SOIL ORGANISMS 94 (1) · April 2022 pp. 1–14

OBITUARY

Prof. Josef Rusek (1938–2022)

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Received 28 February 2022 | Accepted 10 March 2022

Published online at www.soil-organisms.de 1 April 2022 | Printed version 15 April 2022

DOI 10.25674/so94iss1id179

Professor Josef Rusek, soil zoologist, ecologist, apterygotologist and university lecturer, died on January 13, 2022, aged 83 years. He has indelibly inscribed himself in the memory of many Czech and international zoologists and entomologists, particularly those specialised in soil zoology, but also more broadly oriented soil biologists and ecologists. His studies of soil invertebrates, especially Collembola, Diplura and Protura, and also the results of his research in soil biology and ecology, soil microstructure and the processes of formation and classification of humus forms, are known not only in the Czech Republic but also abroad.

Josef Rusek was born on 18 July 1938 in Petrovice near Karviná, the Ostrava region. After graduating from high school in Bohumín, he started his studies of biology and chemistry at the Faculty of Science of the Jan Evangelista Purkyně University (now the Masaryk University) in Brno, where he specialized in zoology. He had been interested in nature since his childhood, so his university studies were a logical continuation of his interests. He grew up under the leadership of Professor Sergei Hrabě (specialist in small oligochaete worms), in the team of several other zoologists and botanists, who represented lately a significant generation in Czech science and university education. His interest in the so-called primitive groups of insects (Apterygota) led him to Professor Karel Absolon (famous palaeontologist, speleologist and biospeleologist), and resulted in a whole-life study of springtails and some other groups of soil invertebrates.

In 1963 he started his postgraduate studies at the Institute of Entomology of the Czechoslovak Academy of Sciences in Prague, where he completed an ecological-taxonomic study of larvae and adults of elaterid beetles. Simultaneously he continued his studies on springtails and other groups of soil fauna. Gradually, he began to pay attention to the issues of interrelationships between organisms and the environment, soil biology and ecology. In ecological studies, he also used hitherto non-traditional methods enabling the evaluation of micromorphological parameters of soil materials or the soil-forming activities of the soil dwelling fauna. An important milestone for him was a scholarship for a stay

Figure 1. Josef Rusek (2018). Photo: archive of the Institute of Soil Biology.

ISSN 1864-6417 (print) · **ISSN** 2509-9523 (online)

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in Canada and repeated internships in Cuba. At that time he had become an internationally recognized expert in the study of springtails, proturans and various aspects of soil ecology.

In 1979, he moved from Prague to the Institute of Landscape Ecology of the Czechoslovak Academy of Sciences in České Budějovice, where he was given the opportunity to build up an independent soil biological research unit. His efforts were completed in 1986, when the originally Laboratory, later the Department of Soil Biology, became the independent Institute of Soil Biology. Thanks to him, this workplace gradually became an internationally recognized centre of soil-biological research. As the director of this institute, he actively worked until 1998.

He founded the tradition of soil zoological meetings, which were held in České Budějovice under the name 'Central European Workshop on Soil Zoology'. In 2000 he was responsible for organising and hosting the XIIIth International Colloquium on Soil Zoology together with Xth International Colloquium on Apterygota. During his scientific career, he has actively participated in a number of soil zoological meetings, conferences and congresses. He collaborated with many scientists from all over the world and had a long friendship with many of them.

An important part of his scientific work represented the description of new genera and species of springtails, proturans and diplurans. In a part of his studies, he dealt with the influence of soil fauna on soil properties, aspects related to biological activity of soils and the possibilities of their use in the ecological assessment of soil condition and degradation. His studies related to soil and humus micromorphology are also well known. He also did not forget to publish and comment on the results of research and new findings in popular science Czech magazines.

In addition to his scientific career, he was active as a university teacher at the universities of Olomouc, Brno, Vienna and České Budějovice. He was an active member of several scientific societies and boards of scientific and popular journals.

His large collection of microscopic specimens of studied groups of soil invertebrates, including type material is stored at the Institute of Soil Biology of the Biology Centre CAS in České Budějovice. An important part of the collection consists of series of microscopic specimens from extensive ecological studies. His collection also hosts identified material of springtails from ecological studies stored in alcohol, all with potential for future taxonomic, morphological and/or ecological studies.

Figure 2. Historical leading personalities of Apterygotology: from left prof. Wolfram Dunger (State Museum of Natural History Görlitz, Germany), prof. Josef Rusek and prof. Andrzej Szeptycki (Institute of Systematics and Evolution of Animals PAS Kraków, Poland), during the farewell dinner, August 24, 2000; X. International Colloquium on Apterygota, August 21–24, 2000, České Budějovice. Photo: Archive of the Institute of Soil Biology.

Contribution of Josef Rusek to the taxonomy of soil invertebrates

In the course of his taxonomic research, Josef Rusek discovered and newly described 34 taxa of Protura (5 genera and 29 species), 11 taxa of Diplura (one genus and 10 species) and 135 taxa of Collembola (21 genera and 114 species). The following list presents the taxa described by Josef Rusek including their valid taxonomic position.

Order Protura

Genera:
Filientomon Rusek, 1974
Imadateiella Rusek, 1974
Nosekiella Rusek, 1974
Verrucoentomon Rusek, 1974
Vesiculentomon Rusek, 1974

Species:
Acerentomon aceris Rusek, 1965
Acerentomon fageticola Rusek, 1966
Acerentomon hylophilum Rusek, 1966
Acerentomon novaki Rusek, 1965
Acerentomon skuhravyi Rusek, 1965
Acerentulus apuliacus Rusek & Stumpp, 1988
Acerentulus ochsenhausenus Rusek, 1988
Acerentulus terricola Rusek, 1965
Acerentulus tuxeni Rusek, 1966
Eosentomon bohemicum Rusek, 1966
Eosentomon fichteliense Rusek, 1988
Eosentomon foliaceum Rusek, 1988
Eosentomon funkei Rusek, 1988
Eosentomon kamenickiense Rusek, 1974
Eosentomon pratense Rusek, 1973
Eosentomon stachi Rusek, 1966
Eosentomon stumppi Rusek, 1988
Ionescuellum silvaticum (Rusek, 1965) junior syn. of *Hesperentomon silvaticum* Rusek, 1965
Ionescuellum ulmiacum Rusek & Stumpp, 1989
Nipponentomon bifidum Rusek, 1974
Nipponentomon kevani Rusek, 1974
Proturentomon noseki Rusek, 1975
Proturentomon pilosum Rusek, 1975
Sugaentulus andrzeji Shrubovych & Rusek, 2010
Vesiculentomon marshalli Rusek, 1974
Yavanna babenkoi Shrubovych & Rusek & Bernard, 2012
Yavanna baikalica Shrubovych & Rusek & Bernard, 2012
Yavanna chimitovae Shrubovych & Rusek & Bernard, 2012
Yavanna stebaevae Shrubovych & Rusek & Bernard, 2012

Order Diplura

Genus:
Octostigma Rusek, 1982

Species:
Campodea (*Dicampa*) *caucasica* Rusek, 1965
Campodea (*Dicampa*) *condei* Rusek, 1965
Campodea (*Dicampa*) *crimeaensis* Rusek, 1965
Campodea (*Dicampa*) *chionea* Rusek, 1966
Campodea (Campodea) donensis Rusek, 1965
Campodea (Campodea) ghilarovi Rusek, 1965
Campodea (Campodea) kasiki Rusek, 1964
Campodea wygodzinskii Rusek, 1966
Octostigma herbivora Rusek, 1982
Plusiocampa rauseri Rusek, 1965 junior syn. of *Plusiocampa* (*Stygiocampa*) *bureschi* Silvestri, 1931

Order Collembola

Genera:
Bathyterra Rusek, 1996 junior syn. of *Mucrosomia* Bagnall, 1949
Blissia Rusek, 1985
Chaetophorura Rusek, 1976 junior syn. of *Tullbergia*, Lubbock, 1876
Chinogastrura Rusek, 1967 junior syn. of *Ceratophysella* Börner in Brohmer, 1932
Doutnacia Rusek, 1974
Fissuraphorura Rusek, 1991
Granuliphorura Rusek, 1976 junior syn. of *Tullbergia*, Lubbock, 1876
Jesenikia Rusek, 1997
Jevania Rusek, 1978
Karlstejnia Rusek, 1974
Lanzhotia Rusek, 1985
Marcuzziella Rusek, 1975
Multivesicula Rusek, 1982
Pongeiella Rusek, 1991
Pratanurida Rusek, 1973
Rotundiphorura Rusek, 1991
Sensiphorura Rusek, 1976
Sibirisotoma Rusek, 1991 junior syn. of *Heteroisotoma* Stach, 1947
Tasphorura Greenslade & Rusek, 1996
Tiancanthella Rusek, 1979
Wankeliella Rusek, 1975

