech Republic, 1966-2008. *Bird Study* 58: 450-460.

MUSILOVÁ Z., MUSIL P., **FUCHS R.**, **POLÁKOVÁ S.**, 2011. Territory settlement and site fidelity in Reed Buntings *Emberiza schoeniclus*. *Bird Study* 58: 68-77.

**NEDVĚD O.**, HÁVA J., KULÍKOVÁ D., 2011. Record of the invasive alien ladybird *Harmonia axyridis* (Coleoptera, Coccinellidae) from Kenya. *ZooKeys* 2011: 77-81.

**NEDVĚD O.**, PEKÁR S., BEZDĚČKA P., LÍZNAROVÁ E., ŘEZÁČ M., SCHMITT M., SENTENSKÁ L., 2011. Ecology of Arachnida alien to Europe. *Biocontrol* 56: 539-550.

NOVÁKOVÁ M., **DOLEŽAL T.**, 2011. Expression of Drosophila Adenosine Deaminase in Immune Cells during Inflammatory Response. *PLoS One* 6: 1-10.

- NOVOTNÁ J., HAVELKA J., STARÝ P., **KOUTECKÝ P.**, **VÍTKOVÁ M.**, 2011. Karyotype analysis of the Russian wheat aphid, *Diuraphis noxia* (Kurdjumov) (Hemiptera: Aphididae) reveals a large X chromosome with rRNA and histone gene families. *Genetica* 139: 281-289.
- OBORNÍK M.**, **KOŘENÝ L.**, 2011. Sequence evidence for the presence of two tetrapyrrole pathways in *Euglena gracilis*. *Genome Biology and Evolution* 3: 359-364.
- OBORNÍK M.**, **VANCOVÁ M.**, **LAI D.**, JANOUŠKOVEC J., KEELING P. J., **LUKEŠ J.**, 2011. Morphology and Ultrastructure of Multiple Life Cycle Stages of the Photosynthetic Relative of Apicomplexa, *Chromera velia*. *Protist* 162: 115-130.
- OULEHLE F., EVANS C., HOFMEISTER J., KREJČÍ R., **TAHOVSKÁ K.**, PERSSON T., CUDLÍN P., HRUŠKA J., 2011. Major changes in forest carbon and nitrogen cycling caused by declining sulphur deposition. *Global Change Biology* 17: 3115-3129.
- PARIS Z., **HASHIMI M.**, LUN S., ALFONZO J., **LUKEŠ J.**, 2011. Futile import of tRNAs and proteins into the mitochondrion of *Trypanosoma brucei evansi*. *Molecular and Biochemical Parasitology* 176: 116-120.
- PAVELKA J., **KOVAČIKOVÁ L.**, ŠMEJDA L., 2011. The determination of domesticated animal species from a Neolithic sample using the ELISA test. *Comptes Rendus Palevol* 10: 61-70.
- PAVLOVIČ A., SLOVAKOVÁ L., **ŠANTRŮČEK J.**, 2011. Nutritional benefit from leaf litter utilization in the pitcher plant *Nepenthes ampullaria*. *Plant Cell and Environment* 34: 1865-1873.
- PERKERSON R.B.I., JOHANSEN J.R., KOVÁČIK L., BRAND J., **KAŠTOVSKÝ J.**, CASAMATTA D.A., 2011. A unique Pseudanabaenalean (Cyanobacteria) genus *Nodosilinea* gen. nov. based on morphological and molecular data. *Journal of Phycology* 47: 1397-1412.
- PETERKA J.**, **MATĚNA J.**, 2011. Feeding behaviour determining differential capture success of evasive prey in underyearling European perch (*Perca fluviatilis* L.) and roach (*Rutilus rutilus* (L.)). *Hydrobiologia* 661: 113-121.
- PIÁLKOVÁ R.**, 2011. Molecular evidence for extra-pair paternity and intraspecific brood parasitism in the Black-headed Gull. *Journal of Ornithology* 152: 291-295.
- POLÍVKA T.**, KALIGOTLA S., CHÁBERA P., FRANK H.A., 2011. An intramolecular charge transfer state of carbonyl carotenoids: implications for excited state dynamics of apo-carotenals and retinal. *Physical Chemistry Chemical Physics* 13: 10787-10796.
- POUSKA V.**, **LEPŠ J.**, SVOBODA M., LEPŠOVÁ A., 2011. How do log characteristics influence the occurrence of wood fungi in a mountain spruce forest? *Fungal Ecology* 4: 201-209.
- PRACH K.**, **ŘEHOUNKOVÁ K.**, ŘEHOUNEK J., **KONVALINKOVÁ P.**, 2011. Ecological Restoration of Central European Mining Sites: A Summary of a Multi-site Analysis. *Landscape Research* 36: 263-268.

