

## **Publikace pracovníků a studentů Biologické fakulty JU v roce 2006**

(Jsou uvedeny pouze články ve vědeckých časopisech s IF (celkem 177 prací),  
a dále (kurzivou) knihy a kapitoly v knihách včetně editorství knih a publikací na CD a www (celkem 19 prací).  
**Pracovníci a studenti BF zaměstnaní či studující na BF v roce 2006 jsou uvedeni tučně.)**

**ADDICO G., HARDEGE J., KOMÁREK J., BABICA P., DE GRAFT-JOHNSON K.A.A.**, 2006. Cyanobacteria species identified in the Weija and Kpong reservoirs, Ghana, and their implications for drinking water quality with respect to microcystin. African Journal of Marine Science 28: 451-456.

**ASAHINA M., VALENTA T., ŠILHÁNKOVÁ M., KOŘÍNEK V., JINDRA M.**, 2006. Crosstalk between a Nuclear Receptor and b-Catenin Signaling Decides Cell Fates in the *C. elegans* Somatic Gonad. Developmental Cell 11: 203-211.

**BARČIOVÁ L., MACHOLÁN M.**, 2006. Morphometric study of two species of wood mice *Apodemus sylvaticus* and *A. flavicollis* (Rodentia: Muridae): traditional and geometric morphometric approach. Acta Theriologica 51: 15-27.

**BÁRTŮ I., PATOČKOVÁ M., KODRÍK D.**, 2006. The effect of juvenile hormone analogue on adipokinetic hormone activity in bugs (Heteroptera, Insecta). Physiological Research 55: 13P-14P.

**BASTLOVÁ D., BASTL M., ČÍŽKOVÁ H., KVĚT J.**, 2006. Plasticity of *Lythrum salicaria* and *Phragmites australis* growth characteristics across a European geographical gradient. Hydrobiologia 570: 237-242.

**BENEŠ J., ČÍŽEK O., DOVALA J., KONVIČKA M.**, 2006. Intensive game keeping, coppicing and butterflies: The story of Milovicky Wood, Czech Republic. Forest Ecology and Management 237: 353-365.

**BEREC M., KŘIVAN V., BEREC L.**, 2006. Asymmetric competition, body size, and foraging tactics: testing the ideal free distribution in two competing fish species. Evolutionary Ecology Research 8: 929-942.

**BÍNA D., LITVÍN R., VÁCHA F., ŠIFFEL P.**, 2006. New multichannel kinetic spectrophotometer-fluorimeter with pulsed measuring beam for photosynthesis research. Photosynthesis Research 88: 351-356.

**BISCHOFF A., CREMIEUX L., ŠMILAUEROVÁ M., LAWSON C.S., MORTIMER S.R., DOLEŽAL J., LANTA V., EDWARDS A.R., BROOK A.J., MACEL M., LEPS J., STEINGER T., MULLER-SCHARER H.**, 2006. Detecting local adaptation in widespread grassland species - the importance of scale and local plant community. Journal of Ecology 94: 1130-1142.

**BLAŽKA P., OKROUHLÍK J., EDROVÁ L., KRATOCHVILOVÁ H.**, 2006. Anoxia in some lower vertebrates. Physiological Research 55: 16-16.

**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.

**BOHLEN J., ŠLECHTOVÁ V., BOGUTSKAYA N., FREYHOF J.**, 2006. Across Siberia and over Europe: Phylogenetic relationships of the freshwater fish genus *Rhodeus* in Europe and the phylogenetic position of *Rhodeus sericeus* from the River Amur. Molecular Phylogenetics and Evolution 40: 856-865.

**BOMBAROVÁ M., MAREC F., NGUYEN P., ŠPAKULOVÁ M.**, 2006. Divergent location of ribosomal genes in chromosomes of fish thorny-headed worms, *Pomphorhynchus laevis* and *P. tereticollis* (Acanthocephala). Genetica, Springer, published online. DOI 10.1007/s10709-006-9124-3.

**BRABEC J., KUCHTA R., SCHOLZ T.**, 2006. Paraphyly of the Pseudophyllidea (Platyhelminthes: Cestoda): circumscription of monophyletic clades based on phylogenetic analysis of ribosomal RNA. International Journal for Parasitology 36: 1535-1541.

BRAGAZZA L., FREEMAN C.H., JANES T., RYDIN H., HÁJEK T., 2006. Atmospheric nitrogen deposition promotes carbon loss from peat bogs. Proceedings of The National Academy of Sciences of The United States of America 103: 19386-19389.

BRANCO L.H.Z., AZEVEDO M.T.P., SANT'ANNA C.L., KOMÁREK J., 2006. New morphospecies of Symplocastrum (Phormidiaceae, Oscillatoriaceae) from aerophytic habitats in Brazil. Archiv fur Hydrobiologie/Algological Studies 121: 23-33.

BRANCO L.H.Z., KOMÁREK J., AZEVEDO M.T.D.P., SANT'ANNA C.L., WATANABE M., 2006. The cyanobacterial genus *Cyanoarbor* Wang (Chroococcales, Entophysalidaceae) and its occurrence in Brazil. Nova Hedwigia 82: 365-380.

BRAY R.A., KUCHTA R., 2006. Digeneans from deep-sea marine teleosts off the Outer Hebrides, Scotland, including the description of *Brachyenteron helicoleni* sp. nov. (Zoogonidae). Acta Parasitologica 51: 169-175.

BUREŠOVÁ V., FRANTA Z., KOPÁČEK P., 2006. A comparison of *Chryseobacterium indologenes* pathogenicity to the soft tick *Ornithodoros moubata* and hard tick *Ixodes ricinus*. Journal of Invertebrate Pathology 93: 96-104.

ČECH M., KUBEČKA J., 2006. Ontogenetic changes in the bathypelagic distribution of European perch fry *Perca fluviatilis* monitored by hydroacoustic methods. Biologia 61: 211-219.

ČÍŽEK L., FRIC Z., KONVIČKA M., 2006. Host plant defences and voltinism in European butterflies. Ecological Entomology 31: 337-344.

DE BELLO F., LEPŠ J., SEBASTIA M.T., 2006. Variation in species and functional plant diversity along climatic and grazing gradients. Ecography 29: 801-810.

DIÁKOVÁ K., HOLCOVÁ V., ŠÍMA J., DUŠEK J., 2006. The distribution of iron oxidation states in a constructed wetland as an indicator of its redox properties. Chemistry & Biodiversity 3: 1288-1300.

DOLEŽAL J., ŠRŮTEK M., HARA T., SUMIDA A., PENTTILA T., 2006. Neighborhood interactions influencing tree population dynamics in nonpyrogenous boreal forest in northern Finland. Plant Ecology 185: 135-150.