Species:
Allonychiurus shanghaiensis (Rusek, 1971) = *Onychiurus shanghaiensis* Rusek, 1971
Anurida balatovae Rusek, 1970
Appendisotoma absoloni (Rusek, 1966) = *Proisotoma absoloni* Rusek, 1966
Arrhopalites pseudoappendices Rusek, 1967 = *Pygmarrhopalites pseudoappendices* (Rusek, 1967)
Arrhopalites spinosus Rusek, 1967 = *Pygmarrhopalites spinosus (*Rusek, 1967)
Arrhopalites ulehlovae Rusek, 1970
Bathyterra bipartita Rusek, 1996 = *Mucrosomia bipartita* (Rusek, 1996)
Blissia glabra Rusek, 1985
Ceratophysella silvatica Rusek, 1964
Chaetophorura vancouverica Rusek, 1976
Chinogastrura punctata Rusek, 1967 junior syn. of *Ceratophysella duplicispinosa* (Yosii, 1954)
Coloburella cassagnaui Rusek, 1972
Cyphoderus hrdyi Rusek, 1971
Cyphoderus komareki Rusek, 1961
Cyphoderus monopterus Rusek, 1981
Deuteraphorura jitkae (Rusek, 1964) = *Onychiurus jitkae* Rusek, 1964
Doutnacia xerophila Rusek, 1974
Drepanura pallens Rusek, 1981
Entomobrya mesopotamica Rusek, 1971
Fissuraphorura cubanica Rusek, 1991
Fissuraphorura deharvengi Rusek, 1991
Folsomia hrabei Rusek, 1984
Folsomia lawrencei Rusek, 1984 junior syn. of *Folsomia listeri* Bagnall, 1939
Folsomia monosetosa Rusek, 1966 junior syn. of *Folsomia quadrioculata* (Tullberg, 1871)
Friesea massoudi Rusek, 1973
Friesea truncatopilosa Rusek, 1971
Grananurida baicalica Rusek, 1991
Granuliphorura obtusochaeta Rusek, 1976 = *Tullbergia obtusochaeta* (Rusek, 1976)
Hypogastrura verruculata Rusek, 1967
Isotomiella gracilimucronata Rusek, 1981
Isotomurus beskidensis Rusek, 1963
Isotomurus quadrisetosus Rusek, 1971
Jesenikia filifornis Rusek, 1997
Jevania fageticola Rusek, 1978
Jevania weinerae Rusek, 1978
Karlstejnia annae Rusek, 1974
Karlstejnia montana Rusek, 1978
Karlstejnia sibirica Rusek, 1978
Lanzhotia brachycera Rusek, 1985
Lepidocyrtus sibiricus Rusek, 1985
Lepidocyrtus szeptyckii Rusek, 1985
Lepidocyrtus uzeli Rusek, 1985
Marcuzziella tripartita Rusek, 1975
Mesaphorura atlantica Rusek, 1979
Mesaphorura betschi Rusek, 1979
Mesaphorura hygrophila (Rusek, 1971) = *Tullbergia* (*Mesaphorura*) *hygrophila* Rusek, 1971
Mesaphorura hylophila Rusek, 1982
Mesaphorura italica (Rusek, 1971) = *Tullbergia* (*Mesaphorura*) *italica* Rusek, 1971
Mesaphorura jarmilae Rusek, 1982
Mesaphorura jevanica Rusek, 1996
Mesaphorura jirii Rusek, 1982
Mesaphorura macrochaeta Rusek, 1976
Mesaphorura massoudi Rusek, 1979
Mesaphorura pacifica Rusek, 1976
Mesaphorura pongei Rusek, 1982
Mesaphorura rudolfi Rusek, 1986
Mesaphorura sensibilis Rusek, 1973
Mesaphorura sylvatica (Rusek, 1971) = *Tullbergia* (*Mesaphorura*) *sylvatica* Rusek, 1971
Mesaphorura tenuisensillata Rusek, 1974
Mesaphorura yosii (Rusek, 1967) = *Tullbergia* (*Mesaphorura*) *yosii* Rusek, 1967
Micranurida hygrophila Rusek, 1973
Multivesicula columbica Rusek, 1982
Multivesicula dolomitica Rusek, 1982
Multivesicula giljarovi Rusek, 1982
Multivesicula punctata Rusek, 1982
Neanura pseudoparva Rusek, 1963
Neonaphorura moravica (Rusek, 1966) = *Tullbergia* (*Neonaphorura*) *moravica* Rusek, 1966
Onychiuroides hrabei (Rusek, 1963) = *Onychiurus hrabei* Rusek, 1963
Onychiuroides quadripapillatus (Rusek, 1965) = *Onychiurus quadripapillatus* Rusek, 1965
Onychiurus arvensis Rusek, 1979 junior syn. of *Onychiurus rectospinatus* Stach, 1922
Paleonura angustior (Rusek, 1971) = *Neanura angustior* Rusek, 1971
Parisotoma greensladeae (Rusek, 1984) = *Isotoma greensladeae* Rusek, 1984
Paristoma reducta (Rusek, 1984) = *Istoma reducta* Rusek, 1984
Parisotoma terricola (Rusek, 1984) = *Isotoma terricola* Rusek, 1984
Plutomurus carpaticus Rusek & Weiner, 1978
Pongeiella falca subsp. *europea* Rusek, 1991
Pratanurida cassagnaui Rusek, 1973
Proisotoma fraterna Rusek, 1967
Protaphorura unari Rusek, 1995
Pseudachorutes columbicus Rusek, 1991
Pseudachorutes pratensis Rusek, 1973
Pseudachorutes sibiricus Rusek, 1991
Pseudosinella absoloni Rusek, 1967

Pseudosinella baghdadica Rusek, 1981
Pseudosinella bohemica Rusek, 1979
Pseudosinella hercynica Rusek, 1979
Pseudosinella horaki Rusek, 1985
Pseudosinella hrabei Rusek, 1979
Pseudosinella marcuzzii Rusek, 1985
Pseudosinella noseki Rusek, 1985
Pseudosinella paclti Rusek, 1961
Pseudosinella staryi Rusek, 1981
Pseudosinella tridentifera Rusek, 1971
Rotundiphorura habanica Rusek, 1991
Seira tigridica Rusek, 1981
Sensillonychiurus eisi (Rusek, 1976) = *Onychiurus eisi* Rusek, 1976
Sensiphorura marshalli Rusek, 1976
Heteroisotoma stebajevae (Rusek, 1991) = *Sibirisotoma stebajevae* Rusek, 1991
Sminthurinus cantonensis Rusek, 1971
Sminthurinus carpathicus Rusek, 1966 junior syn. of *Sminthurinus gisini* Gama, 1965
Sminthurus bulgaricus Rusek, 1965 junior syn. of *Sminthurus flaviceps* (Tullberg, 1871)
Sphaeridia asiatica Rusek, 1971
Superodontella delamarei (Rusek, 1991) = *Odontella* (*Superodontella*) *delamarei* Rusek, 1991
Tantulonychiurus foliatus (Rusek, 1967) = *Onychiurus foliatus* Rusek, 1967
Tasphorura vesiculata Greenslade & Rusek, 1996
Tetracanthella gruiae Rusek, 1979
Tetracanthella pacifica Rusek & Marshall, 1977
Thalassaphorura petaloides (Rusek, 1981) = *Onychiurus petaloides* Rusek, 1981
Tiancanthella martynovae Rusek, 1979
Tullbergia harti (Rusek, 1991) = *Mulivesicula harti* Rusek, 1991
Vitronura latior (Rusek, 1967) = *Neanura latior* Rusek, 1967
Wankeliella mediochaeta Rusek, 1975
Wankeliella peterseni Rusek, 1975
Wankeliella pongei Rusek, 1978

Order Coleoptera

Species:
Dryops rudolfi Rusek, 1973 junior syn. of *Dryops auriculatus* (Geoffroy, 1785)

Contributions to the taxonomy of soil invertebrates in honour of Josef Rusek

His contribution to the taxonomy of Protura, Diplura and Collembola was honoured by a number of authors, and four species of Protura, one species of Diplura and two genera and five species of Collembola were named after him.

Order Protura

Species:
Acerentulus ruseki Nosek, 1967
Amphientulus ruseki (Nosek, 1978)
Eosentomon rusekianum Stumpp & Szeptycki, 1989
Nosekientomon ruseki (Nosek, 1977)

Order Diplura

Species:
Campodea (Paurocampa) ruseki Conde, 1966

Order Collembola

Genera:
Rusekella Deharveng, 1982
Rusekianna Betsch 1977

Species:
Desoria ruseki (Fjellberg, 1979)
Karlstejnia rusekiana Weiner, 1983
Mesaphorura ruseki (Christiansen & Bellinger, 1980)
Pygmarrhopalites ruseki (Nosek, 1975)
Stachorutes ruseki Kováč, 1999

Publication list of Josef Rusek

The following publication list involves scientific and main popularising papers published by Josef Rusek. Beside them, his complete bibliography involves also a row of abtracts and other short communications, as well as reports mostly in Czech (e.g. in newspapers) related to soil and plant protection and other aspects of soil biology and ecology.

Brůhová, J. & J. Rusek (2005): Epigeic activity of eight common Collembola species in spruce forests and clearings after bark beetle outbreaks in the Šumava National Park, Czech Republic. – In: Tajovský, K., J. Schlaghamerský &

V. Pižl (eds): Contributions to Soil Zoology in Central Europe I. ISB AS CR, České Budějovice: 1–5.

Brussard, L., V. M. Behan-Pelletier, D. E. Bignall, V. K. Brown, W. A. M. Didden, P. J. Folgarait, C. Fragoso, D. W. Freckman, V. V. S. R. Gupta, T. Hattori, D. L. Hawksworth, C. Klopatek, P. Lavelle, D. Malloch, J. Rusek, B. Söderström, J. M. Tiedje & R. A.Virginia (1997): Biodiversity and ecosystem functioning in soil. – Ambio **26**: 563–570.

Bucha, V., M. Kopecký & J. Rusek (eds) (1988): Geosféra - biosféra - globální změny [Geosphere - Biosphere - Global change, International ICSU – Programme]. – Mezinárodní program ICSU. Sborník referátů z přípravné konference. Astronomický ústav ČSAV, Ondřejov, 88 pp. [in Czech]

Čápová, L. & J. Rusek (2007): Litter attractivity for soil gamasid mites (Acarina, Gamasida) litterbag decomposition experiment. – In: Tajovský, K., J. Schlaghamerský & V. Pižl (eds): Contributions to Soil Zoology in Central Europe II. Proceedings of the 8th Central European Workshop on Soil Zoology. České Budějovice, ISB BC AS CR: 11–14.

Dyer, M. J., F. Eybergen, R. Jongman, W. Odum, L. Pinto, R. Pract & J. Rusek (1989): The role of land/inland water ecotones in studying global change. – In: Naiman, R., H. Décamps & F. Fournier (eds): Role of land/inland water ecotones in landscape management and restoration. A proposal for collaborative research. MAB Digest **4**: 69–72.