- PRACH K.**, WALKER L. R., 2011. Four opportunities for studies of ecological succession. *Trends in Ecology & Evolution* 26: 119-123.
- PRCHALOVÁ M., **MRKVIČKA T.**, PETERKA J., ČECH M., **BEREC L.**, KUBEČKA J., 2011. A model of gillnet catch in relation to the catchable biomass, saturation, soak time and sampling period. *Fisheries Research* 107: 201-209.
- PROCHÁZKA P., STOKKE B., JENSEN H., **FAINOVÁ D.**, BELLIN VIA E., FOSSOY F., VIKAN J. R., BRYJA J., SOLER M., 2011. Low genetic differentiation among reed warbler *Acrocephalus scirpaceus* populations across Europe. *Journal of Avian Biology* 42: 103-113.
- PŘENOSIL O., PITONAK M., SEDLÁK R., **KABELÁČ M.**, HOBZA P., 2011. H-Bonding Cooperativity Effects in Amyloids: Quantum Mechanical and Molecular Mechanics Study. *Zeitschrift für Physikalische Chemie - International Journal of Research in Physical Chemistry & Chemical Physics* 225: 553-574.
- REIF J., MARHOUL P., ČÍŽEK O., **KONVIČKA M.**, 2011. Abandoned military training sites are an overlooked refuge for at-risk open habitat bird species. *Biodiversity and Conservation* 20: 3645-3662.
- REJMÁNKOVÁ E., **SIROVÁ D.**, CARLSON E., 2011. Patterns of activities of root phosphomonoesterase and phosphodiesterase in wetland plants as a function of macrophyte species and ambient phosphorus regime. *New Phytologist* 190: 968-976.
- RIEGERT J.**, **FAINOVÁ D.**, ANTCZAK M., SEDLÁČEK O., HOŘÁK D., REIF J., PEŠATA M., 2011. Food niche differentiation in two syntopic sunbird species: a case study from the Cameroon Mountains. *Journal of Ornithology* 152: 819-825.
- RIEGERT J.**, **FUCHS R.**, 2011. Fidelity to roots sites and diet composition of wintering male urban Common Kestrels (*Falco tinnunculus*). *Acta Ornithologica* 46: 183-189.
- RICHTEROVÁ L.**, VÁVROVÁ Z., LUKEŠ J., 2011. DEAD-box RNA helicase is dispensable for mitochondrial translation in *Trypanosoma brucei*. *Experimental Parasitology* 127: 300-303.
- RIJS A. M., **KABELÁČ M.**, ABO-RIZIQ A., HOBZA P., DE VRIES M.S., 2011. Isolated Gramicidin Peptides Probed by IR Spectroscopy. *ChemPhysChem* (print) 12: 1816-1821.
- ROBOVSKÝ J.**, 2011. Rhino memories. *Pachyderm Special* 50th issue: 13.
- RODRIGUES H., MARANGONI P., ŠUMBERA R., TAFFOREAU P., WENDELEN W., VIRIOT L., 2011. Continuous dental replacement in a hyper-chisel tooth digging rodent. *Proceedings of The National Academy of Sciences of The United States of America* 108: 17355-17359.
- RUDENKO N.**, **GOLOVCHENKO M.**, **GRUBHOFFER L.**, OLIVER J., 2011. *Borrelia carolinensis* sp. nov., a novel species of the *Borrelia burgdorferi* sensu lato complex isolated from rodents and a tick from the south-eastern USA. *International Journal of Systematics and Evolutionary Microbiology* 61: 381-383.

**RUDEŇKO N., GOLOVCHENKO M., GRUBHOFFER L., OLIVER J.**, 2011. Updates on *Borrelia burgdorferi* sensu lato complex with respect to public health. Ticks and Tick-borne Diseases 2: 123-128.

**RYCHTECKÝ P., ZNACHOR P.**, 2011. Spatial heterogeneity and seasonal succession of phytoplankton along the longitudinal gradient in a eutrophic reservoir. Hydrobiologia 663: 175-186.

RYŠLAVÁ H., KALEŇDOVÁ A., DOUBNEROVÁ V., SKOČDOPOL P., KUMAR V., KUKAČKA Z., POMPACH P., VANĚK O., SLÁMOVÁ K., BOJAROVÁ P., KULIK N., **ETTRICH R.**, KŘEN V., BEZOUŠKA K., 2011. Enzymatic characterization and molecular modeling of an evolutionarily interesting fungal beta-N-acetylhexosaminidase. FEBS Journal 278: 2469-2484.

**ŘÍČAN O., PIÁLEK L., ALMIRON A., CASCIOTTA J.**, 2011. Two new species of *Australoheros* (Teleostei: Cichlidae), with notes on diversity of the genus and biogeography of the Rio de la Plata basin. Zootaxa 2011: 1-26.