DOLEŽELOVÁ E., ŽUROVEC M., BÖHMOVÁ M., SEHNAL F., 2006. Use of two transcription starts in the G6PD gene of the bark beetle *Ips typographus*. Insect Molecular Biology 15: 25-32.

DUŠEK J., KVĚT J., 2006. Seasonal dynamics of dry weight, growth rate and root/shoot ratio in different aged seedlings of *Salix caprea*. Biologia 61: 441-447.

DYKOVÁ I., PECKOVÁ H., FIALA I., DVOŘÁKOVÁ H., 2006. Fish-isolated *Naegleria* strains and their phylogeny inferred from ITS and SSU rDNA sequences. Folia Parasitologica 53: 172-180.

EDWARDS K., ČÍŽKOVÁ H., ZEMANOVÁ K., ŠANTRŮČKOVÁ H., 2006. Plant growth and microbial processes in a constructed wetland planted with *Phalaris arundinacea*. Ecological Engineering 27: 153-165.

ELHOTTOVÁ D., KRIŠTÚFEK V., FROUZ J., NOVÁKOVÁ A., CHROŇÁKOVÁ A., 2006. Screening for microbial markers in Miocene sediment exposed during open-cast brown coal mining. Antonie van Leeuwenhoek IJGMM 89: 459-463.

ELHOTTOVÁ D., KRIŠTÚFEK V., TŘÍSKA J., CHRASTNÝ V., UHLÍŘOVÁ E., KALČÍK J., PICEK T., 2006. Immediate impact of the flood (Bohemia, August 2002) on selected soil characteristics. Water Air and Soil Pollution 173: 177-193.

EXNEROVÁ A., SVÁDOVÁ K., ŠTYS P., BARCALOVÁ S., LANDOVÁ E., PROKOPOVÁ M., FUCHS R., SOCHA R., 2006. Importance of colour in the reaction of passerine predators to aposematic prey: experiments with mutants of *Pyrrhocoris apterus* (Heteroptera). Biological Journal of the Linnean Society 88: 143-153.

FALTÝNKOVÁ A., HAAS W., 2006. Larval trematodes in freshwater molluscs from the Elbe to Danube rivers (Southeast Germany): before and today. Parasitology Research 99: 572-582.

FALTÝNKOVÁ A., HORÁČKOVÁ E., HIRTOVÁ L., NOVOBILSKÝ A., MODRÝ D., SCHOLZ T., 2006. Is *Radix peregra* a new intermediate host of *Fascioloides magna* (Trematoda) in Europe? Field and experimental

evidence. Acta Parasitologica 51: 87–90.

**FIALA I.**, 2006. The phylogeny of Myxosporea (Myxozoa) based on small subunit ribosomal RNA gene analysis. International Journal for Parasitology 36: 1521-1524.

FREESE A., BENEŠ J., BOLZ R., ČÍŽEK O., DOLEK M., GEYER A., GROS P., KONVIČKA M., LIEGL A., STETTMER C., 2006. Habitat use of the endangered butterfly *Euphydryas maturna* and forestry in Central Europe. Animal Conservation 9: 388-397.

**FRIC Z., KLÍMOVÁ M., KONVIČKA M.**, 2006. Mechanical design indicates differences in mobility among butterfly generations. Evolutionary Ecology Research 8: 1511-1522.

FROUZ J., ELHOTTOVÁ D., KURÁŽ V., ŠOURKOVÁ M., 2006. Effects of soil macrofauna on other soil biota and soil formation in reclaimed and unreclaimed post mining sites: Results of a field microcosm experiment. Applied Soil Ecology 33: 308-320.

GACHON C.M.M., KUPPER H., KUPPER F.C., ŠETLÍK I., 2006. Single-cell chlorophyll fluorescence kinetic microscopy of *Pylaiella littoralis* (Phaeophyceae) infected by *Chytridium polysiphoniae* (Chytridiomycota). European Journal of Phycology 41: 394-403.

GRIM T., ŠUMBERA R., 2006. A new record of the endangered white winged nightjar (*Eleothreptus candidans*) from Beni, Bolivia. The Wilson Journal of Ornithology 118: 109-112.

**GRUNCLOVÁ L., HORN M., VANCOVÁ M., SOJKA D., FRANTA Z., MAREŠ M., KOPÁČEK P.**, 2006. Two secreted cystatins of the soft tick *Ornithodoros moubata*: differential expression pattern and inhibitory specificity. Biological Chemistry 387: 1635-1644.

HALKETT F., KINDLMANN P., PLANTEGENEST M., SUNNUCKS P., SIMON J., 2006. Temporal differentiation and spatial coexistence of sexual and facultative asexual lineages of an aphid species at mating sites. Journal of Evolutionary Biology 19: 809-815.

HAMPL R., STARKA L., JANSKÝ L., 2006. Steroids and thermogenesis. Physiological Research 55: 123-131.

**HAVELKOVÁ P., ROČEK Z.**, 2006. Transformation of the pectoral girdle in the evolutionary origin of frogs: insights from the primitive anuran *Discoglossus*. Journal of Anatomy 209: 1-11.

**HEJZLAR J., ŠÁMALOVÁ K., BOERS P., KRONVANG B.**, 2006. Modelling phosphorus retention in lakes and reservoirs. Water, Air and Soil Pollution 178: 487-494.

**HELEŠIC J., SOLDÁN T., ŠPAČEK J.**, 2006. Plecoptera (pošvatky). In: Farkač J., Král D., Škorpík M. (eds.), Červený seznam ohrožených druhů České republiky. Bezobratlí. Agentura ochrany přírody a krajiny ČR, Praha, pp. 128-131.

HONZA M., ŠICHA V., PROCHÁZKA P., LEŽALOVÁ R., 2006. Host nest defense against a color-dimorphic brood parasite: great reed warblers (*Acrocephalus arundinaceus*) versus common cuckoos (*Cuculus canorus*). Journal of Ornithology 147: 629-637.

**HORŇÁK K., JEZBERA J., NEDOMA J., GASOL J., ŠIMEK K.**, 2006. Effects of resource availability and bacterivory on leucine incorporation in different groups of freshwater bacterioplankton, assessed using microautoradiography. Aquatic Microbial Ecology 45: 277-289.

**HOUDKOVÁ K., KINDLMANN P.**, 2006. Scaling up population dynamic processes in a ladybird-aphid system. Population Ecology 48: 323-332.