Fanciulli, P. P., F. Frati, R. Dallai & J. Rusek (1991): High genetic divergence among populations of *Tetrodontophora bielanensis* (Insecta, Collembola) in Europe. – Révue d´Ecologie et Biologie du Sol **28**: 165–173.

Farská, J., K. Jínová, J. Jirout, J. Petrásek, L. Čápová, J. Rusek, V. Krištůfek, D. Elhottová & J. Starý (2009): Microarthropods and microbial participation in oak and beech litter decomposition. – In: Tajovský, K., J. Schlaghamerský & V. Pižl (eds): Contributions to Soil Zoology in Central Europe III. Proceedings of the 9th Central European Workshop on Soil Zoology. – České Budějovice, Institute of Soil Biology BC AS CR: 25–28.

Farská, J., K. Prejzková & J. Rusek (2013): Spruce monoculture establishment affects functional traits of soil microarthropod communities. – Biologia **68**: 479–486.

Farská, J., K. Prejzková & J. Rusek (2014): Management intensity affects traits of soil microarthropod community in montane spruce forest. – Applied Soil Ecology **75**: 71–79.

Farská, J., K. Prejzková, J. Starý & J. Rusek (2014): Soil microarthropods in non-intervention montane spruce forest regenerating after bark-beetle outbreak. – Ecological Research **29**: 1087–1096.

Frouz, J., B. Keplin, V. Pižl, K. Tajovský, J. Starý, A. Lukešová, A. Nováková, V. Balík, L. Háněl, J. Materna, Ch. Düker, J. Chalupský, J. Rusek & T. Heinkele(2001). Soil biota and upper soil layer development in two contrasting post-mining chronosequences. – Ecological Engineering **17**: 275–284.

Greenslade, P. & J. Rusek (1996): *Tasphorura*, a new genus of Tullbergiinae (Collembola: Onychiuridae) abundant in Tasmanian *Nothofagus* forest. – Systematic Entomology **21**: 27–38.

Herben, T., K. Prach & J. Rusek (1992): Actual topics in the ecotone research: data and concepts. – Ekológia (Bratislava) **11**: 325–327.

Hooper, D. U., D. E. Bignell, V. K. Brown, L. Brussaard, J. M. Dangerfield, D. H. Wall, D. A. Wardle, D. C. Coleman, K. E. Giller, P. Lavelle, W. H. van der Putten, P. C. de Ruiter, J. Rusek, W. L. Silver, J. M. Tiedje & V. Wolters (2000): Interactions between aboveground and belowground biodiversity in terrestrial ecosystems: Patterns, mechanisms, and feedbacks. – BioScience **50**: 1049–1061.

Jínová, K. & J. Rusek (2007): Litter attractivity for soil Collembola in litterbag decomposition experiment. – In: Tajovský, K., Schlaghamerský, J. & V. Pižl (eds): Contributions to Soil Zoology in Central Europe II. ISB BC AS CR, v.v.i., České Budějovice: 69–74.

Jirásek, J., J. Rusek & B. Úlehlová (1982): Půdy jižních Čech [Soils of South Bohemia]. – In: Skuhravý, V. (ed.): Jižní Čechy, životní prostředí a jeho ochrana. JČN, České Budějovice: 59–66. [in Czech]

Jirout, J., J. Petrásek, L. Čápová, J. Farská, K. Jínová, J. Rusek, V. Krištůfek, D. Elhottová, J. Starý & A. Nováková (2005): Changes in communities of soil microflora and mesofauna during leaf litter decomposition in two vegetation zones – litterbag experiment. – In: Voříšek, K. (ed.): International Symposium Life in soil VI. Czech Agricultural University of Prague, Prague: 54–67.

Jirout, J., J. Petrásek, D. Elhottová, V. Krištůfek, A. Nováková & J. Rusek (2004): Application of microbial identification system (Sherlock MIS) for identification of forest litter bacterial strains – preliminary results. – In: Chroňáková, A., V. Krištůfek, D. Elhottová & S. Malý (eds): Present methods for investigation of microbial community biodiversity in soils and substrates. Proc. 9th Methodological workshop, ISB AS CR, České Budějovice: 47–51.

Kováč, L. & J. Rusek (2012): Redescription of two troglobiotic species of the genus *Pseudosinella* Schäffer, 1897 (Collembola, Entomobryidae) from the Western Carpathians. – Zootaxa (**3341**): 32–45.

Kubíková, J. & J. Rusek (1975): Ecological characteristics of xerothermic rendzinas. – In: Vaněk, J. (ed.): Progress in Soil Zoology, Proceedings of the 5th International Colloquium on Soil Zoology, Academia Publishing House of the Czechoslovak Academy of Sciences, Prague: 59–75.

Kubíková, J. & J. Rusek (1976): Development of xerothermic rendzinas. – Rozpravy ČSAV **86**: 1–78.

Novák, K., J. Rusek & V. Skuhravý (1980): Vlijanije pesticidov na entomofaunu i počvennuju faunu [Pesticide impact on insects and soil fauna]. – In: Huba, A. (ed.): Razrabotka integrirovannych metod zaščity rastěnij. Materiály simpoziuma po těmě SEV 1-8. IX. Smolenice, Nojabr 1978 g. Inst. eksper.

Fitopat. i Entomol. Slovackoj AN, Ivanka pri Dunaji: 57–63. [in Russian]

Paclt, J. & J. Rusek (1960): *Campodea suensoni* Tuxen (Insecta, Diplura) členem beskydské zvířeny. – Publications Facultatis Scientiare Universitatis J. E. Purkyně Brno **415**: 279–283. [in Czech with German summary]

Pižl, V., J. J. Rusek Starý & K. Tajovský (2004): Půdní fauna – modelové skupiny [Soil fauna – model groups]. – In: Papáček, M. (ed.): Biota Novohradských hor: modelové taxony, společenstva a biotopy. Jihočeská univerzita, České Budějovice: 177–183. [in Czech]

Pižl, V., J. J. Rusek Starý & K. Tajovský (2006): Půdní fauna [Soil fauna]. – In: Novohradské hory a novohradské podhůří – příroda, historie, život. Baset: 209–212. [in Czech]

Prach, K., J. Hruška, M. Jonášová, J. Kopáček, J. Rusek, K. Spitzer, H. Šantrůčková & J. Vrba (2009a): Vyjádření vědců k situaci v NP Šumava [Statements of scientists on the situation in the Šumava National Park]. – *Šumava: čtvrtletník* správy NP a CHKO Šumava - příroda - zajímavosti – historie **14**: 14–15. [in Czech]

Prach, K., J. Hruška, M. Jonášová, J. Kopáček, J. Rusek, K. Spitzer, H. Šantrůčková & J. Vrba (2009b): Vyjádření vědců k situaci v NP Šumava [Statements of scientists on the situation in the Šumava National Park]. – Živa **57**: p. XVII. [in Czech]

Rusek, J. (1959a): Nové nálezy druhu rodu *Onychiurus* (Collembola) v ČSR [New records of the species of the genus *Onychiurus* (Collembola) in Czechoslovakia]. – Sborník Klubu přírodovědeckého **31**: 95. [in Czech]

Rusek, J. (1959b): Příspěvek k poznání Apterygot jižních Čech. Beitrag zur Kenntnis der Apterygoten – Fauna Süd – Böhmens. – Časopis Národního musea (oddíl přírodovědný) **2**: 130–135. [in Czech with German summary]

Rusek, J. (1960): K poznání Apterygot Moravskoslezských Beskyd [To the knowledge of Apterygota of the Moravskoslezské Beskydy Mts.]. – Publications Facultatis Scientiare Universitatis J. E. Purkyně Brno **415**: 285–302. [in Czech with German summary]

Rusek, J. (1961a): Eine neue Collembolenart aus den slowakischen Höhlen. – Beiträge zur Entomologie, Berlin **11**: 21–23.

Rusek, J. (1961b): Zur Kenntnis der Collembolen (Insecta: Apterygota) des Kaukasus. – Publications Facultatis Scientiare Universitatis J. E. Purkyně Brno **416**: 147–155.

Rusek, J. (1963a): Druhý příspěvek k poznání fauny Apterygot Moravskoslezských Beskyd. Zweiter Beitrag zur Kenntnis der Apterygoten-Fauna der mährisch-schlesischen Beskiden. – Acta Musei Silesiae **12** (A): 21–35. [in Czech with German summary]

Rusek, J. (1963b): K poznání Collembol (Insecta, Apterygota) Vihorlatu. Zur Kenntnis der Collembolen des Vihorlat-Gebirges. – Publications Facultatis Scientiare Universitatis J. E. Purkyně Brno **444**: 263–286. [in Czech with German summary]

Rusek, J. (1964a): K poznání fauny Apterygot Karvinska. Zur Kenntnis der Apterygotenfauna des Karvina-Bezirkes. – Acta Musei Silesiae **13**: 49–62. [in Czech with German summary]

Rusek, J. (1964b): K poznání společenstev Apterygot v západní **části** Tatranského Národního Parku (A contribution to the knowledge of Apterygota in the western part of the Tatra National Park). – Sborník Prác o Tatranskom Národnom Parku **7**: 218–226. [in Czech with Russian, English and German summary]

Rusek, J. (1964c): Über die Diplura (Apterygota) der Tschechoslowakei. – Acta Societatis Zoologicae Bohemoslovacae **28**: 134–154.

Rusek, J. (1964d): Zur Variabilität einiger morphologischen Merkmale bei *Onychiurus pseudostachianus* Gisin, 1956 (Collembola: Apterygota). – Acta Societatis Zoologicae Bohemoslovacae **28**: 44–47.

Rusek, J. (1964e): Zwei neue Collembolenarten aus der Mittel-Slowakei (ČSSR). **–** Zoologische Anzeiger **173**: 432–440.

Rusek, J. (1965a): Beitrag zur Collembolen-Fauna Bulgariens. – Acta Universitatis Carolinae-Biologica: 179–191.