**ŘÍČANOVÁ Š., BRYJA J., COSSON J., CSONGOR G., CHOLEVA L., AMBROS M., SEDLÁČEK F.**, 2011. Depleted genetic variation of the European ground squirrel in Central Europe in both microsatellites and the major histocompatibility complex gene: implications for conservation. Conservation Genetics 12: 1115-1129.

**ŘÍHA M., KUBEČKA J., PRCHALOVÁ M., MRKVIČKA T., ČECH M., DRAŠTÍK V., FROUZOVÁ J., HOHAUSOVÁ E., JŮZA T., KRATOCHVÍL M., PETERKA J., TUŠER M., VAŠEK M.**, 2011. The influence of diel period on fish assemblage in the unstructured littoral of reservoirs. Fisheries Management and Ecology 18: 339-347.

SAK, BRADY D., **PELIKÁNOVÁ M., KVĚTOŇOVÁ D., ROST M., KOSTKA M., TOLAROVÁ V., HŮZOVÁ Z., KVÁČ M.**, 2011. Unapparent Microsporidial Infection among Immunocompetent Humans in the Czech Republic. Journal of Clinical Microbiology 49: 1064-1070.

SALKA I., ČUPEROVÁ Z., MASIN M., **KOBLÍŽEK M., GROSSART H.**, 2011. Rhodospirillum rubrum-related pufM gene cluster dominates the aerobic anoxygenic phototrophic communities in German freshwater lakes. Environmental Microbiology 13: 2865-2875.

SANT'ANNA C.L., GAMA W.A.J., AZEVEDO M.T.P., **KOMÁREK J.**, 2011. New morphospecies of *Chamaesiphon* (Cyanobacteria) from Atlantic rainforest, Brazil. Fottea 11: 25-30.

SCHAUFELE R., **ŠANTRŮČEK J., SCHNYDER H.**, 2011. Dynamic changes of canopy-scale mesophyll conductance to CO<sub>2</sub> diffusion of sunflower as affected by CO<sub>2</sub> concentration and abscisic acid. Plant Cell and Environment 34: 127-136.

**SCHOLZ T., BRABEC J., KRAL'OVA-HROMADOVA I., OROS M., BAZSALOVICSOVÁ E., ERMOLENKO A., HANZELOVÁ V.**, 2011. Revision of *Khawia* spp. (Cestoda: Caryophyllidea), parasites of cyprinid fish, including a key to their identification and molecular phylogeny. Folia Parasitologica 58: 197-223.

SCHRÖFEL A., KRATOŠOVÁ G., **KRAUTOVÁ M.**, DOBROCKA E., VÁVRA I., 2011. Biosynthesis of gold nanoparticles using diatoms-silica-gold and EPS-gold bionanocomposite formation. *Journal of Nanoparticle Research* 13: 3207-3216.

**SIROVÁ D.**, **BOROVEC J.**, **PICEK T.**, ADAMEC L., NEDBALOVÁ L., **VRBA J.**, 2011. Ecological implications of organic carbon dynamics in the traps of aquatic carnivorous Utricularia plants. *Functional Plant Biology* 38: 583-593.

SKORACKI M., **HROMADA M.**, WAMITI W., 2011. A new species and new host records of syringophilid mites (Acari: Syringophilidae) from passerines from Kenya. *Zootaxa* 2011: 34-40.

**SLÁMOVÁ I.**, **KLEČKA J.**, **KONVIČKA M.**, 2011. Diurnal Behavior and Habitat Preferences of *Erebia aethiops*, an Aberrant Lowland Species of a Mountain Butterfly Clade. *Journal of Insect Behavior* 24: 230-246.

**SLÁMOVÁ M.**, SKALLOVÁ A., **PÁLENÍKOVÁ J.**, KOPECKÝ J., 2011. Effect of tick saliva on immune interactions between *Borrelia afzelii* and murine dendritic cells. *Parasite Immunology* 33: 654-660.

SLOBODA M., **JIRKŮ M.**, LUKEŠOVÁ D., QABLAN M., BATSUKH Z., FIALA I., HOŘÍN P., MODRÝ D., **LUKEŠ J.**, 2011. A survey for piroplasmids in horses and Bactrian camels in North-Eastern Mongolia. *Veterinary Parasitology* 179: 246-249.

**SOBOTKA R.**, **TICHÝ M.**, WILDE A., HUNTER C.N., 2011. Functional Assignments for the Carboxyl-Terminal Domains of the Ferrochelatase from *Synechocystis* PCC 6803: The CAB Domain Plays a Regulatory Role, and Region II Is Essential for Catalysis. *Plant Physiology* 155: 1735-1747.

**SOSNOVÁ M.**, VAN DIGGELEN R., MACEK P., KLIMEŠOVÁ J., 2011. Distribution of clonal growth traits among wetland habitats. *Aquatic Botany* 95: 88-93.

