

In memoriam of RNDr. Pavel Lauterer (1933 – 2016)

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Pavel Lauterer 2006 (Alp Flix, Switzerland)
(Photo W.E. Holzinger)

On December 3, 2016, RNDr. Pavel Lauterer, our respected colleague, excellent teacher and dear friend, passed away at the age of 83.

Pavel was born on 25 August 1933 in Brno, Moravia, Czech Republic (then Czechoslovakia). Since his very young age, he was deeply interested in natural history and entomology in particular. In his passion, he was fully supported by his family. Both Pavel's parents were physicians in Brno. His father, Prof. MUDr. Zdeněk Lauterer, professor of psychiatry, collected butterflies in his youth. His mother, MUDr. Milada Lautererová, née Fleischerová, a pediatrician, had an outstanding knowledge of botany and published a widely popular book on poisonous plants. Pavel's grandfather, MUDr. Josef Fleischer, and granduncle, MUDr. Antonín Fleischer, were both physicians, taking an active part in Czech cultural and political life, and also entomology – they built up large collections of Coleoptera and wrote many papers

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on the Czechoslovak beetle fauna. Pavel's uncle, Zdeněk Fleischer, a professional gardener, was a passionate amateur coleopterologist as well. It was him in particular and popular books by Prof. Dr. Jan Obenberger, a leading authority in Czech entomology at that time, who had a deep influence on the young Pavel. Pavel started to observe and collect beetles and ants in the vicinity of Brno in 1947 when he was thirteen. His first scientific paper, based on his field excursions in Moravia, often made together with his uncle Zdeněk, appeared in 1954.

In 1953, during his studies at the Faculty of Science in Masaryk University, Brno, Pavel started to focus on Auchenorrhyncha. His interest for this insect group was inspired by Dr. Jaroslav Stehlík, heteropterist and the head of the Department of Entomology of the Moravian Museum in Brno, where the significant Auchenorrhyncha collection of Dr. Leopold Melichar was housed. Pavel became a voluntary associate and later also an employee of the museum department. He graduated from the university in 1957 with a diploma thesis dealing with the community ecology of Auchenorrhyncha in red-clover fields.

In 1958, Pavel Lauterer moved to Olomouc, another city in Moravia, where he became the head of the parasitological and zoological laboratory of a regional hygienico-epidemiological station and worked for four years on parasitic arthropods, especially ticks and mosquitoes, and pests of stored products. In his spare time, he continued studying Auchenorrhyncha and became also interested in the taxonomy and faunistics of Psylloidea and the parasitoids of Auchenorrhyncha, especially Diptera: Pipunculidae and Strepsiptera. In Olomouc, Pavel met his future wife, Viera. They got married in 1960. Later, after moving back to Brno, they raised their beloved daughter Hana, born in 1965.



Fig. 1: Pavel Lauterer in the 1960s (Photo: family archive)

In 1962, Pavel returned to the Moravian Museum, Brno, and worked there as a researcher and curator at the Department of Entomology until his retirement in 2002 (Fig. 2). However, even many years after his retirement, he attended the museum daily as a voluntary research associate and worked intensively on many projects. In the museum, he was in charge of most insect collections (except for Heteroptera and Lepidoptera) and greatly improved their standards. He tirelessly participated in all steps of the collection management, from material acquisition, mounting and sorting to identification of specimens, their systematic organisation in the collection, databasing, sending out material on loans, etc. Even in times when the Communist totalitarian regime rendered this exceptional and far from easy, he tried to keep himself and the collection in continuous contact with the international scientific community. Occasionally but always warmly, he hosted experts from beyond the Iron Curtain, visiting the insect collections in Brno (David A. Young, Mervin W. Nielson, Lois O'Brien, to name only a few). The fall of the communist regime in Czechoslovakia in 1989 represented an important milestone in Pavel's life and made him very happy. Finally, he could communicate with all colleagues and travel abroad freely (Fig. 3).

Pavel was an enthusiastic collector and loved being in the field, equipped with his robust sweep net and aspirators (Fig. 4). For fifty years, from the 1950s to 2000s, he systematically explored the Auchenorrhyncha, Psylloidea and Pipunculidae fauna of Moravia, Slovakia and less intensively also Bohemia. He recorded many species for the first time from today's Czech Republic and Slovakia and published his findings on the distribution and biology of leafhoppers, planthoppers, psyllids and big-headed flies in a series of papers, greatly increasing the knowledge on the fauna of both countries.