Rusek, J. (1965b): Kampodei (Campodeidae, Diplura) jugo-vostoka Evropy [Campodea (Campodeidae, Diplura) of the South-East Europe]. – Zoologičeskij žurnal **XLIV**: 1345–1356. [in Russian with English summary]

Rusek, J. (1965c): Soil and caves as the environment of animal life. – Separatum: Problems of the Speological research Prague: 163–166.

Rusek, J. (1965d): Zur Kenntnis der Apterygoten-Fauna des Gebirges Krupinská vrchovina in der Mittel-Slovakei. – Acta Faunistica Entomologica Musei Nationalis Pragae **11**: 151–164.

Rusek, J. (1965e): Zur Kenntnis der Campodeidae (Diplura) Bulgariens. – Acta Entomologica Bohemoslovaca **62**: 92–97.

Rusek, J. (1965f): Zur Proturen-Fauna der Tschechoslovakei. – Acta Societatis Zoologicae Bohemoslovacae **29**: 223–235.

Rusek, J. (1966a): Eine neue *Sminthurinus*-Art aus der Mittel-Slowakei. – Acta Entomologica Bohemoslovaca **63**: 25–26.

Rusek, J. (1966b): Einige Collembolen-Arten aus der Tschechoslowakei. – Acta Societatis Zoologicae Bohemoslovacae **30**: 54–64.

Rusek, J. (1966c): Einige neue und interessante Proturen- und Dipluren-Arten aus der Tschechoslowakei (Apterygota). – Acta Entomologica Bohemoslovaca **63**: 348–372.

Rusek, J. (1966d): Kovaříkovití (Elateridae) polních kultur v Československu [Elateridae of the field cultures in Czechoslovakia]. – Konference o škůdcích okopanin II, Praha 1966, Entomologický ústav ČSAV: 85–86. [in Czech]

Rusek, J. (1967a): Beitrag zur Kenntnis der Collembola (Apterygota) Chinas. – Acta Entomologica Bohemoslovaca **65**: 184–194.

Rusek, J. (1967b): Dva nové druhy rodu *Arrhopalites* (Collembola) ze středního Slovenska [Two new species of the gewnus *Arrhopalites* (Collembola) from central Slovakia]. – Acta Musei Silesiae **16** (A): 23–28. [in Czech with German summary]

Rusek, J. (1968a): Collembola - Chvostoskoci [Collembola - Springtails]. – In: Skuhravý, V. (ed.): Metody chovu hmyzu [Rearings of insects], Academia, Praha: 54–58. [in Czech]
Rusek, J. (1968b): Drátovci – škůdci plodin [Wireworms – crop pests]. – Živa **16**: 101–103. [in Czech]
Rusek, J. (1968c): Elateridae - Kovaříkovití [Elateridae – Elaterid beetles]. – In: Skuhravý, V. (ed.): Metody chovu hmyzu [Rearings of insects], Academia, Praha: 237–240. [in Czech]
Rusek, J. (1968d): Die Apterygotengemeinschaft der *Acereto-fraxinetum*-Waldassociation des Mährischen Karstes. – Acta Societatis Zoologicae Bohemoslovacae **32**: 237–261.
Rusek, J. (1968e): Documenta apterygotologica. – Entomologický *ústav* ČSAV, Praha: 1–26.
Rusek, J. (1968f): Druhové složení larev kovaříků (Elateridae) v polních kulturách Československa [Wireworms of fields in Czechoslovakia]. – Konference o *škůdcích* okopanin III., Entomologický *ústav* ČSAV, Praha: 43–46. [in Czech]
Rusek, J. (1969a): Hmyzenky - Protura. Vidličnatky - Diplura. Chvostoskoci - Collembola. Šupinatky - Thysanura. – In: Novák, K. (ed.): Metody sběru a preparace hmyzu [Methods of collecting and mounting of insects], Academia, Praha: 104–113. [in Czech]
Rusek, J. (1969b): Mořské akvárium [Sea aquarium]. – Živa **17**: 26–27. [in Czech]
Rusek, J. (1969c): Mořské akvárium II. [Sea aquarium II]. – Živa **17**: 66–67. [in Czech]
Rusek, J. (1969d): Mořské akvárium III. [Sea aquarium III]. – Živa **17**: 106–107. [in Czech]
Rusek, J. (1969e): Mořské akvárium IV. [Sea aquarium IV]. – Živa **17**: 148–151. [in Czech]
Rusek, J. (1969f): Mořské akvárium V. [Sea aquarium V]. – Živa **17**: 184–185. [in Czech]
Rusek, J. (1969g): Mořské akvárium VI. [Sea aquarium VI]. – Živa **17**: 227–229. [in Czech]
Rusek, J. (1970a): Mořské akvárium VII. [Sea aquarium VII]. – Živa **18**: 27–29. [in Czech]
Rusek, J. (1970b): Mořské akvárium VIII. [Sea aquarium VIII]. – Živa **18**: 67–68. [in Czech]
Rusek, J. (1970c): Mořské akvárium IX. [Sea aquarium IX]. – Živa **18**: 107–109. [in Czech]
Rusek, J. (1970d): Mořské akvárium X. [Sea aquarium X]. – Živa **18**: 146–149. [in Czech]
Rusek, J. (1970e): Research on soil mesofauna in three types of lowland meadows. Productivity of terrestrial ecosystem. – PT - PP Report No. 1 (1964-1969), Academia, Praha: 61–62.
Rusek, J. (1970f): Wir bestimmen mitteleuropäische Schnellkäfer. – Mikrokosmos **59**: 324–327.
Rusek, J. (1970g): Zwei neue Collembolen-Arten von den Überschwemmungswiesen in Südmähren. – Acta Societatis Zoologicae Bohemoslovacae **34**: 309–316.
Rusek, J. (1970h): Živočišstvo jeskyň Moravského krasu [Cave animals of the Moravian Karst]. – In: Absolon, K. (ed.): Moravský kras II. Academia, Praha: 308–310. [in Czech]
Rusek, J. (1971a): Zur Taxonomie der *Tullbergia* (*Mesaphorura*) *krausbaueri* (Börner) und ihre Verwandten (Collembola). – Acta Entomologica Bohemoslavaca **68**: 188–206.
Rusek, J. (1971b): Zweiter Beitrag zur Kenntnis der Collembola (Apterygota) Chinas. – Acta Entomologica Bohemoslovaca **68**: 108–137.
Rusek, J. (1972a): *Agriotes brevis* und *Agriotes sordidus* (Coleoptera, Elateriadae) – Schädlinge in N-Italien. – Redia **53**: 321–329.
Rusek, J. (1972b): *Coloburella linnaniemii* (Denis) und *Coloburella cassagnaui* sp. n. (Collembola). – Acta Societatis Zoologicae Bohemoslovacae **36**: 275–279.
Rusek, J. (1972c): Die Collembolen-Fauna der Höhlen des Mährischen Karstes. – Acta Societatis Zoologicae Bohemoslovacae **36**: 54–72.
Rusek, J. (1972d): Die mitteleuropäische *Agriotes*- und *Ectinus*-Arten (Coleoptera, Elateridae), mit besonderer Berücksichtigung von *A. brevis* und den in Feldkulturen lebenden Arten. – Rozpravy ČSAV, Academia, Praha **82**: 1–90.
Rusek, J. (1972e): Jeskynní zvířena Moravského krasu [Cave animals of the Moravian Karst]. – Živa 20: 64–65. [in Czech]
Rusek, J. (1972f): Über Aktivität und Verteilung der Käfer von *Agriotes brevis* (Coleoptera, Elateridae) auf Äckern Süd-Mährens. – Pedobiologia **12**: 149–155.
Rusek, J. (1973a): *Eosentomon pratensis* sp. n. (Protura) from South Moravia. – Acta Entomologica Bohemoslovaca **70**: 55–59.
Rusek, J. (1973b): *Dryops rudolfi* sp. n. und seine Larve (Coleoptera, Dryopidae). – Acta Entomologica Bohemoslovaca **70**: 86–97.
Rusek, J. (1973c): *Friesea massoudi* sp. n. aus Afrika (Collembola). – Révue d´Ecologie et Biologie du Sol **10**: 225–229.
Rusek, J. (1973d): Neue Collembolen von den Überschwemmungswiesen Süd-Mährens. – Acta Societatis Zoologicae Bohemoslovacae **37**: 183–194.
Rusek, J. (1973e): Zur Collembolenfauna (Apterygota) der Prealpe Venete. – Bolletino del Museo Civico di Storia Naturale di Venezia **24**: 71–95.
Rusek, J. (1974a): Die Präparation von Kleininsekten. – Mikrokosmos **1**: 10–12.
Rusek, J. (1974b): Taxonomy of some species of family Acerentomidae (Insecta, Protura). – Acta Entomologica Bohemoslovaca **71**: 260–281.
Rusek, J. (1974c): *Eosentomon kamenickiense* sp. n. (Protura) from Eastern Bohemia. – Acta Entomologica Bohemoslovaca **71**: 342–345.
Rusek, J. (1974d): Morphology and phylogeny of abdominal appendages in Protura. – Pedobiologia **14**: 134–137.
Rusek, J. (1974e): Zur Taxonomie der Tullberginae (Apterygota: Collembola). – Acta Societatis Zoologicae Bohemoslovacae **38**: 61–70.

Rusek, J. (1975a): Die bodenbildende Funktion von Collembolen und Acarina (Soil forming function of Collembola and Acarina). – Pedobiologia **15**: 299–308.

Rusek, J. (1975b): Eine Präparationstechnik für Springschwänze und ähnliche Gliederfüßer. – Microcosmos **65**: 378–381.

Rusek, J. (1975c): Zur Taxonomie und Synökologie der Gattung *Proturentomon silvestri* (Protura). – Acta Societatis Zoologicae Bohemoslovacae **39**: 279–292.

Rusek, J. (1975d): Zwei neue Tullbergiinae-Gattungen (Apterygota: Collembola). – Acta Societatis Zoologicae Bohemoslovacae **39**: 231–240.