SOVOVÁ Ž., KOPECKÝ V., PAZDERKA T., HOFBAUEROVÁ K., ROZBESKÝ D., VANĚK O., BEZOUŠKA K., **ETTRICH R.**, 2011. Structural analysis of natural killer cell receptor protein 1 (NKR-P1) extracellular domains suggests a conserved long loop region involved in ligand specificity. *Journal of Molecular Modeling* 17: 1353-1370.

**STRUNECKÝ O.**, **ELSTER J.**, **KOMÁREK J.**, 2011. Taxonomic revision of the freshwater cyanobacterium "Phormidium" murrayi = *Wilmottia murrayi*. *Fottea* 11: 57-71.

SVOBODOVÁ J., KREISINGER J., **ŠÁLEK M.**, KOUBOVÁ M., ALBRECHT T., 2011. Testing mechanistic explanations for mammalian predator responses to habitat edges. *European Journal of Wildlife Research* 57: 467-474.

SZABOVA J., **RŮŽIČKA P.**, **VERNER Z.**, HAMPL V., **LUKEŠ J.**, 2011. Experimental Examination of EFL and MATX Eukaryotic Horizontal Gene Transfers: Coexistence of Mutually Exclusive Transcripts Predates Functional Rescue. *Molecular biology and Evolution* 28: 2371-2378.

**ŠÍMA J.**, 2011. Odbourávání anionických a neionických tenzidů v umělém mokřadu. *Chemické listy* 105: 531-537.



**ŠÍMA J., HOLCOVÁ V.**, 2011. Removal of Nonionic Surfactants from Wastewater Using a Constructed Wetland. *Chemistry & Biodiversity* 8: 1819-1832.

**ŠIMEK K., COMERMA M., GARCIA J-C., NEDOMA J., MARCE R., ARMENGOLD J.**, 2011. The Effect of River Water Circulation on the Distribution and Functioning of Reservoir Microbial Communities as Determined by a Relative Distance Approach. *Ecosystems* 14: 1-14.

**ŠIMEK K., KASALICKÝ V., ZAPOMĚLOVÁ E., HORŇÁK K.**, 2011. Alga-Derived Substrates Select for Distinct Betaproteobacterial Lineages and Contribute to Niche Separation in Limnohabitans Strains. *Applied and Environmental Microbiology* 77: 7307-7315.

**ŠIMEK M., VIRTANEN S., KRIŠTŮFEK V., SIMOJOKI A., YLI-HALLA M.**, 2011. Evidence of rich microbial communities in the subsoil of a boreal acid sulphate soil conducive to greenhouse gas emissions. *Agriculture, Ecosystems & Environment* 140: 113-122.

**ŠKLÍBA J., ŠUMBERA R., VITÁMVÁS M.**, 2011. Resource characteristics and foraging adaptations in the silvery mole-rat (*Heliophobius argenteocinereus*), a solitary Afrotropical bathyergid. *Ecological Research* 26: 1081-1088.

**ŠLOUF V., BALASHOV S.P., LANYI J.K., PULLERITS T., POLÍVKA T.**, 2011. Carotenoid response to retinal excitation and photoisomerization dynamics in xanthorhodopsin. *Chemical Physics Letters* 516: 96-101.

**ŠORF M., DEVETTER M.**, 2011. Coupling of seasonal variations in the zooplankton community within the limnetic and littoral zones of a shallow pond. *Annales de Limnologie-International Journal of Limnology* 47: 259-268.

**ŠOUN J., VONDRÁK J., SOCHTING U., HROUZEK P., KHODOSOVTSSEV A., ARUP U.**, 2011. Taxonomy and phylogeny of the *Caloplaca cerina* group in Europe. *Lichenologist* 43: 113-135.

**ŠTEFKA J., HOECK P.E., KELLER L.F., SMITH V.S.**, 2011. A hitchhikers guide to the Galapagos: co-phylogeography of Galapagos mockingbirds and their parasites. *BMC Evolutionary Biology* 11: 284.

**ŠTĚRBA J., DUPEJOVÁ J., FIŠER M., VANCOVÁ M., GRUBHOFFER L.**, 2011. Fibrinogen-related proteins in ixodid ticks. *Parasites & Vectors* 4: 127.

**TANIFUJI G., KIM E., ONODERA N.T., GIBEAULT R., DLUTEK M., CAWTHORN R.J., FIALA I., LUKEŠ J., GREENWOOD S.J., ARCHIBALD J.M.**, 2011. Genomic Characterization of *Neoparamoeba pemaquidensis* (Amoebozoa) and Its Kinetoplastid Endosymbiont. *Eukaryotic Cell* 10: 1143-1146.