Fig. 2: Pavel Lauterer in his office at the Moravian Museum in the late 1990s (photo: Moravian Museum archive)

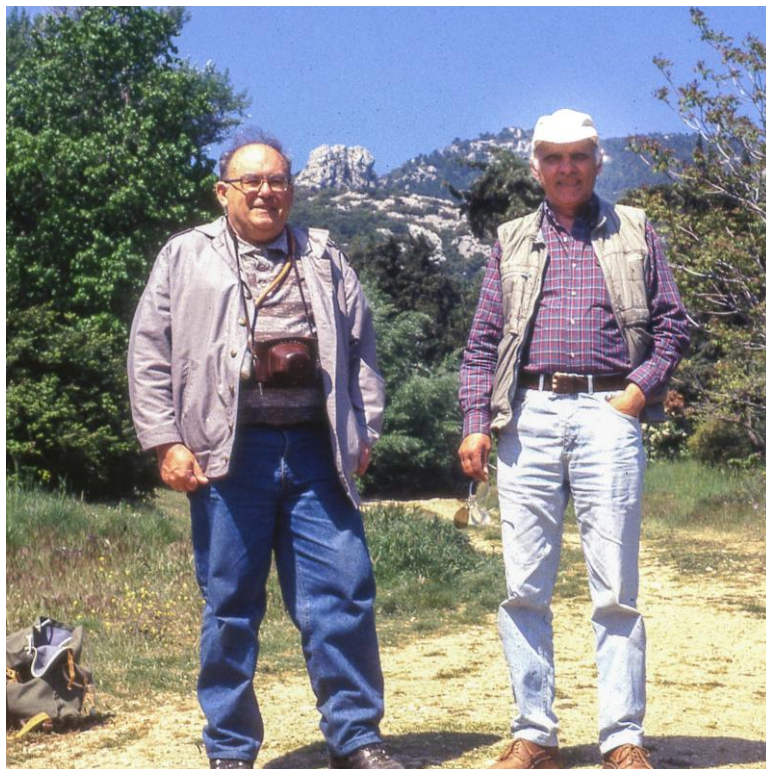


Fig. 3: Pavel Lauterer with Sakis Drosopoulos on a field trip in Greece in 1995 (photo: S. Drosopoulos)

During his life, he witnessed dramatic habitat destruction, especially of wetlands and dry grasslands, at many localities due to intensification of agriculture and forestry or, in contrast, their abandonment. He documented the disappearance of many once common insect species and the spread of invasive alien species. From the 1960s to 1990s, Pavel undertook several field trips also to the Balkans – during his holidays in Bulgaria and former Yugoslavia and during a stay in Greece with Prof. Dr. Sakis Drosopoulos (Fig. 3) – and collected a prolific material also there. In total, his huge collection of Auchenorrhyncha, Psylloidea and Pipunculidae housed in the Moravian Museum comprises approximately 350,000 specimens, mainly European, most of which he himself mounted, labelled and identified.

Pavel had a very good eye for detail, noticing even subtle morphological differences between taxa. He could also patiently track and observe live insects for many hours in the field or in experimental rearings which he usually set up in the small balcony of his home apartment. Both capacities enabled him to solve difficult taxonomic problems. He described two genera and 13 species of Auchenorrhyncha and four genera and 46 species of Psylloidea as new to science. His first new species was *Edwardsiana stehliki* (Cicadellidae: Typhlocybinæ), which he discovered on hazel in the parks and gardens of Brno during his university studies and which he described in 1958. Typhlocybinæ remained Pavel's favourite group of Auchenorrhyncha for the rest of his life. He collaborated, exchanged material and kept friendly correspondence for many years with another expert on those small leafhoppers,

Dr. Irena Dworakowska, and many other colleagues who shared his interest in Auchenorrhyncha and Psylloidea taxonomy and biology. Many of his fundamental taxonomic papers on Psylloidea, including e.g. a review of the psyllid fauna of Iran and the systematic revisions of Rhinocolinae, the genus *Bactericera*, and of *Aphalara exilis*, *Craspedolepta flavipennis*, *Trioza rotundata* and *T. galii* species groups, were published in collaboration with PD Dr. Daniel Burckhardt from Switzerland whom he met for the first time in 1981. They soon became close friends and visited each other regularly in Brno, Geneva and Basel. Especially in the 2000s and 2010s, Pavel devoted much of his time and effort to studies on the biology and distribution of phytoplasma vectors in Europe, such as *Cacopsylla* spp. in fruit orchards and planthoppers and leafhoppers in vineyards, which became pests causing significant economic loss. As a taxonomic expert always prepared to readily identify large quantities of Auchenorrhyncha and Psylloidea specimens and deeply acquainted with their life histories, he was frequently asked for collaboration by several research teams focusing on the monitoring of phytoplasma vectors and their control in the Czech Republic, Germany and Italy.

Pavel was a deeply respected member of the central European Auchenorrhyncha working group (Arbeitskreis Zikaden Mitteleuropas) and regularly attended its annual meetings (Zikadentagungen) from their early start in 1994 in Halle an der Saale (Germany). Many of us remember him also from lively discussions and friendly get-togethers at the European Hemiptera Congresses in Amaliapolis (Greece, 1998), Ivrea (Italy, 2007), Velence (Hungary, 2010) (see Fig. 4) and Blagoevgrad (Bulgaria, 2012).