**HRAŠKA M., RAKOUSKÝ S., ČURN V.**, 2006. Green fluorescent protein as a vital marker for non-destructive detection of transformation events in transgenic plants. Plant Cell Tissue Organ Culture 86: 303-318.

**HRAŠKA M., RAKOUSKÝ S., ČURN V.**, 2006. Inhibitory proteas, mechanismy účinků a perspektivy jejich využití v transgenosi rostlin [Protease inhibitors, mode of action and perspectives for plant transgenesis]. Chemické listy 100: 501-507.

**HULCR J., UBIK K., VRKOČ J.**, 2006. The role of semiochemicals in tritrophic interactions between the spruce bark beetle *Ips typographus*, its predators and infested spruce. Journal of Applied Entomology 130: 275-283.

HYLIŠ M., PILARSKÁ D.K., OBORNÍK M., VÁVRA J., SOLTER L.F., WEISER J., LINDE A., MCMANUS M.L., 2006. *Nosema chrysorrhoeae* n. sp. (Microsporidia), isolated from browntail moth (*Euproctis chrysorrhoea* L.) (Lepidoptera, Lymantriidae) in Bulgaria: characterization and phylogenetic relationships. Journal of Invertebrate Pathology 91: 105-114.

HYPŠA V., 2006. Parasite histories and novel phylogenetic tools: alternative approaches to inferring parasite evolution from molecular markers. International Journal for Parasitology 36: 141-155.

JANEČKOVÁ P., WOTAVOVÁ K., SCHÖDELBAUEROVÁ I., JERSÁKOVÁ J., KINDLMANN P., 2006. Relative effects of management and environmental conditions on performance and survival of populations of a terrestrial orchid, *Dactylorhiza majalis*. Biological Conservation 129: 40-49.

JANSKÝ L., MATĚJOVSKÁ T., STARÁ A., 2006. Stress hormones and cytokine release from PBMC: mode of action. FEBS Journal 273 (Suppl. 1): 95-95.

JANSKÝ L., MATOUŠKOVÁ E., VÁVRA V., VYBIRAL S., JANSKY P., KNIZKOVA I., KUNC P., 2006. Thermal, cardiac and adrenergic responses to repeated local cooling. Physiological Research 55: 543-549.

JANSKÝ L., MATOUŠKOVÁ T., STRÁNSKÁ E., 2006. Thermogenic action of catecholamines in human peripheral blood mononuclear cells. Journal of Thermal Biology 31: 50-52.

JEDLIČKA J., PRACH K., 2006. A comparison of two North-American asters invading in central Europe. Flora 201: 652-657.

JERSÁKOVÁ J., JOHNSON S.D., KINDLMANN P., 2006. Mechanisms and evolution of deceptive pollination in orchids. Biological Reviews 81: 219-235.

JERSÁKOVÁ J., KINDLMANN P., RENNER S.S., 2006. Is the colour dimorphism in *Dactylorhiza sambucina* maintained by differential seed viability instead of frequency-dependent selection? Folia Geobotanica 41: 61-76.

JERSÁKOVÁ J., JOHNSON S.D., 2006. Lack of floral nectar reduces self-pollination in a fly-pollinated orchid. Oecologia 147: 60-68.

JEZBERA J., HORŇÁK K., ŠIMEK K., 2006. Prey selectivity of bacterivorous protists in different size fractions of reservoir water amended with nutrients. Environmental Microbiology 8: 1330-1339.

JIRKŮ M., ZEMANOVÁ E., AL-JAWABREH A., SCHÖNIAN G., LUKEŠ J., 2006. Development of a direct species-specific PCR assay for differential diagnosis of *Leishmania tropica*. Diagnostic Microbiology and Infectious Disease 55: 75-79.

JONÁŠOVÁ M., VAN HEES A., PRACH K., 2006. Rehabilitation of monotonous exotic coniferous plantations: A case study of spontaneous establishment of different tree species. Ecological Engineering 28: 141-148.

KAŇA J., KOPÁČEK J., 2006. Impact of soil sorption characteristics and bedrock composition on phosphorus concentrations in two Bohemian Forest lakes. Water, Air and Soil Pollution 173: 243-259.

KAŠTOVSKÝ J., 2006. *Pleodorina indica* (Iyengar) Nozaki 1989. In: Mlíkovský J., Stýblo P. (eds.): *Nepůvodní druhy fauny a flóry České Republiky*, Praha ČSOP, pp. 17-18.

KAŠTOVSKÝ J., HETEŠA J., KOMÁREK J., MARVAN P., 2006. *Enteromorpha linza* (Linnaeus) Agardh 1883. In: Mlíkovský, J. Stýblo P. (eds.): *Nepůvodní druhy fauny a flóry České Republiky*, Praha ČSOP, pp. 16.

KAŠTOVSKÝ J., KOMÁREK J., ZAPOMĚLOVÁ E., 2006. *Pediastrum simplex* Meyen 1829. In: Mlíkovský J., Stýblo P. (eds.): *Nepůvodní druhy fauny a flóry České Republiky*, Praha ČSOP, pp. 16 -17.

KINDLMANN P., HOUDKOVÁ K., 2006. Intraguild predation: fiction or reality? Population Ecology 48: 317-322.

KINDLMANN P., JERSÁKOVÁ J., 2006. Effect of floral display on reproductive success in terrestrial orchids. Folia Geobotanica 41: 47-60.

KINDLMANN P., KULL T., WHIGHAM D., WILLEMS J., 2006. Ecology and population dynamics of terrestrial orchids: An introduction. Folia Geobotanica 41: 1-2.

**KODRÍK D., SOCHA R., ŠULA J.**, 2006. Structure and function of insect stress hormones from adipokinetic peptides family. *Physiological Research* 55: 27P-28P.

**KOKEŠ J., ZAHRADKOVÁ S., NEMEJCOVÁ D., HODOVSKÝ J., JARKOVSKÝ J., SOLDÁN T.**, 2006. The PERLA System in the Czech Republic: a Multivariate Approach for Assessing the Ecological Status of Running Waters. *Hydrobiologia* 566: 343-354.

**KOMÁREK J.**, 2006. Cyanobacterial taxonomy: current problems and prospects for the integration of traditional and molecular approaches. *Algae* 21: 349-375.

**KOMÁREK J., HAUER T.**, 2006. *CyanoDB.cz - On-line database of cyanobacterial genera*. Available online at <http://www.cyanodb.cz>.

**KOMÁREK J., JOOSTEN T.**, 2006. *Cyanophytes determination course*. RIZA Lelystad, 2006, CD.

**KOMÁREK J., TATON A., SULEK J., WILMOTTE A., KAŠTOVSKÁ K., ELSTER J.**, 2006. Ultrastructure and taxonomic position of two species of the cyanobacterial genus *Schizothrix*. *Cryptogamie Algologie* 27: 53-62.