**TATON A., WILMOTTE A., ŠMARDA J., ELSTER J., KOMÁREK J.**, 2011. *Plectolynghya hodgsonii*: a novel filamentous cyanobacterium from Antarctic lakes. *Polar Biology* 34: 181-191.

**TĚŠITEL J., LEPŠ J., VRÁBLOVÁ M., CAMERON D.D.**, 2011. The role of heterotrophic carbon acquisition by the hemiparasitic plant *Rhinanthus alectorolophus* in seedling

establishment in natural communities: a physiological perspective. *New Phytologist* 192: 188-199.

TRÁVNÍČEK P., KUBÁTOVÁ B., ČURN V., RAUCHOVÁ J., KRAJNÍKOVÁ E., **JERSÁKOVÁ J.**, SUDA J., 2011. Remarkable coexistence of multiple cytotypes of the *Gymnadenia conopsea* aggregate (the fragrant orchid): evidence from flow cytometry. *Annals of Botany* 107: 77-87.

**TROPEK R.**, **KONVIČKA M.**, 2011. Should restoration damage rare biotopes? *Biological Conservation* 144: 1299-1299.

TRYJANOWSKI P., HARTEL T., BALDI A., SZYMANSKI P., TOBOLKA M., HERZON I., GOLAWSKI A., **KONVIČKA M.**, **HROMADA M.**, JERZAK L., KUJAWA K., LENDA M., ORLOWSKI G., PANEK M., SKORKA P., SPARKS T., TWOREK S., WUCZYNSKI A., ZMIHORSKI M., 2011. Conservation of farmland birds faces different challenges in Western and Central-Eastern Europe. *Acta Ornithologica* 46: 1-12.

**TUŠER M.**, BALK H., MRKVIČKA T., FROUZOVÁ J., ČECH M., **MUŠKA M.**, **KUBEČKA J.**, 2011. Validation of current acoustic dead-zone estimation methods in lakes with strongly sloped bottoms. *Limnology and Oceanography* 9: 507-514.

**TVARDÍKOVÁ K.**, **FUCHS R.**, 2011. Do birds behave according to dynamic risk assessment theory? A feeder experiment. *Behavioral Ecology and Sociobiology* 65: 727-733.

UJHÁZY K., FANTA J., **PRACH K.**, 2011. Two centuries of vegetation succession in an inland sand dune area, central Netherlands. *Applied Vegetation Science* 14: 316-325.

**URBANOVÁ Z.**, **PICEK T.**, **BÁRTA J.**, 2011. Effect of peat re-wetting on carbon and nutrient fluxes, greenhouse gas production and diversity of methanogenic archaeal community. *Ecological Engineering* 37: 1017-1026.

VACCARINO M.A., **VESELÁ J.**, JOHANSEN J.R., 2011. The Algal Flora of Acadia National Park, Maine. *Northeastern Naturalist* 18: 457-474.

**VANCOVÁ M.**, ŠLOUF M., LANGHANS J., PAVLOVÁ E., NEBESÁŘOVÁ J., 2011. Application of Colloidal Palladium Nanoparticles for Labeling in Electron Microscopy. *Microscopy and Microanalysis* 17: 810-816.

**VANIČKOVÁ I.**, SEĎA J., MACHÁČEK J., PETRUSEK A., 2011. Effects of extreme floods on the *Daphnia ephippial* egg bank in a long narrow reservoir. *Journal of Limnology* 70: 369-377.

VAN'T HOF A., EDMONDS N., **DALÍKOVÁ M.**, **MAREC F.**, SACCHERI I., 2011. Industrial Melanism in British Peppered Moths Has a Singular and Recent Mutational Origin. *Science* 332: 958-960.

VELKI M., **KODRÍK D.**, **VEČEŘA J.**, HACKENBERGER B., SOCHA R., 2011. Oxidative stress elicited by insecticides: A role for the adipokinetic hormone. *General and Comparative Endocrinology* 172: 77-84.

**VERNER Z., ČERMÁKOVÁ P., ŠKODOVÁ I., KRIEHOVÁ E., HORVÁTH A., LUKEŠ J.,** 2011. Complex I (NADH:ubiquinone oxidoreductase) is active in but non-essential for procyclic *Trypanosoma brucei*. *Molecular and Biochemical Parasitology* 175: 196-200.

**VIKTORINOVÁ I., KUČEROVÁ L., BÖHMOVÁ M., HENRY I., JINDRA M., DOLEŽAL P., ŽUROVCOVÁ M., ŽUROVEC M.,** 2011. Characterization of two closely related alpha-amylase paralogs in the bark beetle, *Ips typographus* (L.). *Archives of Insect Biochemistry and Physiology* 77: 179-198.

**VÍTOVÁ A., LEPŠ J.,** 2011. Experimental assessment of dispersal and habitat limitation in an oligotrophic wet meadow. *Plant Ecology* 212: 1231-1242.