Fig. 4: Pavel Lauterer collecting insects during the 5th European Hemiptera Congress in Velence, Hungary, 2009 (photo: G. Kunz)

In total, Pavel published 169 papers in scientific journals, 16 book chapters, 3 online documents and 18 abstracts of conference presentations. He was also a great populariser of entomology: he authored several dozen articles for Czech professional agricultural and popular science magazines and daily press and created four exhibitions on insects in the Moravian Museum. The last one, "Let the Beetle Live!" travelled with great success through many museums in the Czech Republic in 2000–2003. In his busy schedule as a scientist and curator, he still found a lot of time to inspire and educate young people.

For thirty years from the 1970s until the 1990s he was the head of an entomological circle for primary and secondary school students in Brno. During regular Friday afternoon sessions he educated them on identifying insects, helped with their early scientific activities, gave lectures on various insect groups and organised field excursions, always treating the boys and girls as if they were his own family. He was also advisor for several master and PhD students. Many of his students have retained their interest in entomology to this day, either as amateur or professional biologists. Of them, Prof. Dr. Vojtěch Novotný, Dr. Roland Mühlethaler, Dr. Václav Čermák and the author of this obituary have been publishing on Auchenorrhyncha or Psylloidea.

Pavel Lauterer's legacy, his collection and publications, will undoubtedly serve many future generations. His name has been immortalised in five genera – *Lautereriana* Dworakowska, 1974 (Cicadellidae: Typhlocybinae); *Lautereria* Young, 1977 (Cicadellidae: Cicadellinae); *Lauterodelphax* Asche & Remane, 1983 (Delphacidae, a junior synonym of *Mirabella* Emeljanov, 1982); *Lautereropsis* Burckhardt & Malenovský, 2003 (Psyllidae); and *Pavelauterum* Gnezdilov, 2013 (Issidae). Ten species of Auchenorrhyncha [*Szymczakowskia lautereri* Dworakowska, 1974; *Sundara lautereri* Dworakowska, 1977; *Empoasca lautereri* Mitjaev, 1980; *Eupteryx lautereri* Mühlethaler & Gnezdilov, 2013 (all Cicadellidae: Typhlocybinae); *Thagria lautereri* Nielson, 1977 (Cicadellidae: Coelidiinae); *Rhotanella lautereri* Zelazny, 1981 (Derbidae); *Macrocixius lautereri* Orosz, 2013; *Neobenarella paveli* Holzinger, Holzinger & Egger, 2013 (both Cixiidae); *Lanaphora paveli* Asche, 2013 (Delphacidae); and *Platymetopius pavelitus* D'Urso, Bückle & Guglielmino, 2013 (Cicadellidae: Deltocephalinae)], seven species of Psylloidea, seven species of Heteroptera, five species of Diptera and one species of Hymenoptera (Dryinidae) have been also named in his honour. But his exceptional friendly and encouraging attitude, deep and universal knowledge, indefatigable enthusiasm and his sense of humour will be sorely missed by all those who knew him personally.

References to previous biographies and bibliographies of Pavel Lauterer

- Vavřínová I. (1993): Sixtieth birthday of RNDr. Pavel Lauterer. – *Acta Musei Moraviae, Scientiae Biologicae* 78: 219-223.
- Witsack W. (1998): Zum 65. Geburtstag von RNDr. Pavel Lauterer. – *Beiträge zur Zikadenkunde* 2: 3-8.
- Malenovský I., Burckhardt D. (2003): Pavel Lauterer at Seventy. – *Acta Musei Moraviae, Scientiae Biologicae* 88: 181-190.
- Malenovský I., Burckhardt D., Drosopoulos S. (2013): RNDr. Pavel Lauterer, on the occasion of his eightieth birthday. – *Acta Musei Moraviae, Scientiae Biologicae* 98(2): 11-19.

Bibliography: papers in scientific journals, book chapters and electronic publications, 1998–2019

(a continuation from Witsack 1998, Beiträge zur Zikadenkunde 2: 3-8)