Rusek, J. (1976): New Onychiuridae (Collembola) from Vancouver Island. – Canadian Journal of Zoology-Revue Canadienne de Zoologie **54**: 19–41.

Rusek, J. (1977a): Collembola. Enumeratio Insectorum Bohemoslovakiae. – Acta Faunistica Entomologica Musei Nationalis Pragae **15**: 11–17.

Rusek, J. (1977b): The status of *Tomolonus* Mills, 1948 (Collembola: Tomoceridae). – Révue d´Ecologie et Biologie du Sol **14**: 225–230.

Rusek, J. (1978a): New Palearctic taxa of Tullbergiinae (Collembola). – Acta Entomologica Bohemoslovaca **75**: 255–271.

Rusek, J. (1978b): Pedozootische Sukzessionen während der Entwicklung von Ökosystemen (Succesion of soil animals during ecosystem development). – Pedobiologia **18**: 426–433.

Rusek, J. (1978c): Největší chvostoskok světa - *Tetrodontophora bielanensis* [The largest springtail in the world - *Tetrodontophora bielanensis*]. – Živa **26**: 65–66. [in Czech]

Rusek, J. (1978d): Wir züchten Springschwänze. – Aquarien Magazin **12**: 200–203.

Rusek, J. (1978e): Wir züchten Springschwänze. – Mikrokosmos **2**: 52–55.

Rusek, J. (1979a): Coenological characteristics of soil Apterygota in natural grassland at Kameničky. – In: Rychnovská, M. (ed.): Progress Report on MAB Project No. 91: Function of grasslands in Spring Region - Kameničky Project, Brno: 185–188.

Rusek, J. (1979b): Ecological specialisation in some *Mesaphorura* species (Collembola, Tullbergiinae). – Acta Entomologica Bohemoslovaca **76**: 1–9.

Rusek, J. (1979c): Mořští nezmaři – zajímavá skupina láčkovců [Sea hydras – an interesting group of cnidarians]. – Živa **27**: 183–186. [in Czech]

Rusek, J. (1979d): New Palearctic Anurophorinae (Collembola). – Acta Societatis Zoologicae Bohemoslovacae **43**: 138–142.

Rusek, J. (1979e): Three new *Mesaphorura*-species (Collembola: Tullbergiinae) from Europe. – Acta Societatis Zoologicae Bohemoslovacae **43**: 290–299.

Rusek, J. (1979f): Three new *Pseudosinella* species from Czechoslovakia (Collembola, Entomobryidae). – Acta Entomologica Bohemoslovaca **76**: 255–265.

Rusek, J. (1979g): Two new species of Collembola from cultivated soils of Czechoslovakia. – Acta Societatis Zoologicae Bohemoslovacae **43**: 143–147.

Rusek, J. (1980a): Morphology of juvenile instars in two *Mesaphorura*-species (Collembola: Tullbergiinae). – Révue d´Ecologie et Biologie du Sol **17**: 583–589.

Rusek, J. (1980b): Notes on three *Folsomia*-species (Collembola). – Acta Societatis Zoologicae Bohemoslovacae **44**: 139–145.

Rusek, J. (1981): Some Collembola from Iraq. – Acta Societatis Zoologicae Bohemoslovacae **45**: 63–80.

Rusek, J. (1982a): European *Mesaphorura* species of the *sylvatica*-group (Collembola, Onychiuridae, Tullbergiinae). – Acta Entomologica Bohemoslovaca **79**: 14–30.

Rusek, J. (1982b): *Mesaphorura pongei* sp. n. from France (Collembola, Onychiuridae). – Acta Entomologica Bohemoslovaca **79**: 351–353.

Rusek, J. (1982c): *Multivesicula* gen. n. from the subfamily Tullbergiinae (Collembola: Onychiuridae). – Acta Societatis Zoologicae Bohemoslovacae **46**: 33–44.

Rusek, J. (1982d): *Octostigma herbivora* n. gen. et sp. (Diplura: Projapygoidea: Octostigmatidae n. fam.) injuring plant roots in the Tonga Islands. – New Zealand Journal of Zoology **9**: 25–32.

Rusek, J. (1983a): Sumky – nejbližší příbuzní obratlovců [Ascidians – closest relatives of vertebrates]. – Živa **31**: 25–26. [in Czech]

Rusek, J. (1983b): Charakteristika a zvláštnosti kubánské hmyzí fauny [Characteristics and peculiarities of Cuban insect fauna]. – Živa **31**: 215–217. [in Czech]

Rusek, J. (1984a): A new location and type of pseudocelli in *Onychiurus* spp. (Collembola: Onychiuridae). – Annales de la Société royale zoologique de Belgique **114**: 3–7.

Rusek, J. (1984b): New species and review of the *Isotoma notabilis* species-group (Collembola, Isotomidae). – Acta Entomologica Bohemoslovaca **81**: 343–369.

Rusek, J. (1984c): Two new *Folsomia* - species from Czechoslovakia (Collembola: Isotomidae). – Acta Societatis Zoologicae Bohemoslovacae **48**: 197–204.

Rusek, J. (1984d): Zur Bodenfauna in drei Typen von Überschwemmungswiesen in Süd-Mähren. – Rozpravy ČSAV, řada matematických a přírodních věd **94**: 1–127.

Rusek, J. (1985a): *Blissia glabra* gen. n., sp. n. (Collembola: Isotomidae) from northwestern Canada. Canadian Journal of Zoology **63**: 2077–2082.

Rusek, J. (1985b): *Lanzhotia brachycera* gen. n., sp. n. from Central Europe (Collembola, Pseudachorutidae). – Acta Entomologica Bohemoslovaca **82**: 175–179.

Rusek, J. (1985c): New Palearctic *Lepidocyrtus* and *Pseudosinella* species (Collembola: Entomobryidae). – Acta Societatis Zoologicae Bohemoslovacae **49**: 132–146.

Rusek, J. (1985d): Soil microstructures - contributions on specific soil organisms. – Quaestiones Entomologicae **21**: 497–514.

Rusek, J. (1986a): European species of *Mesaphorura* and related genera (Collembola: Onychiuridae). – In: Dallai, R. (ed.): II. International Seminar on Apterygota, Siena: 73–78.

Rusek, J. (1986b): Notes on Collembolan chaetotaxy. – In: Dallai, R. (ed.): II. International Seminar on Apterygota, Siena: 79–83.

Rusek, J. (1986c): Soil animals and soil microstructure successive development on a chemical factory deposits. – Transaction of the XIII. Congress of International Society of Soil Science, Hamburg, Bd. IV: 1564–1565.

Rusek, J. (1986d): Vliv herbicidů na půdní organismy a kvalitu půdy v jabloňových výsadbách [Impact of herbicides on soil organisms and soil quality in apple orchards]. – In: Sborník ze symposia Integrovaná produkce ovoce, České Budějovice: 69–72. [in Czech]

Rusek, J. (1986e): Vliv průmyslových hnojiv na půdní faunu [The effects of mineral fertilizers on soil fauna]. – In: Průmyslová hnojiva a životní prostředí, ČSVTS Ústí n. L.: 39–48. [in Czech]

Rusek, J. (1987a): *Mesaphorura rudolfi* sp. n. from Czechoslovakia (Collembola: Tullbergiinae). – Acta Societatis Zoologicae Bohemoslovacae **51**: 136–139.

Rusek, J. (1987b): New types of linea ventralis in Collembola and its function. – In: Striganova, B. R. (ed.): Soil Fauna and Soil Fertility. Nauka, Moscow: 699–706.

Rusek, J. (1987c): Protection of soil organisms and improvement of biological properties of soil. – In: Phillips, A. S. & G. E. Schweitzer (eds): Agricultural Development and Environmental Research: American and Czechoslovak Perspectives, ČSAV et USNAS: 89–96.

Rusek, J. (1987d): Spí příroda v zimě? [Does nature sleep in winter?]. – Živa **35**: 62–63. [in Czech]

Rusek, J. (1988a): Biotechnologie ve vztahu k půdní úrodnosti [Biotechnology in relation to soil fertility]. – Věstník ČSAZ **35**: 529–535. [in Czech]

Rusek, J. (1988b): Diskusní příspěvek na XXIX. plen. zas. Členů ČSAZ [Contribution to the discussion at the XXIX the plenary session of the Czechoslovak Academy of Agricultural Sciences]. – Věstník ČSAZ **35**: 480–480. [in Czech]

Rusek, J. (1988c): Mezinárodní program geosféra-biosféra IGBP [International Programme, Geosphere - Biosphere IGBP]. – In: Bucha, V., Kopecký, M. & J. Rusek (eds): Geosféra - biosféra - globální změny. Mezinárodní program ICSU. Astronomický ústav ČSAV, Ondřejov: 3–6. [in Czech]

Rusek, J. (1988d): New *Eosentomon* and *Acerentulus* species (Protura) from Federal Republic Germany. – Acta Societatis Zoologicae Bohemoslovacae **52**: 217–237.

Rusek, J. (1988e): Ochrana půdních organismů a zvyšování půdní úrodnosti [Protection of soil organisms and increasing soil fertility]. – Sborník. ČSAZ **122**: 93–95. [in Czech]

Rusek, J. (1988f): Vztahy mezi půdními živočichy a mikroorganismy [Interactions between soil animals and microorganisms]. – Bulletin Československé společnosti mikrobiologické ČSAV **29**: 10–15. [in Czech]

Rusek, J. (1989a): Collembola and Protura in a meadow-forest ecotone. – In: Dallai, R. (ed.): 3rd International Seminar on Apterygota. University of Siena: 413–418.

Rusek, J. (1989b): Ecology of Collembola. – In: Dallai, R. (ed.): 3rd International Seminar on Apterygota. University of Siena: 271–281.

Rusek, J. (1990): 4.2.2. Collembola and other microarthropods. – In: Osbornová, J., Kovářová, M., Lepš J. & K. Prach (eds): Succession in abandoned fields. Studies in Central Bohemia, Czechoslovakia. Geobotany, 15, Kluwer Academic Publisher, Hague: 55–58.