**VLASÁK J., KOUT J.,** 2011. Tropical *Trametes lactinea* is widely distributed in the eastern USA. *Mycotaxon* 115: 271-279.

**VLASÁK J., KOUT J., VLASÁK J., RYVARDEN L.,** 2011. New records of polypores from southern Florida. *Mycotaxon* 118: 159-176.

**VLCEK C., MARANDE W., TEJEIRO S., LUKEŠ J., BURGER G.,** 2011. Systematically fragmented genes in a multipartite mitochondrial genome. *Nucleic Acids Research* 39: 979-988.

**VONDRÁK J., ŘÍHA P., REDCHENKO O., VONDRÁKOVÁ O., HROUZEK P., KHODOSOVTSSEV A.,** 2011. The *Caloplaca crenulatella* species complex; its intricate taxonomy and description of a new species. *Lichenologist* 43: 467-481.

**WEINBAUER M.G., BONILLA-FINDJI O., CHAN A.M., DOLAN J.D., SHORT S.M., ŠIMEK K., WILHELM S.W., SUTTLE C.A.,** 2011. Synechococcus growth in the ocean may depend on the lysis of heterotrophic bacteria. *Journal of Plankton Research* 33: 1465-1476.

**WOLINSKA J., SEĎA J., KOERNER H., ŠMILAUER P., PETRUSEK A.,** 2011. Spatial variation of *Daphnia* parasite load within individual water bodies. *Journal of Plankton Research* 33: 1284-1294.

**ZAMMIT G., BILLI D., SHUBERT E., KAŠTOVSKÝ J., ALBERTANO P.,** 2011. The biodiversity of subaerophytic phototrophic biofilms from Maltese hypogea. *Fottea* 11: 187-201.

**ZAPOMĚLOVÁ E., HROUZEK P., ŘEZANKA T., JEZBEROVÁ J., ŘEHÁKOVÁ K., HISEM D., KOMÁRKOVÁ J.,** 2011. Polyphasic characterization of *Dolichospermum* spp. and *Sphaerospermopsis* spp. (Nostocales, Cyanobacteria): Morphology, 16S rRNA gene sequences and fatty acid and secondary metabolite profiles. *Journal of Phycology* 47: 1152-1163.

**ZÁRYBNICKÁ M., RIEGERT J., ŠŤASTNÝ K.,** 2011. Diet composition in the Tengmalm's Owl *Aegolius funereus*: a comparison of camera surveillance and pellet analysis. *Ornis Fennica* 88: 147-153.

**ZAŤKOVÁ I., SERGEJEVOVÁ M., URBAN J., VACHTA R., ŠTYS D., MASOJÍDEK J.,** 2011. Carotenoid-enriched microalgal biomass as feed supplement for freshwater ornamentals: albinic form of wels catfish (*Silurus glanis*). *Aquaculture Nutrition* 17: 278-286.

**ZELOVÁ J., ŠUMBERA R., OKROUHLÍK J., ŠKLÍBA J., LÖVY M., BURDA H.,** 2011. A seasonal difference of daily energy expenditure in a free-living subterranean rodent, the silvery mole-rat (*Heliophobius argenteocinereus*; Bathyergidae). *Comparative Biochemistry and Physiology A-Molecular & Integrative Physiology* 158: 17-21.

**ZEMANOVÁ B., HÁJKOVÁ P., BRYJA J., ZIMA J., HÁJKOVÁ A., ZIMA J.,** 2011. Development of multiplex microsatellite sets for noninvasive population genetic study of the endangered Tatra chamois. *Folia Zoologica* 60: 70-80.

**ZIMMERMANN K., BLAŽKOVÁ P., ČÍŽEK O., FRIC Z., HULA V., KEPKA P., NOVOTNÝ D., SLÁMOVÁ I., KONVIČKA M.,** 2011. Demography of adults of the Marsh fritillary butterfly, *Euphydryas aurinia* (Lepidoptera: Nymphalidae) in the Czech Republic: Patterns across sites and seasons. *European Journal of Entomology* 108: 243-254.

**ZIMMERMANN K., FRIC Z., JISKRA P., KOPEČKOVÁ M., VLAŠÁNEK P., ZAPLETAL M., KONVIČKA M.,** 2011. Mark-recapture on large spatial scale reveals long distance dispersal in the Marsh Fritillary, *Euphydryas aurinia*. *Ecological Entomology* 36: 499-510.

**ZNACHOR P., NEDOMA J., RYCHTECKÝ P.,** 2011. Kinetics of glucose stimulatory effect on silica deposition and growth of natural populations of *Fragilaria crotonensis*. *Phycological Research* 59: 123-128.