- Lauterer P. (1998): Pipunculidae. – In: Rozkošný R., Vaňhara J. (eds.): Diptera of the Pálava Biosphere Reserve of UNESCO. – Folia Facultatis Scientiarum Naturalium Universitatis Masarykianae Brunensis, Biologia 99: 215-219.
- Lauterer P., Broumas T., Drosopoulos S., Souliotis C., Tsourgianni A. (1998): Species of the genus *Agonosceca* (Homoptera, Psyllidae), pests of *Pistacia* and first record of *A. pistaciae* in Greece. – Annales de l'Institut Phytopathologique Benaki (N.S.) 18: 123-128.
- Lauterer P. (1999): Results of the investigations on Hemiptera in Moravia made by the Moravian museum (Psylloidea 2). – Acta Musei Moraviae, Scientiae Biologicae 84: 71-151.
- Burckhardt D., Holzinger W.E., Kofler A., Lauterer P. (1999): Vorläufiges Verzeichnis der Blattflöhe Kärntens (Insecta: Sternorrhyncha: Psylloidea). – In: Rottenburg T., Wieser C., Mildner P., Holzinger W.E. (eds.): Rote Listen gefährdeter Tiere Kärntens. – Naturschutz in Kärnten 15: 421-424.
- Sander F.W., Achtziger R., Lauterer P., Funke T., Holzinger W.E., Kammerlander I., Nickel H., Orosz A., Witsack W. (1999): Beitrag zur Kenntnis der Zikaden- und Blattflohfauna (Auchenorrhyncha und Psylloidea) der Oberlausitz unter besonderer Berücksichtigung des Naturschutzgebietes „Niederspreewald“. – Beiträge zur Zikadenkunde 3: 81-89.
- Lauterer P. (2000): First reports of some leafhoppers (Auchenorrhyncha: Cicadellidae) from the Czech Republic and notes from Slovakia. – Acta Musei Moraviae, Scientiae Biologicae 85: 327-332.
- Nickel H., Achtziger R., Lauterer P., Malenovský I., Weis A., Witsack W. (2001): Zur Fauna der Zikaden, Wanzen, Blattflöhe und Augenfliegen des Kyffhäusergebirges (Hemiptera: Auchenorrhyncha, Heteroptera et Psylloidea; Diptera: Pipunculidae). – Beiträge zur Zikadenkunde 4: 75-80.
- Lauterer P. (2002): Mery (Sternorrhyncha, Psylloidea) Jizerských hor. (The jumping plant-lice (Sternorrhyncha, Psylloidea) of the Jizerské hory mountains.) – Sborník Severočeského Muzea, Přírodní Vědy 22: 85-99 (in Czech, English summary).
- Lososová Z., Danihelka J., Chytrý M., Hluchý M., Víték P., Marek J., Škorpík M., Bezděk J., Průdek P., Poisel J., Lauterer P., Bagar M., Kment P., Bryja J., Janšta P. (2001): Předběžné výsledky monitoringu biodiverzity vinic a přilehlých lesostepních lokalit CHKO Pálava a NP Podyjí. [Preliminary results of biodiversity monitoring in vineyards and adjacent open thermophilous woodland in the Pálava Protected Landscape Area and the Podyjí National Park.] – Thayensia 4: 205-208 (in Czech).
- Burckhardt D., Lauterer P. (2002): Revision of the Central European *Trioza rotundata* Flor complex (Hemiptera, Psylloidea): taxonomy and bionomy. – Mitteilungen der Schweizerischen Entomologischen Gesellschaft 75: 21-34.
- Lauterer P. (2002): Citrus flatid planthopper – *Metcalfa pruinosa* (Hemiptera: Flatidae), a new pest of ornamental horticulture in the Czech Republic. – Plant Protection Science 38: 145-148.
- Lauterer P., Malenovský I. (2002): *Metcalfa pruinosa* (Say, 1830) introduced into the Czech Republic (Hemiptera, Flatidae). – Beiträge zur Zikadenkunde 5: 10-13.
- Lauterer P., Malenovský I. (2002): New distributional and biological data on European Psylloidea (Hemiptera, Sternorrhyncha), with special reference to the fauna of the Czech Republic and Slovakia. – Entomologica Basiliensia 24: 161-177.
- Lauterer P. (2002): Hmyz a jiní bezobratlí. (Insects and other invertebrates.) – In: Klápště J. (ed.): Archeologie středověkého domu v Mostu (čp. 226). (The archaeology of a medieval house (No. 226) in Most.) – Mediaevalia Archaeologica 4: 181-183 (in Czech, English abstract).
- Burckhardt D., Lauterer P. (2002): *Trioza flixiana* sp. n. (Hemiptera, Psylloidea), a new jumping plant-louse species from Central Europe. – Revue Suisse de Zoologie 109: 799-802.