**KONÍK P., SLAVÍKOVÁ V., SALÁT J., ŘEZNIČKOVÁ J., DVOROŽNÁKOVÁ E., KOPECKÝ J.**, 2006. Antitumour necrosis factor-alpha activity in *Ixodes ricinus* saliva. *Parasite Immunology* 28: 649-656.

**KONVIČKA M., FRIC Z., BENEŠ J.**, 2006. Butterfly extinctions in European states: do socioeconomic conditions matter more than physical geography? *Global Ecology and Biogeography* 15: 82-92.

**KOPÁČEK J., BOROVEC J., HEJZLAR J., KOTOROVÁ I., STUCHLÍK E., VESELÝ J.**, 2006. Chemical composition of modern and pre-acidification sediments in the Tatra Mountain lakes. *Biologia* 61(Supl. 18): S65-S76.

**KOPÁČEK J., KAŇA J., ŠANTRŮČKOVÁ H.**, 2006. Pools and composition of soils in the alpine zone of the Tatra Mountains. *Biologia* 61(Supl. 18): S35-S49.

**KOPÁČEK J., MAREŠOVÁ M., NORTON S.A., PORCAL P., VESELÝ J.**, 2006. Photochemical source of metals for sediments. *Environmental Science & Technology* 40: 4455-4459.

**KOPÁČEK J., STUCHLÍK E., HARDEKOPF D.** 2006. Chemical composition of the Tatra Mountain lakes: Recovery from acidification. *Biologia* 61(Supl. 18): S21-S33.

**KOPÁČEK J., TUREK J., HEJZLAR J., KAŇA J., PORCAL P.**, 2006. Element fluxes in watershed-lake ecosystems recovering from acidification: Certovo Lake, the Bohemian Forest, 2001-2005. *Biologia* 61 (Suppl. 20): S427-S440.

**KOPÁČEK J., TUREK J., HEJZLAR J., KAŇA J., PORCAL P.**, 2006. Element fluxes in watershed-lake ecosystems recovering from acidification: Plesne Lake, the Bohemian Forest, 2001-2005. *Biologia* 61 (Suppl. 20): S413-S426.

**KOPÁČEK J., VRBA J.**, 2006. Integrated ecological research of catchment-lake ecosystems in the Bohemian Forest (Central Europe): A preface. *Biologia* 61 (Suppl. 20): S263-S370.

**KOPEČNÁ J., JIRKŮ M., OBORNÍK M., TOKAREV Y., LUKEŠ J., MODRÝ D.**, 2006. Phylogenetic Analysis of Coccidian Parasites from Invertebrates: Search for Missing Links. *Protist* 157: 173-183.

**KRAHULEC F., LEPŠ J., RICHARDSON D.M.**, 2006. Marcel Rejmanek at 60 - the man and his work. *Preslia* 78: 361-374.

**KRISHNAN N., KODRÍK D.**, 2006. Antioxidant enzymes in *Spodoptera littoralis* (Boisduval): Are they enhanced to protect gut tissues during oxidative stress? *Journal of Insect Physiology* 52: 11-20.

**KUČERA J.** 2006. *Mechorosty*. In: Dudák V. (ed.), *Novohradské hory a Novohradské podhůří - příroda, historie, život, Baset, Praha*, pp. 149-150.

**KUCHTA R., SHINN A.P., HANZELOVÁ V., SCHOLZ T.**, 2006. A comparative study of the egg morphology in four species of *Eubothrium* (Cestoda : Pseudophyllidea) with comments on their early development. *Invertebrate Biology* 125: 1-8.

KULL T., KINDELMANN P., HUTCHINGS M., PRIMACK R., 2006. Conservation biology of orchids: Introduction to the special issue. *Biological Conservation* 129: 1-3.

KVĚTOŇ J., 2006. Extent of ipt gene expresion and resulting amout of cytokinins affect activities of carboxylation enzymes in transgenic plants. *Biologia Plantarum* 50: 21-30.

KÝČKOVÁ K., KOPECKÝ J., 2006. Effect of tick saliva on mechanisms of innate immune response against *Borrelia afzelii*. *Journal of Medical Entomology* 43: 1208-1214.

LANTA V., LEPŠ J., 2006. Effect of functional group richness and species richness in manipulated productivity-diversity studies: a glasshouse pot experiment. *Acta Oecologica* 29: 85-96.

LANTA V., MACH J., HOLCOVÁ V., 2006. The effect of dam construction on the restoration succession of spruce mires in the Giant Mountains (Czech Republic). *Annales Botanici Fennici* 43: 260-268.

LEPŠ J., DE BELLO F., LAVOREL S., BERMAN S., 2006. Quantifying and interpreting functional diversity of natural communities: practical considerations matter. *Preslia* 78: 481-501.

LEVRON C., BRUŇANSKÁ M., KUCHTA R., FREEMAN M., SCHOLZ T., 2006. Spermatozoon ultrastructure of the pseudophyllidean cestode *Paraechinophallus japonicus*, a parasite of deep-sea fish *Psenopsis anomala* (Perciformes, Centrolophidae). *Parasitological Research* 100: 115-121.

LI F., LAI D., LUKEŠ J., CHEN X., LUN Z., 2006. Doubts about *Trypanosoma equiperdum* strains classed as *Trypanosoma brucei* or *Trypanosoma evansi*. *Trends in Parasitology* 22: 55-56.

LINHART O., RODINA M., FLAJŠHANS M., MAVRODIEV N., NEBESÁŘOVÁ J., GELA D., KOCOUR M., 2006. Studies on sperm of diploid and triploid tench, *Tinca tinca* (L.). *Aquaculture International* 14: 9-25.

LUČAN R., 2006. Relationships between the parasitic mite *Spinturnix andegavinus* (Acari : Spinturnicidae) and its bat host, *Myotis daubentonii* (Chiroptera : Vespertilionidae): seasonal, sex- and age-related variation in infestation and possible impact of the parasite on the host condition and roosting behaviour. *Folia Parasitologica* 53: 147-152.

LUKEŠ J., PARIS Z., SANDESH R., BREITLING R., MUREEV S., KUSHNIR S., PYATKOV K., JIRKŮ M., ALEXANDROV K., 2006. Translational initiation in *Leishmania tarentolae* and *Phytomonas serpens* (Kinetoplastida) is strongly influenced by pre-ATG triplet and its 5' sequence context. *Molecular and Biochemical Parasitology* 148: 125-142.