## 2. JINÉ PUBLIKACE (CELKEM 35 PRACÍ)

ADAMEC L., VRBA J., SIROVÁ D., 2011. Fluorescence tagging of phosphatase and chitinase activity on different structures of *Utricularia* traps. *Carnivorous Plant Newsletter* 40: 68-73.

BARTOŠOVÁ L., DITRICH O., BENEŠ J., FROLÍK J., MUSIL J., 2011. Paleoparasitological findings in Medieval and Early Modern archaeological deposits from Hradební street, Chrudim, Czech Republic. *Interdisciplinaria Archaeologica* 2: 27-38.

BENEŠ J., ŠÁLKOVÁ T., VANĚČEK Z., 2011. Původ a nejstarší historie ječmene setého (*Hordeum vulgare*) na Předním východě: pohled archeobotaniky. *Kvasný průmysl - Časopis pro výrobu nápojů a biochemické technologie* 57: 121-126.

DOBEŠ M., LIMBURSKÝ P., KYSELÝ R., NOVÁK J., ŠÁLKOVÁ T., 2011. Příspěvek k prostorovému uspořádání obytných areálů z konce středního eneolitu. Řivnáčské osídlení ve Vlíněvsi. *Archeologické rozhledy* 63: 375-424.

DOSTÁLEK L., 2011. Formáty pro zaručené elektronické podpisy – část I. DSM – data security management Neueden: 34-37.

DOSTÁLEK L., 2011. Formáty pro zaručené elektronické podpisy – část II. DSM – data security management Neueden: 26-29.

DOSTÁLEK L., 2011. Formáty pro zaručené elektronické podpisy – část III. DSM – data security management Neueden: 34-37.

DOSTÁLKOVÁ I., DOSTÁLEK L., 2011. The impact of synchronization on the group size. In *AIP Conference Proceedings, Volume 1389 Numerical Analysis and Applied Mathematics ICNAAM 2011*. Neueden : American Institute of Physics, s. 1644-1647.

HALDA J., HAUER T., KOCIÁNOVÁ M., MÜHLSTEINOVÁ R., ŘEHÁKOVÁ K., ŠTASTNÁ P., 2011. Biodiverzita cévnatých rostlin, lišejníků, sinic a řas na skalách s ledopády v Labském dole. *Opera Corcontica* 48: 45-68.

HÖNIG V., ZUBRIKOVÁ D., VÖGERL D., ŠVEC P., PFISTER K., GRUBHOFFER L., 2011. Klíšťata a jimi přenášená onemocnění v Jihočeském kraji a Bavorsku / Zecken und zecken-übertragene Krankheiten in Südböhmen und Bayern. *Sborník projektu*, pp. 80.

HRAŠKA M., RAKOUSKÝ S., 2011. Enhancement of *A. Tumefaciens*-mediated transformation efficiency by pretreatment and wounding of plant tissues. In Kumar, *Plant Tissue Culture and Applied Plant Biotechnology*. Chaura Rasta, Indie : Aaswishkar Publishers, s. 1-16.

HROUDOVÁ Z., EKRT L., EKRTOVÁ E., ŠUMBEROVÁ K., 2011. *Scirpetum radicans* Nowiński 1930. In Chytrý, *Vegetace České republiky 3. Vodní a mokřadní vegetace*. Praha : Academia, s. 462-465.

**CHLUMSKÝ J., ŠTECH M.**, 2011. Rozšíření černýše českého (*Melampyrum bohemicum*) v České republice a na Slovensku – revize po čtyřiceti letech. *Zprávy České botanické společnosti* 46: 1-16.

**CHVOJKA O., BENEŠ J., FRÖHLICH J., JOHN J., MICHÁLEK J., ŠÁLKOVÁ T.**, 2011. Výšinné sídliště ze starší doby bronzové a pozdní doby halštatské u Opařan. *Archeologické výzkumy v jižních Čechách* 24: 19-40.

**JELÍNEK J.**, 2011. Modelování informačních toků v sociálních sítích. In *Selected papers from the 10th annual Czech and Slovak knowledge technology conference (Znalosti 2011)*. Aachen : CEUR-WS, s. "nestránkováno".

**KALOVÁ J., MAREŠ R.**, 2011. Teplotní závislost povrchového napětí vody. In Peukert, *ES2011 Energetické stroje a zařízení, termomechanika a mechanika tekutin*. Plzeň: Západočeská univerzita v Plzni, s. 1-8.

**KALOVÁ J., MAREŠ R.**, 2011. Závislost povrchového napětí na geometrickém tvaru fázového rozhraní. In Peukert, *Sborník příspěvků 30. setkání kateder mechaniky tekutin a termomechaniky*. Liberec: Technická univerzita v Liberci, s. 81-83.

**KALOVÁ J.**, 2011. Dimenze. In Hašek, *Sborník 5. konference Užití počítačů ve výuce matematiky*. České Budějovice: Jihočeská univerzita v Českých Budějovicích, s. 175-184.