- Kocourek F., Holman J., Lauterer P., Novák I., Zahradník J., Kapitola P., Kabíček J., Pultar O., Holý K., Barnet M., Stiglitz P., Lukáš J., Král D., Strojček J., Háněl L., Hřebíček J., Kubíková M., Zbuzek B., Vilímová J., Šedivý J., Barták M., Skuhrová M., Černý M., Stejskal V., Kučerová Z., Žďárková E. (2002): Živočišní škůdci. (Pests.) – In: Kúdela V., Kocourek F. (eds.): Seznam škodlivých organismů rostlin. (List of pest injurious to plants.) – Agrospoj, Praha, pp. 92-203 (in Czech, English preface).
- Burckhardt D., Lauterer P. (2003): Verzeichnis der Blattflöhe (Psylloidea) Deutschlands. – In: Klausnitzer B. (ed.): Entomofauna Germanica, Band 6. – Entomologische Nachrichten und Berichte, Suppl. 8: 155-164.
- Lauterer P. (2003): First reports of some Pipunculidae (Diptera) from the Czech Republic and Slovakia with a note from Germany. – Acta Musei Moraviae, Scientiae Biologicae 88: 31-35.
- Lauterer P. (2003): Poznámky o některých druzích rodu *Formica* na hranicích okresů Blansko a Žďár nad Sázavou (Česká republika). (Notes of several findings of ants of the genus *Formica* in frontiers of the districts Blansko and Žďár nad Sázavou.) – Formica 6: 54-59 (in Czech, English summary).
- Nickel H., Billen W., Günthart H., Lauterer P., Locker H., Malenovský I., Mühlethaler R., Schürer B., Witsack W. (2003): Zur Fauna der Zikaden, Wanzen und Augenfliegen des Kaiserstuhls (Hemiptera: Auchenorrhyncha et Heteroptera; Diptera: Pipunculidae). – Beiträge zur Zikadenkunde 6: 39-46.
- Nickel H., Holzinger W., Lauterer P., Remane R., Witsack W. (2003): Die Spornzikaden-Gattung *Metropis* Fieber, 1866 in Mitteleuropa (Hemiptera: Fulgoromorpha: Delphacidae). – Beiträge zur Zikadenkunde 6: 47-52.
- Preisler J., Lauterer P. (2003): Some new species of planthoppers and leafhoppers for the Czech Republic and Slovakia (Hemiptera, Auchenorrhyncha). – Beiträge zur Zikadenkunde 6: 53-56.
- Wyniger D., Mühlethaler R., Lauterer P., Burckhardt D. (2003): Blattflöhe, Zikaden und Landwanzen (Hemiptera) im Naturschutzgebiet Wildenstein. – Mitteilungen der Naturforschenden Gesellschaften beider Basel 7: 293-304.
- Fialová R., Navrátil M., Válová P., Lauterer P., Kocourek F., Poncarová-Voráčková Z. (2004): Epidemiology of European stone fruit yellows phytoplasma in the Czech Republic. – Acta Horticulturae 657: 483-487.
- Günthart H., Mühlethaler R., Lauterer P. (2004): Für die Schweiz neue Zikadenarten und Ergänzungen zu bereits bekannten Arten (Hemiptera, Auchenorrhyncha). – Mitteilungen der Entomologischen Gesellschaft Basel 54: 150-160.
- Lauterer P. (2004): Eneolitické a středověké nálezy mravenců (Hymenoptera, Formicidae) v České republice. (Eneolithic and medieval ant findings in Czech Republic.) – Formica 7: 71-75 (in Czech, English summary).
- Lauterer P. (2004): Křísi – Auchenorrhyncha. – In: Józsa M., Vonička P. (eds.): Jizerskohorská rašeliniště. [Peatbogs of the Jizerské hory Mts.] Jizersko-ještědský horský spolek, Liberec, pp. 75-76 (in Czech).
- Lauterer P., Burckhardt D. (2004): The West Palaearctic species of the *Craspedolepta flavipennis* (Foerster) complex (Hemiptera, Psylloidea). – Mitteilungen der Schweizerischen Entomologischen Gesellschaft 77: 261-275.
- Navrátil M., Fialová R., Kocourek F., Lauterer P., Válová P., Šafářová D., Poncarová-Voráčková Z. (2004): Problems on European stone fruit yellows in the Czech Republic. – Acta Fytotechnica et Zootechnica 7: 217-219.
- Batelka J., Straka J., Malenovský I., Lauterer P. (2005): Strepsiptera (řasnokřídli). – In: Farkač J., Král D., Škorpík M. (eds.): Červený seznam ohrožených druhů České republiky. Bezobratlí. Red list of threatened species in the Czech Republic. Invertebrates. – Agentura ochrany přírody ČR, Praha, Pp. 559-561 (in Czech and English).
- Kocourek F., Lauterer P. (2005): QD 1048. Systémy integrované ochrany ovocných dřevin proti komplexu škodlivých organismů. Metodika pro monitoring mery *Cacopsylla pruni* jako přenašeče ESFY a podklady pro ochranu vůči přenašeči ESFY. [Methods for monitoring of the psyllid *Cacopsylla pruni* as