MACEK P., REJMANKOVÁ E., HOUDKOVÁ K., 2006. The effect of long-term submergence on functional properties of *Eleocharis cellulosa* Torr. *Aquatic Botany* 84: 251-258.

MACHÁČKOVÁ M., OBORNÍK M., KOPECKÝ J., 2006. Effect of salivary gland extract from *Ixodes ricinus* ticks on the proliferation of *Borrelia burgdorferi* sensu stricto in vivo. *Folia Parasitologica* 53: 153-158.

MARTÍNKOVÁ J., KLIMEŠOVÁ J., MIHULKA S., 2006. Vegetative regeneration of biennial *Oenothera species* after disturbance: Field observations and experiment. *Flora* 201: 287-297.

MATĚNA J., MATĚNOVÁ V., 2006. Ryby. In: Dudák V. (ed.), *Novohradské hory a Novohradské podhůří - příroda, historie, život, Baset, Praha*, pp. 215-220.

MATĚNOVÁ V., MATĚNA J., 2006. Obojživelníci. In: Dudák V. (ed.), *Novohradské hory a Novohradské podhůří - příroda, historie, život, Baset, Praha*, pp. 221-224.

MATĚNOVÁ V., MATĚNA J., 2006. Plazi. In: Dudák V. (ed.), *Novohradské hory a Novohradské podhůří - příroda, historie, život, Baset, Praha*, pp. 225-226.

MATOUŠEK J., VRBA L., ŠKOPEK J., ORCTOVÁ L., PEŠINA K., HEYERICK A., BAULCOMBE-D., DE KEUKELEIRE D., 2006. Sequence analysis of a "true" chalcone synthase (chs\_H1) oligofamily from hop (*Humulus lupulus* L.) and PAP1 activation of chs\_H1 in heterologous systems. *Journal of Agricultural and Food Chemistry* 54: 7606-7615.

MAURICIO I., YEO M., BAGHAEI M., DOTO D., PRATLONG F., ZEMANOVÁ E., DEDET J., LUKEŠ J., MILES M., 2006. Towards multilocus sequence typing of the *Leishmania donovani* complex: Resolving genotypes and

haplotypes for five polymorphic metabolic enzymes (ASAT, GPI, NH1, NH2, PGD). International Journal for Parasitology 36: 757-769.

**MIHULKA S., PYŠEK P., MARTINKOVÁ J., JAROŠÍK V.**, 2006. Invasiveness of *Oenothera* congeners alien to Europe: Jack of all trades, master of invasion? Perspectives in Plant Ecology, Evolution and Systematics 8: 83-96.

**MOKREJŠ M., VOPÁLENSKÝ V., KOLENATÝ O., MAŠEK T., FEKETOVÁ Z., SEKYROVÁ P., ŠKALOUDOVÁ B., KRÍZ V., POSPÍŠEK M.**, 2006. IRESite: The database of experimentally verified IRES structures (www.iresite.org). Nucleic Acids Research 34: D125-D130.

**MORAVEC F., SCHOLZ T., KUCHTA R., DYKOVÁ I., POSEL P.**, 2006. New data on the morphology of *Nilonema senticosum* (Nematoda, Philometridae), a parasite of *Arapaima gigas* (Pisces), with notes on another philometrid, *Alinema amazonicum*, in Peru. Acta Parasitologica 51: 279-285.

**MOULISOVÁ V., SRBOVÁ M., JEDLIČKOVÁ O., ŠEBESTIÁN J., JEGOROV A.** 2006. Silybin reduces Lipid Peroxidation of Rat Hepatocyte Membrane Caused by Cyclosporin A. Biochemistry 71: 1110-1114.

**NEDBALOVÁ L., VRBA J., FOTT J., KOHOUT L., KOPÁČEK J., MACEK M., SOLDÁN T.**, 2006. Biological recovery of the Bohemian Forest lakes from acidification. Ekológia (Bratislava) 61(Suppl. 20): S453-S465.

**NEDOMA J., GARCÍA J.C., COMERMA M., ŠIMEK K., ARMENGOL J.**, 2006. Extracellular phosphatases in a Mediterranean reservoir: seasonal, spatial and kinetic heterogeneity. Freshwater Biology 51: 1264-1276.

**NEDOMA J., VRBA J.**, 2006. Specific activity of cell-surface acid phosphatase in different bacterioplankton morphotypes in an acidified mountain lake. Environmental Microbiology 8: 1271-1279.

**NOVÁK J., HANEL L., ŘÍČAN O.**, 2006. Formosania: A replacement name for *Crossostoma* Sauvage, 1878 (Teleostei), a junior homonym of *Crossostoma* Morris & Lycett, 1851 (Gastropoda). Cybium 30: 92-92.

**NOVÁK J., KONVIČKA M.**, 2006. Proximity of valuable habitats affects succession patterns in abandoned quarries. Ecological Engineering 26:113-122.

**NOVÁK P., KROFTA K., MATOUŠEK J.**, 2006. Chalcone synthase homologues from *Humulus lupulus*: some enzymatic properties and expression. Biologia Plantarum 50: 48-54.

**NOVOTNÝ V., DROZD P., MILLER S.E., KULFAN M., JANDA M., BASSET Y., WEIBLEN G.D.**, 2006. Why are there so many species of herbivorous insects in tropical rainforests? Science 313: 1115-1118.

**PAKANDL M., JELÍNKOVÁ A.**, 2006. The rabbit coccidium *Eimeria piriformis*: Selection of a precocious line and life-cycle study. Veterinary Parasitology 137: 351-354.

**PAPÁČEK M., BOUKAL S.D., MATĚNA J., PETR J., SOLDÁN T.**, 2006. Vodní hmyz. In: Dudák V. (ed.), Novohradské hory a Novohradské podhůří - příroda, historie, život, Baset, Praha, pp. 203–210.

**PAPÁČEK M., ZETTEL H.**, 2006. A new subgenus and new species of the genus *Mixotrehes* Papáček, Štys & Tonner 1989 (Heteroptera: Helotephidae: Limnotrephini). Aquatic Insects 28: 23-30.

**POKORNÝ P., BOENKE N., CHYTRÁČEK M., NOVÁKOVÁ K., SÁDLO J., VESELÝ J., KUNEŠ P., JANOVSKÁ V.**, 2006. Insight into the environment of a pre-Roman Iron Age hillfort at Vladar, Czech Republic, using a multi-proxy approach. Vegetation History and Archeobotany 15: 419-433.

**PRACH K.**, 2006. Využití samovolné sukcese. In: Jongepierová I., Poková H. (eds.), Obnova travních porostů regionální směsi, ZO ČSOP Bílé Karpaty, Veselí nad Moravou, pp. 7-9.