**KOSŇOVSKÁ J., HOUFKOVÁ P., KOVÁŘ D.**, 2011. Lannova třída v Českých Budějovicích ve světle archeobotanických analýz a historických pramenů. *Archeologické výzkumy v jižních Čechách* 24: 263-280.

**KOUTECKÝ P.**, 2011. Nález vítodu douškolitého (*Polygala serpyllifolia*) v jižních Čechách. *Zprávy České botanické společnosti* 46: 39-44.

**KROLOVÁ M., ČÍŽKOVÁ H., HEJZLAR J.**, 2011. Zonace litorálního porostu v zátocce přehradní nádrže Lipno. *Sborník Jihočeského muzea v Čes. Budějovicích, Přír. Vědy* 51: 57-72.

**KUČERA J.**, 2011. Nová bryologická literatura XXIV. *Bryonora* 46: 62-80.

**MIKEŠ V.**, 2011. Nálezy plcha lesního *Dryomys nitedula* (Rodentia: Gliridae) ve vrcholových partiích masivu Radhoště (Moravskoslezské Beskydy). *Acta carpathica occidentalis* 2: 86-87.

**MLÍKOVSKÝ J., BENDA P., MORAVEC J., ROBOVSKÝ J., EKRT B.**, 2011. Emil Holub's collection of vertebrates in the National Museum in Prague, Czech Republic. *Editio Monographica Musei Nationalis Pragae* 13: 113-163.

**PLUHÁČEK J., HRABINA P., ROBOVSKÝ J.**, 2011. České názvy živočichů. Savci (Mammalia). Dodatek 2 - jelenovití (Cervidae), kabarovití (Moschidae) a kančilovití (Tragulidae). *Lynx*, n. s. 42: 281-296.

**RAKOUSKÝ S., HRAŠKA M.**, 2011. Green fluorescent protein - a proven tool for the laboratory assessment of transformation events and a promising instrument for the monitoring

of GM crops.. In Gary C., *Encyclopedia of Agriculture Research*. New York : Nova Science Publishers, Inc., s. 249-279.

**RUDENKO N., GOLOVCHENKO M., OLIVER J., GRUBHOFFER L.,** 2011. Chapter 96th, *Borrelia*. In Liu, *Molecular Detection of Human Bacterial Pathogens*. Philadelphia : Taylor & Francis INC, s. 1149-1162.

**ŘEHOUNKOVÁ K., ŘEHOUNEK J., PRACH K.,** 2011. Near-natural restoration vs. technical reclamation of mining sites in the Czech Republic. In České Budějovice : Jihočeská univerzita v Českých Budějovicích, Biologická fakulta, 112 s.

**ŘÍHOVÁ Z.,** 2011. Acquisition employees' issues in outsourcing projects. In *Informační technologie pro praxi 2011*. Frýdek-Místek : VŠB - Technická univerzita Ostrava, s. 152-157.

**SEKERKA L.,** 2011. *Cassida stevensi*, a new species from India (Coleoptera: Chrysomelidae: Cassidinae: Cassidini). Genus - International Journal of Invertebrate Taxonomy 22: 499-504.

**SEKERKA L.,** 2011. *Cyrtanota maxhowardi* sp. nov. from Peru and emendation of *C. caprishensis* Sekerka (Coleoptera: Chrysomelidae: Cassidinae: Mesomphaliini). Genus - International Journal of Invertebrate Taxonomy 22: 609-613.

**SEKERKA L.,** 2011. Description of *Gratiana pauxilla* sp. nov. from Bolivia with key to *Gratiana* species and note on *G. insculpta* (Boh.) (Coleoptera: Chrysomelidae: Cassidinae: Cassidini). Genus - International Journal of Invertebrate Taxonomy 22: 615-620.

**SEKERKA L., BOROWIEC L.,** 2011. New synonymy in Palearctic Cassidini (Coleoptera: Chrysomelidae: Cassidinae). Genus - International Journal of Invertebrate Taxonomy 22: 505-509.

**SHUKLA S.P., KVÍDEROVÁ J., ELSTER J.,** 2011. Nutrient requirements of polar *Chlorella*-like species. Czech Polar Reports 1: 1-10.

**SKRBEK M.,** 2011. Data mining v RapidMineru. In Rudolf, *Sborník příspěvků z 38. konference EurOpen.CZ*. Plzeň : TYPOS, tiskařské závody a.s., s. 5-11.

**ŠÍDA P., CHVOJKA O., POKORNÝ P., NOVÁK J.,** 2011. Výsledky první etapy výzkumu mezolitické lokality Švarcenberk 11 u Ponědrážky (okr. Jindřichův Hradec). Archeologické výzkumy v jižních Čechách 24: 5-18.