Rusek, J. (1991a): Dlouhodobé změny půdní fauny v agroekosystémech a ve vysokohorských ekosystémech [Long-term changes of soil fauna in agro- and alpine ecosystems]. – VIII. Sjezd Československých zoologů, Brno 1991, Československá zoologická společnost při ČSAV, Brno: 7–8. [in Czech]

Rusek, J. (1991b): New Holarctic and Palearctic taxa of Tullbergiinae (Collembola). – Acta Societatis Zoologicae Bohemoslovacae **55**: 65–75.

Rusek, J. (1991c): New tropical Tullbergiinae (Collembola: Onychiuridae). – Acta Entomologica Bohemoslovaca **88**: 145–155.

Rusek, J. (1991d): *Odontella delamarei* sp. n. from Central Europe (Collembola, Odontellidae). – Révue d´Ecologie et Biologie du Sol **28**: 113–117.

Rusek, J. (1991e): *Sibirisotoma stebajevae* gen. n., sp. n. from Siberia (Collembola, Isotomidae). – Acta Entomologica Bohemoslovaca **88**: 33–37.

Rusek, J. (1991f): Some soil biological aspects of low-energy agriculture. – In: Vasko, T. (ed.): International workshop "Low Energy Agriculture", IIASA, Laxenburg: 85–91.

Rusek, J. (1991g): Three new species of Pseudachorutini (Collembola: Neanuridae). – Acta Societatis Zoologicae Bohemoslovacae **55**: 120–129.

Rusek, J. (1992a): 9. Distribution and dynamics of soil organisms across ecotones. – In: di Castri, F. & A. J. Hansen (eds): Landscape Boundaries. Consequences for Biotic Diversity and Ecological Flows. Ecological Studies, Vol. 92, Springer - Verlag, New York: 196–214.

Rusek, J. (1992b): Půda [Soil]. – In: Zídek, T. et al. (eds): Nechemická ochrana rostlin [Non-chemical plant protection]. Nakladatelství Brázda, Praha: 9–26. [in Czech]

Rusek, J. (1992c): The centennial of Štěpán Soudek´s birthday. – Pedobiologia **36**: 59–60.

Rusek, J. (1993a): Air-pollution-mediated changes in alpine ecosystems and ecotones. – Ecological Applications **3**: 409–416.

Rusek, J. (1993b): Biodiversity and its changes caused by human activity - a workshop of Czecho-Slovak National Committee of SCOPE, České Budějovice, November 3-4, 1992. – Ekológia (Bratislava) **12**: 245–245.

Rusek, J. (1993c): Biologická diversita [Biological diversity]. – Životné prostredie **27**: 175–177. [in Czech]

Rusek, J. (1994a): První nález drabčíka podčeledi Leptotyphlinae na Slovensku [The first record of stapylinid beetle of the subfamily Leptotyphlinae in Slovakia]. – Živa **42**: 25–26. [in Czech]

Rusek, J. (1994b): Succession of Collembola and some ecosystem components on a pingo in the Mackenzie River Delta, N.W.T., Canada. – Acta Zoologica Fennica **195**: 119–123.

Rusek, J. (1995a): Collembola. – In: Rozkošný, R. & J. Vaňhara (eds): Terrestrial invertebrates of the Pálava Biosphere Reserve of UNESCO, I. Folia Facultatis Scientarium Naturalium Universitatis Masarykianae Brunensis, Biologia **92**: 103–109.

Rusek, J. (1995b): *Protaphorura unari* sp. n. (Collembola: Onychiuridae) from the Tatra National Park (Slovak Republic). – Acta Societatis Zoologicae Bohemicae **59**: 115–119.

Rusek, J. (1995c): Synecology of Collembola. – Bulletin Entomologique de Pologne **64**: 69–75.

Rusek, J. (1996a): Global change impact on soil fauna and ecosystems. – In: Nemešová, I. (ed.): Climate variability and climate change vulnerability and adaptation. Proceedings of the Regional Workshop. Prague, Czech Republic, September 11-15 1995: 163–170.

Rusek, J. (1996b): New taxa of Collembola (Entognatha) from the Czech Republic. – Acta Societatis Zoologicae Bohemicae **60**: 207–214.

Rusek, J. (1996c): Nezastupitelná úloha půdního edafonu [The irreplaceable role of soil fauina]. – Úroda **46**: 10–11.

Rusek, J. (1997a): *Jesenikia filiformis* gen. n., sp. n. (Collembola: Isotomidae) from Czech Republic and Bulgaria. – European Journal of Entomology **94**: 115–120.

Rusek, J. (1997b): Sekce půdní zoologie. – In: Skuhravá, M. (ed.): Česká zoologická společnost. 70. výročí založení. Acta Societatis Zoologicae Bohemicae, zvláštní příloha [Special Issue]: 79–80.

Rusek, J. (1997c): *Tetrodontophora bielanensis* (Collembola: Onychiuridae), its distribution and ecological requirements. – Pedobiologia **41**: 74–79.

Rusek, J. (1997d): The impact of air pollution on soil fauna in the Tatras. Box 10.3. – In: Messerli, B. & J. D. Ives (eds): Mountains of the world. A global priority. The Parthenon Publishing Group. New York, London: 215–216.

Rusek, J. (1998a): Biodiversity of Collembola and their functional role in the ecosystem. – Biodiversity and Conservation **7**: 1207–1219.

Rusek, J. (1998b): Changes in mesofauna communities of arable soils. – In: Pižl, V. & K. Tajovský (eds): Soil Zoological Problems in Central Europe. Institute of Soil Biology AS CR, České Budějovice: 173–177.

Rusek, J. (1998c): Integrace taxonomického a ekologického studia půdní fauny k řešení půdně biologických a obecně ekologických otázek. Habilitační spis [Integration of taxonomic and ecological study of soil fauna to address soil biological and general ecological issues. Habilitation]. Palacký University Olomouc, 352 pp. [in Czech]

Rusek, J. (1998d): Záplavy a jejich vliv na život v půdě [Floods and their influence on life in the soil]. – Živa **46**: 29–30. [in Czech]

Rusek, J. (1999a): Je střední Evropa ohrožena globálními změnami? [Is Central Europe threatened by global changes?]. – Živa **47**: 77–79. [in Czech]

Rusek, J. (1999b): Tatranský národní park - velká laboratoř přírody [The Tatra National Park - a great laboratory of nature]. – Živa **47**: 29–31. [in Czech]

Rusek, J. (2000a): Nevšední výstava o půdní mikrostruktuře [Unusual exhibition on soil microstructure]. – Živa **48**: XLIII.

Rusek, J. (2000b): Soil invertebrate species diversity in natural and disturbed environments. – In: Coleman, D. C.& P. F. Hendrix (eds): Invertebrates as Webmasters in Ecosystems. CABI Publishing, Wallingford-Oxon: 233–252.

Rusek, J. (2000c): Živá půda. (1) Bohatost a rozmanitost života v půdě [Living soil. (1) Richness and diversity of life in the soil]. – Živa **48**: 25–27. [in Czech]

Rusek, J. (2000d): Živá půda. (2) Diverzita a funkce půdní mikroflóry [Living soil. (2) Soil microflora diversity and its function in the soil]. – Živa **48**: 73–76. [in Czech]

Rusek, J. (2000e): Živá půda. (3) Ekofyziologie půdních živočichů a teplota [Living soil. (3) Ecophysiology of soil animals and soil temperature]. – Živa **48**: 121–124. [in Czech]

Rusek, J. (2000f): Živá půda. (4) Ekofyziologie půdních živočichů a voda [Living soil. (4) Ecophysiology of soil animals and water]. – Živa **48**: 169–172. [in Czech]

Rusek, J. (2000g): Živá půda. (5) Sukcesní vývoj půdy a ekosystémů [Living soil. (5) Succession of the soil and ecosystems]. – Živa **48**: 217–221. [in Czech]

Rusek, J. (2000h): Živá půda. (6) Bez života není půda více půdou [Living soil. (6) Soil without life is not real soil]. – Živa **48**: 267–270. [in Czech]

Rusek, J. (2001a): Collembola of the Šumava National Park, Czech Republic. – Silva Gabreta **6**: 157–163.

Rusek, J. (2001b): Collembola Šumavského národního parku [Collembola of the Šumava National Park]. – In: Mánek, J. (ed.): Aktuality šumavského výzkumu. Vimperk, Správa NP a CHKO Šumava: 178–179. [in Czech]

Rusek, J. (2001c): Microhabitats of Collembola (Insecta: Entognatha) in beech and spruce forests and their influence on biodiversity. – European Journal of Soil Biology **37**: 237–244.

Rusek, J. (2001d): Pauropoda of the Czech and Slovak Republics. – Myriapodologica Czecho-Slovaca **1**: 5–7.

Rusek, J. (2001e): Symphyla of the Czech and Slovak Republics. – Myriapodologica Czecho-Slovaca **1**: 9–10.

Rusek, J. (2001f): Vliv acidifikace, eutrofizace, lesního hospodaření a vápnění lesních půd na půdní faunu [Influence of acidification, eutrophication, forest management and liming of forest soils on soil fauna]. – In: Hruška, J. & E. Cienciala (eds): Dlouhodobá acidifikace a nutriční degradace lesních půd – limitující faktor současného lesnictví. Praha. Ministerstvo životního prostředí: 139–145. [in Czech]

Rusek J. (2001g). Žofínský prales a jeho obyvatelé [The Žofín primeval forest and its inhabitants]. – Živa **49**: 77–79. [in Czech]

Rusek, J. (ed.) (2002a): Apterygota at the beginning of the third Millennium. 10th International Colloquium on Apterygota. – Pedobiologia, Special Issue **46**: 197–416.-

Rusek, J. (ed.) (2002b): Biodiversity of Soil Organisms and Ecosystem Functioning. 13th International Colloquium on Soil Zoology. – Paris, Elsevier SAS, 402 pp.