**PRACH K., ŘEHOUNKOVÁ K.**, 2006. Vegetation succession over broad geographical scales: which factors determine the patterns? Preslia 78: 469-480.

**PRCHALOVA M., VETESNIK L., SLAVIK O.**, 2006. Migrations of juvenile and subadult fish through a fishpass during late summer and fall. Folia Zoologica 55: 162-166.

**PROMNARES K., KOMENDA J., BUMBA L., NEBESÁŘOVÁ J., VÁCHA F., TICHÝ M.**, 2006. Cyanobacterial Small Chlorophyll-binding Protein ScpD (HliB) Is Located on the Periphery of Photosystem II in the Vicinity of PsbH

and CP47 Subunits. Journal of Biological Chemistry 281: 32705-32713.

RAJCHARD J., PROCHÁZKA J., KINDLMANN P., 2006. Long-term decline in Common Swift (*Apus apus*) annual breeding success may be related to weather conditions. *Ornis Fennica* 83: 66-72.

REGO R.O.M., KOVÁŘ V., KOPÁČEK P., WEISE C., MAN P., ŠAUMAN I., GRUBHOFFER L., 2006. The tick plasma lectin, Dorin M, is a fibrinogen-related molecule. *Insect Biochemistry and Molecular Biology* 36: 291-299.

ŘEHOUNKOVÁ K., PRACH K., 2006. Spontaneous vegetation succession in disused gravel-sand pits: Role of local site and landscape factors. *Journal of Vegetation Science* 17: 583-590.

REIF J., HOŘÁK D., SEDLÁČEK O., RIEGERT J., PEŠATA M., HRÁZSKÝ Z., JANEČEK Š., STORCH D., 2006. Unusual abundance-range size relationship in an Afromontane bird community: the effect of geographic isolation? *Journal of Biogeography* 33: 1959-1968.

REJMÁNKOVÁ E., HOUDKOVÁ K., 2006. Wetland plant decomposition under different nutrient conditions: what is more important, litter quality or site quality? *Biogeochemistry* 80: 245-262.

ŘÍČAN O., KULLANDER S.O., 2006. Character- and tree-based delimitation of species in the '*Cichlasoma*' *facetum* group (Teleostei, Cichlidae) with the description of a new genus. *Journal of Zoological Systematics and Evolutionary Research* 44: 136-152.

ŘÍČÁNKOVÁ V., FRIC Z., CHLACHULA J., ŠŤASTNÁ P., FALTYNKOVA A., ZEMEK F., 2006. Habitat requirements of the long tailed ground squirrel (*Spermophilus undulatus*) in the Southern Altai. *Journal of Zoology* 270: 1-8.

RICHARDS R., WU H., TRANTÍREK L., O'CONNOR C., COLLINS K., FEIGON J., 2006. Structural study of elements of Tetrahymena telomerase RNA stem-loop IV domain important for function. *RNA-A Publication of the RNA Society* 12: 1475-1485.

RŮŽEK D., KOPECKÝ J., ŠTĚRBA J., GOLOVCHENKO M., RUDENKO N., GRUBHOFFER L. 2006. Non-virulent strain of TBE virus circulating in the Czech Republic. *Journal of Clinical Virology* 36 (Suppl. 3): S41.

RŮŽEK D., ŠŤASTNÁ H., KOPECKÝ J., GRUBHOFFER L., 2006. Multiplex RT-PCR for detection and subtyping of tick-borne encephalitis virus. *Journal of Clinical Virology* 36 (Suppl. 3): S32.

RŮŽEK D., ŠTĚRBA J., KOPECKÝ J., GRUBHOFFER L., 2006. The supposedly attenuated Hy-HK variant of highly virulent Hypr strain of Tick-borne encephalitis virus is obviously a strain of Langat virus. *Acta Virologica* 50: 277-278.

ŠABACKÁ M., ELSTER J., 2006. Response of cyanobacteria and algae from Antarctic wetland habitats to freezing and desiccation stress. *Polar Biology* 30: 31-37.

SAK B., SALÁT J., HORKÁ H., SAKOVÁ K., DITRICH O., 2006. Antibodies enhance the protective effect of CD4+ T lymphocytes in SCID mice perorally infected with *Encephalitozoon cuniculi*. *Parasite Immunology* 28: 95-99.

SAKOVÁ K., SAK B., DITRICH O., KVÁČ M., 2006. Humoral response of chicken infected with the microsporidium *Encephalitozoon hellem*. *Parasitological Research* 98: 488-492.

SALÁT J., HORKÁ H., SAK B., KOPECKÝ J., 2006. Pure CD4+ T lymphocytes fail to protect perorally infected SCID mice from lethal microsporidiosis caused by *Encephalitozoon cuniculi*. *Parasitology Research* 99: 682-686.

ŠANTRŮČKOVÁ H., KRIŠTUFKOVÁ M., VANĚK D., 2006. Decomposition rate and nutrient release from plant litter of Norway spruce forest in the Bohemian Forest. *Biologia* 61(Suppl 20): S499-S508.

SCHOEFBERGER W., SYCHROVSKY V., TRANTIREK L., 2006. *Quantum chemical calculations of NMR parameters. Computational Studies of RNA and DNA (Challenges and Advances in Computational Chemistry and Physics)*, Springer, USA, pp. 513-536.

SCHREIBER L., ELSHATSHAT S., KOCH K., LIN J., ŠANTRŮČEK J., 2006. AgCl precipitates in isolated cuticular membranes reduce rates of cuticular transpiration. *Planta* 223: 283-290.

SCHUMACHER M., KARAMOOZ E., ZÍKOVÁ A., TRANTÍREK L., LUKEŠ J., 2006. Crystal Structures of *T. brucei* MRP1/MRP2Guide-RNABindingComplex Reveal RNA Matchmaking Mechanism. *Cell* 126: 701-711.

SEDLÁČEK O., CIKÁNOVÁ B., FUCHS R., 2006. Heterospecific rival recognition in Black Redstart (*Phoenicurus ochruros*). *Ornis Fennica* 83: 53-161.

SEDLÁČEK O., HOŘÁK D., RIEGERT J., REIF J., HORÁČEK I., 2006. Comments on Welwitsch's mouse-eared bat (*Myotis welwitschii*) with the first record from Cameroon. *Mammalian Biology* 71: 120-123.

ŠENIGL F., GRUBHOFFER L., KOPECKÝ J., 2006. Differences in maturation of tick-borne encephalitis virus in mammalian and tick cell line. *Intervirology* 49: 239-248.