- a vector of ESFY and data for protection against the vector of ESFY.] – VÚRV, Praha-Ruzyně, 9 pp. Available online: http://www.vurv.cz/files/Publications/Metodika_Cpruni.pdf (in Czech).
- Lauterer P. (2005): New records and hosts for the parasitoid *Halictophagus agalliae* (Strepsiptera: Halictophagidae). – *Acta Musei Moraviae, Scientiae Biologicae* 90: 215-217.
- Lauterer P., Malenovský I. (2005): Psylloidea (mery). – In: Farkač J., Král D., Škorpík M. (eds.): Červený seznam ohrožených druhů České republiky. Bezobratlí. Red list of threatened species in the Czech Republic. Invertebrates. – Agentura ochrany přírody ČR, Praha, pp. 156-159 (in Czech and English).
- Malenovský I., Lauterer P. (2005): Auchenorrhyncha (křísi). – In: Farkač J., Král D., Škorpík M. (eds.): Červený seznam ohrožených druhů České republiky. Bezobratlí. Red list of threatened species in the Czech Republic. Invertebrates. – Agentura ochrany přírody ČR, Praha, pp. 147-155 (in Czech and English).
- Malenovský I., Lauterer P. (2005): Leafhoppers, planthoppers and psyllids (Hemiptera, Cicadomorpha, Fulgoromorpha, Psylloidea) in ruderal habitats: material attracted by light in the suburbs of Brno (Czech Republic). – *Acta Musei Moraviae, Scientiae Biologicae* 90: 195-207.
- Burckhardt D., Lauterer P. (2006): The Palaearctic Triozids associated with Rubiaceae (Hemiptera, Psylloidea): a taxonomic re-evaluation of the *Trioza galii* Foerster complex. – *Revue Suisse de Zoologie* 113: 269-286.
- Lauterer P. (2006): Pipunculidae Walker, 1834. – In: Jedlička L., Stloukalová V., Kúdela M. (eds.): Checklist of Diptera of the Czech Republic and Slovakia. Electronic version 1. – Available online: <http://zoology.fns.uniba.sk/diptera2006> and on CD-ROM (ISBN 80-969629-0-6).
- Lauterer P., Malenovský I. (2006): Hlavatěnkovití (Pipunculidae, Diptera) CHKO Kokořínsko. (Big-headed flies (Pipunculidae, Diptera) of Kokořínsko Protected Landscape Area.) – *Bohemia Centralis* 27: 457-466 (in Czech, English abstract).
- Lauterer P., Malenovský I. (2006): New records of Pipunculidae (Diptera) from the Czech Republic. – *Entomofauna Carpathica* 18: 37-38.
- Lauterer P., Malenovský I. (2006): *Japananus hyalinus* (Osborn, 1900) – křísek; *Metcalfa pruinosa* Say, 1830 – voskovka zavlečená; *Psylla buxi* (Linnaeus, 1758) – mera zimozrázová. – In: Mlíkovský J., Stýblo P. (eds.): Nepůvodní druhy fauny a flóry České republiky. [Alien species in the fauna and flora of the Czech Republic.] – Český svaz ochránců přírody, Praha, pp. 267-268, 289 (in Czech).
- Malenovský I., Lauterer P. (2006): Cicadomorpha – křísci a Fulgoromorpha – svítilky; *Stictocephala bisonia* Kopp & Yonke, 1977 – ostnohřbetka ovocná; *Eupteryx melissae* Curtis, 1837 – pidikřísek; Psylloidea – mery; *Arytaina genistae* (Latreille, 1804) – mera janovcová; *Cacopsylla hippophaes* (Förster, 1848) – mera rakytníková; *Livilla variegata* (Löw, 1881) – mera štědřencová. – In: Mlíkovský J., Stýblo P. (eds.): Nepůvodní druhy fauny a flóry České republiky. [Alien species in the fauna and flora of the Czech Republic.] – Český svaz ochránců přírody, Praha, pp. 266-267, 269-271, 274, 277-279, 281, 285-286 (in Czech).
- Burckhardt D., Lauterer P., Niedringhaus R. (2007): Die Blattflöhe der Sammlung Struve von der Nordseeinsel Borkum (Hemiptera, Psylloidea). – *Beiträge zur Zikadenkunde* 9: 39-44.
- Fialová R., Navrátil M., Lauterer P., Navrkalová V. (2007): "*Candidatus* Phytoplasma prunorum, the phytoplasma infection of *Cacopsylla pruni* from apricot orchards and from overwintering habitats in Moravia (Czech Republic). – *Bulletin of Insectology* 60: 183-184.
- Kučerová J., Talácko L., Lauterer P., Navrátil M., Fialová R. (2007): Molecular tests to determine *Candidatus* Phytoplasma pyri presence in psyllid vectors from a pear tree orchard in the Czech Republic – a preliminary report. – *Bulletin of Insectology* 60: 191-192.
- Lauterer P. (2007): Svítilky, křísi, mšicosaví [Fulgoromorpha, Cicadomorpha, Sternorrhyncha.] – In: Hudec K., Kolibáč J., Laštůvka Z., Peňáz M. (eds.): Příroda České republiky. Průvodce faunou. [Nature of the Czech Republic. A field guide to the fauna.] First edition. – Academia, Praha, pp. 148-157 (in Czech).