Rusek, J. (2002c): Collembola Žofínského pralesa a jejich biodiverzita [Collembolans of the Žofín primeval forest and their biodiversity]. – In: Papáček, M. (ed.): Biodiverzita a přírodní podmínky Novohradských hor. České Budějovice, Jihočeská univerzita: 163–167. [in Czech]

Rusek, J. (2002d): Development and progress in Apterygota research in the territory of the former Czechoslovakia. – Pedobiologia **46**: 201–208.

Rusek, J. (2002e): Do we have *Cryptopygus* - representatives (Collembola: Isotomidae) in Europe? – Pedobiologia **46**: 302–310.

Rusek, J. (2002f): Impact of boric acid on Collembola, Protura and Pauropoda in a mountain elm forest in the Šumava National Park, Czech Republic. – In: Tajovský, K., Balík, V. & V. Pižl (eds): Studies on Soil Fauna in Central Europe, Proceedings of the 6th Central European Workshop on Soil Zoology. České Budějovice, Institute of Soil Biology AS CR: 157–162.

Rusek, J. (2002g): Taxonomy of Collembola at the beginning of the new millennium. – Pedobiologia **46**: 215–224.

Rusek, J. (2003a): H. 5. Impact of acidification, eutrophication, forest management and liming on soil fauna. – In: Hruška J. & E. Cienciala (eds): Long-term acidification and nutrient degradation of forest soils – a limiting factors of forestry today. Ministry of Environment of the Czech Republic, Praha: 150–156.

Rusek, J. (2003b): The Situation of Sustainable Land Use and Soil Protection in the Czech Republic. – Bulletin of the European Land and Soil Alliance (ELSA) e.V. 6/II/03: 11–12.

Rusek, J. (2003c): Záplavy, půda, globální změny a další souvislosti I. [Floods, soil, global changes and other circumstances I.]. – Živa **51**: 121–123. [in Czech]

Rusek, J. (2003d): Záplavy, půda, globální změny a další souvislosti II. [Floods, soil, global changes and other circumstances II.]. – Živa **51**: 169–172. [in Czech]

Rusek, J. (2003e): Záplavy, půda, globální změny a další souvislosti III. [Floods, soil, global changes and other circumstances III.]. – Živa **51**: 217–220. [in Czech]

Rusek, J. (2003f): Záplavy, půda, globální změny a další souvislosti IV. [Floods, soil, global changes and other circumstances IV.]. – Živa **51**: 265–268. [in Czech]

Rusek, J. (2004a): Collembola succession on deposits from a chemical factory. – Pedobiologia **48**: 519–525.

Rusek, J. (2004b): Dlouhodobý výzkum ekosystémů Tomanovy doliny v západní části Tatranského Národního Parku (Slovenská republika) [Long-term ecosystem research in Tomanova Dolina Valley in the western part of the Tatra National Park (Slovak Republic)]. – Štúdie o Tatranskom Národnom Parku **7**: 421–431. [in Czech with English summary]

Rusek, J. (2005a): Archaeognatha (chvostnatky) & Zygentoma (rybenky). – In: Farkač, J., D. Král & M. Škorpík (eds): Červený seznam ohrožených druhů České republiky. Bezobratlí. Red list of threatened species in the Czech Republic. Invertebrates. Agentura ochrany přírody a krajiny ČR, Praha: 121. [in Czech with English summary]

Rusek, J. (2005b): Collembola (chvostoskoci*)*. – In: Farkač, J., D. Král & M. Škorpík (eds): Červený seznam ohrožených druhů České republiky. Bezobratlí. Red list of threatened species in the Czech Republic. Invertebrates. Agentura ochrany přírody a krajiny ČR, Praha: 115–119. [in Czech with English summary]

Rusek, J. (2005c): Diplura (vidličnatky). – In: Farkač, J., Král, D. & M. Škorpík (eds): Červený seznam ohrožených druhů České republiky. Bezobratlí. Red list of threatened species in the Czech Republic. Invertebrates. Agentura ochrany přírody a krajiny ČR, Praha: 120. [in Czech with English summary]

Rusek, J. (2005d): Indikátory změn půdní biodiverzity [Indicators of soil biodiversity change]. – In: Vačkář, D. (ed.): Ukazatele změn biodiverzity. Academia, Praha: 249–261. [in Czech with English summary]

Rusek, J. (2005e): Pauropoda (drobnušky). – In: Farkač, J., D. Král & M. Škorpík (eds): Červený seznam ohrožených druhů České republiky. Bezobratlí. Red list of threatened species in the Czech Republic. Invertebrates. Agentura ochrany přírody a krajiny ČR, Praha: 110–111. [in Czech with English summary]

Rusek, J. (2005f): Protura and Diplura succession on chemical factory deposits. – In: Tajovský, K., J. Schlaghamerský & V. Pižl (eds): Contributions to Soil Zoology in Central Europe I. ISB AS CR, České Budějovice: 123–126.

Rusek, J. (2005g): Protura (hmyzenky). – In: Farkač, J., D. Král & M. Škorpík (eds): Červený seznam ohrožených druhů České republiky. Bezobratlí. Red list of threatened species in the Czech Republic. Invertebrates. Agentura ochrany přírody a krajiny ČR, Praha: 113–114. [in Czech with English summary]

Rusek, J. (2005h): Symphyla (stonoženky). – In: Farkač, J., D. Král & M. Škorpík (eds): Červený seznam ohrožených druhů České republiky. Bezobratlí. Red list of threatened species in the Czech Republic. Invertebrates. Agentura ochrany přírody a krajiny ČR, Praha: 112. [in Czech with English summary]

Rusek, J. (2006a): Archeognatha – chvostnatky a Zygentoma – rybenky. – In: Mlíkovský, J. & P. Stýblo (eds): Nepůvodní druhy fauny a flóry České republiky. Non-native species of fauna and flora of the Czech Republic. ČSOP, Praha: 249. [in Czech]

Rusek, J. (2006b): Collembola – chvostoskoci. – In: Mlíkovský, J. & P. Stýblo (eds): Nepůvodní druhy fauny a flóry České republiky. Non-native species of fauna and flora of the Czech Republic. ČSOP, Praha: 248. [in Czech]

Rusek, J. (2006c): Diplura – vidličnatky. – In: Mlíkovský, J. & P. Stýblo (eds): Nepůvodní druhy fauny a flóry České republiky. Non-native species of fauna and flora of the Czech Republic. ČSOP, Praha: 249. [in Czech]

Rusek, J. (2006d): Protura – hmyzenky. – In: Mlíkovský, J. & P. Stýblo (eds): Nepůvodní druhy fauny a flóry České republiky. Non-native species of fauna and flora of the Czech Republic. ČSOP, Praha: 248. [in Czech]

Rusek, J. (2006e): Síla sukcese. Úloha půdních živočichů v sukcesi. [The power of succession. The role of soil animals in succession]. – Živa **54**: 174–176. [in Czech]

Rusek, J. (2006f): Síla sukcese. Vývoj půdy na haldách chemické továrny [The power of succession. Soil development on heaps of chemical factory]. – Živa **54**: 128–131. [in Czech]

Rusek, J. (2006g): Vliv kůrovcové kalamity na chvostoskoky, půdní faunu a humus ve smrčinách NP Šumava [Influence of bark beetle calamity on springtails, soil fauna and humus in the spruce forests of the Šumava National Park]. Seminář 11.5. 2006 Kašperské Hory: Lesník 21. století – most mezi ekologií lesa a potřebami společnosti. Správa NP a CHKO Šumava, Kašperské Hory (Published on CD) [in Czech]

Rusek, J. (2007a): A new classification of Collembola and Protura life forms. – In: Tajovský, K., J. Schlaghamerský & V. Pižl (eds): Contributions to Soil Zoology in Central Europe II. ISB BC AS CR, v.v.i., České Budějovice: 109–115.

Rusek, J. (2007b): Integration of ecological and morphological studies: Micro-distribution of *Protaphorura*-species (Collembola: Onychiurinae) around a beech stem. – In: Tajovský, K., J. Schlaghamerský & V. Pižl (eds): Contributions to Soil Zoology in Central Europe II. ISB BC AS CR, v.v.i., České Budějovice: 117–120.

Rusek, J. (2007c): Tundra a boreální lesy Kanady. 1. Základní typy tundry a její zvláštnosti [Canadian tundra and boreal forests 1. Main tundra types and theior specific features]. – Živa **55**: 25–27. [in Czech]

Rusek, J. (2007d): Tundra a boreální lesy Kanady. 2. Život v tundře a mrazové formy půd [Canadian tundra and boreal forests 2. Life in tundra and frost soil forms]. – Živa **55**: 73–75. [in Czech]

Rusek, J. (2007e): Tundra a boreální lesy Kanady. 3. Sukcese na pingu a rozhraní les–tundra [Canadian tundra and boreal forests 3. Successiuon on ping and forest–tundra interface]. – Živa **55**: 121–123. [in Czech]

Rusek, J. (2007f): Tundra a boreální lesy Kanady. 4. Subarktický les – přechodná oblast [Canadian tundra and boreal forests 4. The subarctic forest – an ecoton]. – Živa **55**: 169–171. [in Czech]

Rusek, J. (2007g): Vliv intensivního sešlapu na půdní živočichy v NPR Boubín, Česká republika [Impact of intensive trampling on soil animals in the Boubín NNR, Czech Republic]. – In: Dvořák, L., Šustr, P. & V. Braun (eds): Aktuality šumavského výzkumu III, Aktuelles aus der Forschung in den Nationalparken Böhmerwald / Bayerischer Wald, Research Actualities in Bohemian/Bavarian Forest. Sborník z konference. Srní, 4.-5.10. 2007: 61–62. [in Czech]

Rusek, J. (2008a): Sešlap půdy NPR Boubín neprospívá [Trampling of soil is not good for Boubín NNR]. – Šumava 2008: 24–27. [in Czech]

Rusek, J. (2008b): Vhledy do půdy [Insight into the soil]. Živa **56**: 94–96. [in Czech]

Rusek, J. (2010): The enigma of the genus *Stenaphorura* Absolon, 1900 (Collembola, Tullbergiinae). – Zootaxa **2338**: 43–53.