ŠÍMA J., HOLCOVÁ V., DUŠEK J., DIÁKOVÁ K., 2006. Analytické přístupy ke studiu redoxních vlastností umělého mokřadu. *Chemické listy* 100: 911-918.

ŠIMEK K., HORŇÁK K., JEZBERA J., NEDOMA J., VRBA J., STRAŠKRABOVÁ V., MACEK M., DOLAN J.D., HAHN M.W., 2006. Maximum growth rates and possible life strategies of different bacterioplankton groups in relation to phosphorus availability in a freshwater reservoir. *Environmental Microbiology* 8: 1613-1624.

ŠIMEK M., BRŮČEK P., HYNŠT J., UHLÍŘOVÁ E., PETERSEN S.O., 2006. Effects of excretal returns and soil compaction on nitrous oxide emissions from a cattle overwintering area. *Agriculture Ecosystems and Environment* 112: 186-191.

ŠIMEK M., STEVENS R.J., LAUGHLIN R.J., HYNŠT J., BRŮČEK P., ČUHEL J., PIETOLA L., 2006. Gaseous nitrogen losses from a grassland area used for overwintering cattle. In: *Greenhouse gases and animal agriculture: an update*, Soliva, C.R., Takahashi, J. and Kreuzer, M., (eds.), International Congress Series, Elsevier, pp. 343-346.

ŠIMEK M., COOPER J.E., 2006. Biogeochemical cycles of elements. 2nd Edition, Jihočeská univerzita v Českých Budějovicích, České Budějovice, 97 p.

SIMPSON A.G.B., STEVENS J.R., LUKEŠ J., 2006. The evolution and diversity of kinetoplastid flagellates. *Trends in Parasitology* 22: 168-174.

SIROVÁ D., VRBA J., REJMÁNKOVÁ E., 2006. Extracellular enzyme activities in benthic cyanobacterial mats: comparison between nutrient-enriched and control sites in marshes of northern Belize. *Aquatic Microbial Ecology* 44: 11-20.

ŠKALOUDOVÁ B., KŘIVAN V., ZEMEK R., 2006. Computer-assisted estimation of leaf damage caused by spider mites. *Computers and Electronic in Agriculture* 53: 81-91.

ŠKERÍKOVÁ A., BRABEC J., KUCHTA R., JIMÉNEZ J.A., GARCÍA H.H., SCHOLZ T., 2006. Is the human-infecting *Diphyllobothrium pacificum* a valid species or just a South American population of the holarctic fish broad tapeworm, *D. latum*? *American Journal of Tropical Medicine and Hygiene* 75: 307-310.

ŠLECHTOVÁ V., BOHLEN J., FREYHOF J., RÁB P., 2006. Molecular phylogeny of the Southeast Asian freshwater fish family Botiidae (Teleostei : Cobitoidea) and the origin of polyploidy in their evolution. *Molecular Phylogenetics and Evolution* 39: 529-541.

ŠMÍD O., HORÁKOVÁ E., VILÍMOVÁ V., HRDÝ I., CAMMACK R., HORVÁTH A., LUKEŠ J., TACHEZY J., 2006. Knock-downs of Iron-Sulfur Cluster Assembly Proteins IscS and IscU Down-regulate the Active Mitochondrion of Procyclic *Trypanosoma brucei*. *Journal of Biological Chemistry* 281: 28679-28686.

ŠMILAUEROVÁ M., ŠMILAUER P., 2006. Co-occurring graminoid and forb species do not differ in their root morphological response to soil heterogeneity. *Folia Geobotanica* 41: 121-135.

ŠOBOTNÍK J., WEYDA F., HANUS R., CVAČKA J., NEBESÁŘOVÁ J., 2006. Fat body of *Prorhinotermes simplex* (Isoptera: Rhinotermitidae): ultrastructure, inter-caste differences and lipid composition. *Micron* 37: 648–656.

SOLDÁN T., 2006. *Biogeografie*. In: Dudák V. (ed.), Novohradské hory a Novohradské podhůří - příroda, historie, život, Baset, Praha, pp. 99-104.

SOLDÁN T., 2006. *Ephemeroptera (jepice)*. In: Farkač J., Král D., Škorpík M. (eds.), Červený seznam ohrožených

druhů České republiky. Bezobratlí. Agentura ochrany přírody a krajiny ČR, Praha, pp. 122-124.

**SOLDÁN T., ČERNÝ R., HUSÁK Š., MATĚNA J., MATĚNOVÁ V., PAPÁČEK M., PETR J.**, 2006. Vodní prostředí. In: Dudák V. (ed.), Novohradské hory a Novohradské podhůří - příroda, historie, život, Baset, Praha, pp. 131–138.

**STIBAL M., ŠABACKÁ M., KAŠTOVSKÁ K.**, 2006. Microbial communities on glacier surfaces in Svalbard: Impact of physical and chemical properties on abundance and structure of cyanobacteria and algae. *Microbial Ecology*, 52: 644-654.

**ŠTROJSOVÁ A., VRBA J.**, 2006. Phytoplankton extracellular phosphatases: Investigation using the ELF (Enzyme Labelled Fluorescence) technique. *Polish Journal of Ecology* 54: 715-723.

**STUCHLÍK E., KOPÁČEK J., FOTT J., HOŘICKÁ Z.**, 2006. Chemical composition of the Tatra Mountain lakes: Response to acidification. *Biologia* 61(Suppl. 18): S11-S20.

**SYCHROVSKÝ V., ŠPONER J., TRANTÍREK L., SCHEIDER B.**, 2006. Indirect NMR Spin-Spin Coupling Constants 3J(P,C) and 2J(P,H) across the P-O...H-C Link Can Be Used for Structure Determination of Nucleic Acids. *Journal of the American Chemical Society* 128: 3823-6828.

**SYNKOVÁ H., SCHNABLOVÁ R., POLANSKÁ, L., HUŠÁK M., ŠIFFEL P., VÁCHA F., MALBECK J., MACHÁČKOVÁ I., NEBESÁŘOVÁ J.**, 2006. Three-dimensional reconstruction of anomalous chloroplasts in transgenic ipt tobacco. *Planta* 223: 659-671.

**SZCZYKUTOWICZ A., ADAMSKI Z., HROMADA M., TRYJANOWSKI P.**, 2006. Patterns in the distribution of avian lice (Phthiraptera : Amblycera, Ischnocera) living on the great grey shrike *Lanius excubitor*. *Parasitology Research* 98: 507-510.

**TOMČALA A., TOLLAROVÁ M., OVERGAARD J., ŠIMEK P., KOŠTÁL V.**, 2006. Seasonal acquisition of chill tolerance and restructuring of membrane glycerophospholipids in an overwintering insect: triggering by low temperature, desiccation and diapause progression. *Journal of Experimental Biology* 209: 4102-4114.