- Lauterer P., Dorow W.H.O. (2007): Psylloidea (Blattflöhe). – In: Dorrow W.H.O., Koepelke J.P. (eds.): Hohestein. Zoologische Untersuchungen 1994-1996, Teil 2. – Mitteilungen der Hessischen Landesforstverwaltung 42: 95-101.
- Mühlethaler R., Günthart H., Burckhardt D., Holzinger W., Kunz G., Lauterer P., Maczey N., Malenovský I., Nickel H., Niedringhaus R., Seljak G., Walter S., Witsack W. (2007): Zur Fauna der Zikaden, Blattflöhe und deren Parasitoide der Alp Flix (Graubünden, Schweiz). (Hemiptera: Auchenorrhyncha et Psylloidea; Diptera: Pipunculidae, Strepsiptera: Elenchidae). – Beiträge zur Zikadenkunde 9: 45-53.
- Suchá J., Talácko L., Lauterer P., Navrátil M., Fialová R. (2007): Molekulární determinace přítomnosti pear decline fytoplazem v merách vyskytujících se ve výsadbě hrušní v České republice předběžná zpráva. [Molecular identification of a presence of pear decline phytoplasmas in psyllids occurring in pear tree plantations in the Czech Republic – a preliminary report.] – In: Inovace pěstování ovocných plodin. [Innovation of fruit growing.] – Výzkumný a šlechtitelský ústav ovocnářský Holovousy, s.r.o., Holovousy, pp. 53-58. (in Czech).
- Burckhardt D., Lauterer P., Niedringhaus R. (2008): Die Pflanzenläuse der Ostfriesischen Inseln (Hemiptera: Sternorrhyncha). Zum Kenntnisstand über die Fauna der Blattflöhe, Schild- und Blattläuse (Psylloidea, Coccoidea, Aphidoidea). – Schriftenreihe Nationalpark Niedersächsische Wattenmeer 11: 179-184.
- Burckhardt D., Mühlethaler R., Lauterer P., Malenovský I., Kunz G. (2008): Die Blattflöhe und Zikaden der Alp Flix (Insecta, Hemiptera: Psylloidea und Auchenorrhyncha). – Jahresbericht der Naturforschenden Gesellschaft Graubünden 114: 91-97.
- Čermák V., Lauterer P. (2008): Overwintering of psyllids in South Moravia (Czech Republic) with respect of the vectors of the Apple Proliferation cluster phytoplasmas. – Bulletin of Insectology 61: 147-148.
- Fialová R., Navrátil M., Válová P., Lauterer P. (2008): Molecular tests to determine Apple Proliferation Phytoplasma presence in psyllid vectors from apple tree orchards in the Czech Republic. – In: Caglayan K., Ertunc F. (eds.): Proceedings of the XXth International Symposium on Virus- and Viruslike Diseases of Temperate Fruit Crops. Antalya, Turkey, May 22-26, 2006. – Acta Horticulturae 781: 471-475.
- Lauterer P., Malenovský I., Straka J. (2008): Žasnokřídílí (Strepsiptera) Jizerských hor a Frýdlantska. (Strepsiptera of the Jizerské hory Mts. and Frýdlant region (northern Bohemia, Czech Republic)). – Sborník Severočeského Muzea, Přírodní Vědy 26: 89-93 (in Czech, English summary).
- Seljak G., Malenovský I., Lauterer P. (2008): New records of jumping plant-lice from Slovenia with description of *Bactericera lyrata* sp. n. (Hemiptera: Psylloidea). – Revue Suisse de Zoologie 115: 527-540.
- Tedeschi R., Lauterer P., Bertignono L., Alma A. (2008): Hawthorn psyllid fauna in northwestern Italy. – Bulletin of Insectology 61: 143-144.
- Alma A., Bocca M., Čermák V., Chen P.P., D'Urso V., Exnerová A., Goula M., Guglielmino A., Kunz G., Lauterer P., Malenovský I., Mazzoglio P.J., Aldini N.R., Ouvrard D., Remane R., Rintala T., Seljak G., Söderman G., Soulier-Perkins A., Štys P., Talvella L., Tedeschi R., Wilson M. (2009): Insecta Hemiptera collected in the Mont Avic Natural Park (Aosta Valley, Northwest Italy). – Revue Valdôtaine d'Histoire Naturelle 63: 109-124.
- Alma A., Chen P.P., D'Urso V., Guglielmino A., Hollier J., Kunz G., Lauterer P., Malenovský I., Mazzoglio P.J., Nickel H., Aldini R.N., Rintala T., Seljak G., Seyring M., Söderman G., Wilson M., Witsack W. (2009): Auchenorrhyncha collected in the Canavese district (Northwest Italy) (Hemiptera, Auchenorrhyncha). – Cicadina 10: 119-125.
- Burckhardt D., Lauterer P. (2009): Faunistic and taxonomic notes on jumping plant-lice from the Alps (Hemiptera: Psylloidea: Aphalarinae). – Contributions to Natural History 12: 341-348.
- Burckhardt D., Lauterer P. (2009): Taxonomy of psyllids (Hemiptera, Psylloidea) associated with apple and stone fruits in Central and Southern Europe. – Mitteilungen der Schweizerischen Entomologischen Gesellschaft 82: 253-257.