Rusek, J., Balík, V., Háněl, L., Frouz, J. (1999): Improved method for comparing abundance data for soil zoological field studies. – European Journal of Soil Biology **35**: 145–152.

Rusek, J. & J. Brůhová (2007): Impact of bark beetle outbreak on epigeic communities of Collembola (Insecta: Entognatha) in climax spruce forests in the Šumava National Park, Czech Republic. – In: Tajovský, K., J. Schlaghamerský & V. Pižl (eds): Contributions to Soil Zoology in Central Europe II. ISB BC AS CR, v.v.i., České Budějovice: 121–126.

Rusek, J. & V. G. Marshall (1976): *Tetracanthella pacifica* sp. n. (Collembola: Isotomidae) from British Columbia. – Canadian Entomologist **108**: 759–765.

Rusek, J. & V. G. Marshall (1995): Long-term changes of collembolan communities in forest soils. – Bulletin Entomologique de Pologne **64**: 159–171.

Rusek, J. & V. G. Marshall (2000): Impacts of airborne pollutants on soil fauna. – Annual Review of Ecology, Evolution, and Systematics **31**: 395–423.

Rusek, J., V. Pižl & M. Šimek (1995): Institute of Soil Biology. Institute of Soil Biology, České Budějovice, 58 pp.

Rusek, J. & K. Prach (1992): Ecotones - A workshop of Czechoslovak committee of SCOPE (Scientific Committee on Problems of the Environment), České Budějovice, October 15-16, 1990. – Ekológia (Bratislava) **11**: 241.

Rusek, J., D. Reithofer, S. Schmid, Ch. Truxa, J. Weber & U. Wilde (2009): Collembola, Protura and Pauropoda in a riparian forest - mesic forest. – In: Tajovský, K., J. Schlaghamerský & V. Pižl (eds): Contributions to Soil Zoology in Central Europe III. Proceedings of the 9th Central European Workshop on Soil Zoology. České Budějovice, Institute of Soil Biology BC AS CR: 133–139.

Rusek, J. & R. Rozkošný (1995): Protura. – In: Rozkošný, R. & J. Vaňhara (eds): Terrestrial invertebrates of the Pálava Biosphere Reserve of UNESCO, I. Folia Facultatis Scientarium Naturalium Universitatis Masarykianae Brunensis, Biologia **92**: 99–100.

Rusek, J. & J. Rusek (1999): Impact of winter road salting on soil Collembola and other microarthropods. – In: Tajovský, K. & V. Pižl (eds): Soil Zoology in Central Europe. Institute of Soil Biology AS CR, České Budějovice: 261–268.

Rusek, J., J. Shrubovych & A. Szeptycki (2012): Head porotaxy and chaetotaxy of order Acerentomata (Protura). – Zootaxa (**3262**): 54–61.

Rusek, J., J. Starý, K. Tajovský & V. Pižl (2005): Dlouhodobý půdně-zoologický výzkum v CHKO Jeseníky [Longterm soil zoological research in the Jeseníky PLA]. – Campanula. Sborník referátů z konference k 35. výročí Chráněné krajinné oblasti Jeseníky. SOP – Správa CHKO Jeseníky, Jeseník: 28–33. [in Czech]

Rusek, J. & J. Stumpp (1988): A new *Acerentulus* species from Southeast Italy (Protura: Acerentomidae). – Acta Entomologica Bohemoslovaca **85**: 153–158.

Rusek, J. & J. Stumpp (1989a): *Ionescuellum ulmiacum* sp. n. from Central Europe (Protura, Hesperentomidae). Révue d´Ecologie et Biologie du Sol **26**: 527–533.

Rusek, J. & J. Stumpp (1989b): Variability of chaetotaxy in *Eosentomon foliaceum* (Protura). – In: Dallai, R. (ed.): 3rd Int. Seminar on Apterygota. Univ. Siena: 55–61.

Rusek, J. & M. Šubrt (1999): Epigeic Collembola in a mixed forest-grassland ecotone. – In: Tajovský, K. & V. Pižl (eds): Soil Zoology in Central Europe. Institute of Soil Biology AS CR, České Budějovice: 269–276.

Rusek, J., B. Úhelová & J. Unar (1975): Soil biological features of some alpine grasslands in Czechoslovakia. – In: Vaněk, J. (ed.): Progress in Soil Zoology, Proceedings of the 5th International Colloquium on Soil Zoology, Academia Publishing House of the Czechoslovak Academy of Sciences, Prague: 199–215.

Rusek, J. & W. M. Weiner (1978): *Plutomurus carpaticus* sp. n. (Collembola: Tomoceridae) from the Carpathian Mountains. Bulletin de L'Academie Polonaise des Sciences - Serie des Sciences Biologiques **25**: 741–747.

Rusek, J. & F. Weyda (1981): Morphology, ultrastructure and function of pseudocelli in *Onychiurus armatus* (Collembola: Onychiuridae). – Révue d´Ecologie et Biologie du Sol **18**: 127–133.

Šantručková, H., J. Vrba, Z. Křenová, M. Svoboda, A. Benčoková, M. Edwards, R. Fuchs, M. Hais, J. Hruška, J. Kopáček, K. Matejka & J. Rusek (2010): Co vyprávějí *šumavské* smrčiny. Průvodce lesními ekosystémy *Šumavy* [What the *Šumava* spruces say. Guide to *Šumava* forest ecosystems]. Vimperk, Správa NP a CHKO Šumava, 157 pp. [in Czech]

Shrubovych, J. & J. Rusek (2010): *Sugaentulus andrzeji* sp. nov. form Siberia, Russia (Protura: Acerentomidae: Acerentominae) and key to Acerentominae genera. – Zootaxa 2720: 59–68.

Shrubovych, J., J. Rusek & E. C. Bernard (2012): Redefinition and four new species of *Yavanna* Szeptycki and comparison with *Nosekiella* Rusek (Protura: Acerentomidae: Nipponentominae). – Annals of the Entomological Society of America **105**: 3–19.

Shrubovych, J., J. Rusek & E. C. Bernard (2014a): Revision of *Nosekiella* (Protura: Acerentomidae, Nipponentominae). – Annals of the Entomological Society of America **107**: 721–727.

Shrubovych, J., J. Rusek & E. C. Bernard (2014b): Revision of *Vesiculentomon*, *Nosekientomon* n. g. (Protura: Acerentomidae, Nipponentominae), and a key to genera of Nipponentominae. – Annals of the Entomological Society of America **107**: 74–80.

Shrubovych, J., J. Rusek, J. Smykla & E. C. Bernard (2014): Review of *Alaskaentomon* (Protura: Acerentomidae, Nipponentominae). – Annals of the Entomological Society of America **107**: 728–733.

Shrubovych, J., J. Rusek, J. Smykla & E. C. Bernard (2015): Review of North American *Verrucoentomon* species (Protura: Acerentomidae, Nipponentominae), with a key to species of the related genus *Imadateiella* Rusek. – Florida Entomologist **98**: 215–222.

Skřivan, P., J. Rusek, D. Fottová, M. Burian & L. Minařík (1995): Factors affecting the content of heavy metals in bulk atmospheric precipitation, throughfall and stemflow in Central Bohemia, Czech Republic. – Water, Air and Soil Pollution **85**: 841–846.

Tajovský, K., V. Pižl, J. Starý, V. Balík, J. Frouz, J. Schlaghamerský, L. Háněl, J. Rusek & J. Kalčík, J. (2005): Development of soil fauna in meadows restored on arable land: Initial phases of successional development. – In: Tajovský, K., Schlaghamerský, J. & V. Pižl (eds): Contributions to Soil Zoology in Central Europe I. ISB AS CR, České Budějovice: 181–186.

Tesařová, M., F. Hrabě, J. Straka, V. Zelená, M. Škoda, J. Rusek, J. Starý & R. Kordiovský (2000): Submontane grasslands in the Czech Republic: The interdisciplinary project „Kameničky II". – In: Ehrendorfer, F., H. Palme & G. Schrammel (eds): Changing Agriculture and Landscape: Ecology, Management and Biodiversity Decline in Anthropogenous Mountain Grassland. Proceedings of the EUROMAB-Symposium, Federal Research Institute for Agriculture in Alpine Regions, Vienna: 49–52.

Trehen, P., D. C. Coleman, J. Rusek, J.-M. Betsch, J. Berthelin & R. Bardin (1993): Soil biology: a conceptual approach with specific goals. – European Journal of Soil Biology **29**: 1–6.

Urbášek, F. & J. Rusek (1994): Activity of digestive enzymes in seven species of Collembola (Insecta: Entognatha). – Pedobiologia **38**: 400–406.

Wall, D. H., M. A. Bradford, M. G. St. John, J. A. Trofymow, V. Behan-Pelletier, D. E. Bignell, J. M. Dangerfield, W. J. Parton, J. Rusek, W. Voigt & et al. (2008): Global decomposition experiment shows soil animal impacts on decomposition are climate-dependent. – Global Change Biology **14**: 2661–2677.

Wolters, V., W. L. Silver, D. E. Bignell, D. C. Coleman, P. Lavelle, W. H. van der Putten, P. de Ruiter, J. Rusek, D. H. Wall, D. A. Wardle & et al. (2000): Effects of global changes on above- and belowground biodiversity in terrestrial ecosystems: Implications for ecosystem functioning. – BioScience **50**: 1089–1098.

Zídek, T., Z. Lokaj, J. Moudrý, R. Rozsypal, J. Rusek & D. Veselý (1992): Nechemická ochrana rostlin [Non-chemical plant protection]. – Nakladatelství Brázda, Prague, 112 pp. [in Czech]