**VANCOVÁ M., ZACHAROVÁ K., GRUBHOFFER L., NEBESÁŘOVÁ J.**, 2006. Ultrastructure and lectin characterization of granular salivary cells from *Ixodes ricinus* females. *Journal of Parasitology* 92: 431-440.

**VAŠEK M., KUBEČKA J., MATĚNA J., SEĎA J.**, 2006. Distribution and diet of 0+ fish within a canyon-shaped European reservoir in late summer. *International Review of Hydrobiology* 91: 178-194.

**VÁVRA J., HORÁK A., MODRÝ D., LUKEŠ J., KOUDERA B.**, 2006. *Trachipleistophora extenrec* n. sp a new microsporidian (Fungi : Microsporidia) infecting mammals. *Journal of Eukaryotic Microbiology* 53: 464-476.

**VESELÝ P., VESELÁ S., FUCHS R., ZRZAVÝ J.**, 2006. Are gregarious red-black shieldbugs (*Graphosoma lineatum*, Hemiptera: Pentatomidae) really aposematic? An experimental approach. *Evolutionary Ecology Research* 8: 881-890.

**VONDRAK J., PRACH K.**, 2006. Occurrence of heliophilous species on isolated rocky outcrops in a forested landscape: relict species or recent arrivals? *Preslia* 78: 115-122.

**VONDRAK J., ŠOUN J.**, 2006. An appraisal of the syntype material of *Caloplaca aurantiomurorum* (Teloschistaceae, lichenized fungi). *Mycotaxon* 97: 67-71.

**VRBA J., KOPÁČEK J., BITTL T., NEDOMA J., ŠTROJSOVÁ A., NEDBALOVÁ L., KOHOUT L., FOTT J.**, 2006. A key role of aluminium in phosphorus availability, food web structure, and plankton dynamics in strongly acidified lakes. *Biologia* 61(Suppl. 20): S441-S451.

**VREDENBERG W., KASALICKÝ V., DURCHAN M., PRÁŠIL O.**, 2006. The chlorophyll a fluorescence induction pattern in chloroplasts upon repetitive single turnover excitations: Accumulation and function of Qb- nonreducing centers. *Biochimica et Biophysica Acta - Bioenergetics* 1757: 173-181.

**WEIBLEN G.D., WEBB C.O., NOVOTNÝ V., BASSET Y., MILLER S.E.**, 2006. Phylogenetic dispersion of host use in a tropical insect herbivore. *Ecology* 87: S62-S75.

**WIJOVÁ M., MORAVEC F., HORÁK A., LUKEŠ J.**, 2006. Evolutionary relationships of Spirurina (Nematoda:

Chromadorea: Rhabditida) with special emphasis on dracunculoid nematodes inferred from SSU rRNA gene sequences. International Journal for Parasitology 36: 1067-1075.

WILLAME R., BOUTTE C., GRUBISIC S., WILMOTTE A., KOMÁREK J., HOFFMANN L., 2006. Morphological and molecular characterization of planktonic cyanobacteria from Belgium and Luxembourg. Journal of Phycology 42: 1312-1332.

WRIGHT R.F., AHERNE J., BISHOP K., CAMARERO L., COSBY B.J., ERLANDSSON M., EVANS-C.D., FORSIUS M., HARDEKOPF D.W., HELLIWELL R., HRUŠKA J., JENKINS A., KOPÁČEK J., MOLDAN F., POSCH M., ROGOR A., 2006. Modelling the effect of climate change on recovery of acidified freshwaters: Relative sensitivity of individual processes in the MAGIC model. Science of the Total Environment 365: 154-166.

YONEMURA N., SEHNAL F., 2006. The design of silk fiber composition in moths has been conserved for more than 150 million years. Journal of Molecular Evolution 63: 42-53.

YURCHENKO V., LUKEŠ J., JIRKŮ M., ZELEDÓN R., MASLOV D.A., 2006. *Leptomonas costaricensis* sp. n. (Kinetoplastea: Trypanosomatidae), a member of the novel phylogenetic group of insect trypanosomatids closely related to the genus *Leishmania*. Parasitology 133: 537-546.

YURCHENKO V., LUKEŠ J., XU X., MASLOV D.A., 2006. An Integrated Morphological and Molecular Approach to a New Species Description in the Trypanosomatidae: the Case of *Leptomonas podlipaevi* n. sp., a Parasite of *Boisea rubrolineata* (Hemiptera: Rhopalidae). Journal of Eukaryotic Microbiology 53: 103-111.

ŽDÁRSKÁ Z., NEBESÁŘOVÁ J., 2006. Ultrastructure of the secondary osmoregulatory canals in the scolex and neck region of *Silurotaenia siluri* (Batsch, 1786) (Cestoda: Proteocephalidae). Folia Parasitologica 53: 73-75.

ZEMEK F., HEŘMAN M., KIERDORF H., KIERDORF U., SEDLÁČEK F., 2006. Spatial distribution of dental fluorosis in roe deer (*Capreolus capreolus*) from North Bohemia (Czech Republic) and its relationships with environmental factors. Science of the Total Environment 370: 491-505.

ZÍKOVÁ A., HORÁKOVÁ E., JIRKŮ M., DUNAJČÍKOVÁ P., LUKEŠ J., 2006. The effect of down-regulation of mitochondrial RNA-binding proteins MRP1 and MRP2 on respiratory complexes in procyclic *Trypanosoma brucei*. Molecular and Biochemical Parasitology 149: 65-73.

ZMRHALOVÁ M., PLÁŠEK V., KUČERA J., SHAW B., VÁŇA J. 2006. Bryophytes of the High Sudetes mountain range. In: Environmental changes and biological assessment III., Scripta Facultatis Rerum Naturalium Universitatis Ostraviensis, pp. 157-158.

ZNACHOR P., JURCZAK T., KOMÁRKOVÁ J., JEZBEROVÁ J., MANKIEWICZ J., KAŠTOVSKÁ K., ZAPOMĚLOVÁ E., 2006. Summer changes in cyanobacterial bloom composition and microcystin concentration in eutrophic Czech reservoirs. Environmental Toxicology 21: 236-243.

ZRZAVÝ J., 2006. *Fylogeneze živočišné říše*. Scientia, Praha, 255 p.

ŽUROVCOVÁ M., TATARENKO A., BEREĆ L., 2006. Differences in the pattern of evolution in six physically linked genes of *Drosophila melanogaster*. Gene 381: 24-33.