- Jarausch B., Burckhardt D., Lauterer P., Jarausch W. (2009): Psyllids (Hemiptera: Psylloidea) captured in commercial apple and stone fruit orchards in southwest Germany, eastern France and northwest Switzerland. – *Mitteilungen der Schweizerischen Entomologischen Gesellschaft* 82: 205-215.
- Lauterer P. (2009): First record of *Tomosvaryella rossica* (Diptera: Pipunculidae) from the Czech Republic. – *Folia Faunistica Slovaca* 14: 99-100.
- Lauterer P. (2009): Pipunculidae Walker, 1834. – Jedlička L., Kúdela M., Stloukalová V. (eds.): Checklist of Diptera of Czech Republic and Slovakia. Electronic version 2. – Available online: <http://zoology.fns.uniba.sk/diptera2009> + CD-ROM (ISBN 978-80-969629-4-5).
- Mühlethaler R., Burckhardt D., Lauterer P., Nagel P. (2009): Taxonomy and biogeography of Central European *Kybos* (Insecta, Hemiptera, Cicadellidae). – *Deutsche Entomologische Zeitschrift* 56: 15-40.
- Navrátil M., Válová P., Fialová R., Lauterer P., Šafářová D., Starý M. (2009): The incidence of stolbur disease and associated yield losses in vegetable crops in South Moravia (Czech Republic). – *Crop Protection* 28: 898-904.
- Tedeschi R., Lauterer P., Brusetti L., Tota F., Alma A. (2009): Composition, abundance and phytoplasma infection in the hawthorn psyllid fauna of northwestern Italy. – *European Journal of Plant Pathology* 123: 301-310.
- Lauterer P., Dorow W.H.O. (2010): Die Blattflöhe (Psylloidea) des Naturwaldreservats Goldbachsund Ziebachsrück (Hessen), Untersuchungszeitsraum 1994–1996. – In: Dorow W.H.O., Blick T., Koepelke J.P. (eds.): Naturwaldreservats in Hessen. Band 11/2.2: Goldbachs- und Ziebachsrück. Zoologische Untersuchungen. 1994–1996. Teil 2. – *Mitteilungen der Hessischen Landesforstverwaltung* 46: 99-110.
- Malenovský I., Lauterer P. (2010): Additions to the fauna of planthoppers and leafhoppers (Hemiptera: Auchenorrhyncha) in the Czech Republic. – *Acta Musei Moraviae, Scientiae Biologicae* 95(1): 49-122.
- Guglielmino A., Lauterer P., Bückle C. (2011): *Eupteryx cytinsularis*, a new species of the *melissae* group (Rhynchotha Auchenorrhyncha Cicadellidae) from Sicily, Sardinia and Corsica. – *Bulletin of Insectology* 64: 23-26.
- Holý K., Macek J., Lauterer P. (2011): Occurrence of Ibalidae (Hymenoptera: Cynipoidea) in the Czech Republic. – *Sborník Severočeského Muzea, Přírodní Vědy* 29: 201-210.
- Lauterer P. (2011): Psyllids (Hemiptera, Psylloidea) inhabiting the canopy and shrub layer of an oak and hornbeam forest in Báb near Nitra (Slovakia). – *Folia Faunistica Slovaca* 16: 77-76.
- Lauterer P. (2011): First finding of *Porphyrophora polonica* (Hemiptera: Coccoidea: Margarodidae) in Slovakia. – *Folia Faunistica Slovaca* 16: 77-78.
- Lauterer P., Bartoš R., Milonas P. (2011): First records of the jumping plant-louse *Acizzia jamatonica* (Kuwayama) (Hemiptera: Sternorrhyncha: Psyllidae) in Slovakia and Greece. – *Plant Protection Science* 47: 40-43.
- Lauterer P., Malenovský I., Špryňar P. (2011): Invasion of the treehopper *Stictocephala bisonia* (Hemiptera: Cicadomorpha: Membracidae) into the Czech Republic: current distribution and first records from Bohemia. – *Klapalekiana* 47: 67-73.
- Ludvíková H., Lauterer P., Suchá J., Fránová J. (2011): Monitoring of psyllid species (Hemiptera, Psylloidea) in apple and pear orchards in East Bohemia. – *Bulletin of Insectology* 64(Suppl.): 121-122.
- Šafářová D., Lauterer P., Korbasová Z., Starý M., Válová P., Navrátil M. (2011): *Hyalesthes obsoletus*, a vector of stolbur phytoplasma: current situation in South Moravia, Czech Republic. – *Bulletin of Insectology* 64(Suppl.): 127-128.
- Malenovský I., Lauterer P. (2012): Jumping plant-lice (Hemiptera: Psylloidea) of the Bílé Karpaty Protected Landscape Area and Biosphere Reserve (Czech Republic). – In: Malenovský I., Kment P., Konvička O. (eds.): Species inventories of selected insect groups in the Bílé Karpaty Protected Landscape Area and Biosphere Reserve (Czech Republic). – *Acta Musei Moraviae, Scientiae Biologicae* 96(2): 105-154.

- Malenovský I., Lauterer P. (2012): Leafhoppers and planthoppers (Hemiptera: Auchenorrhyncha) of the Bílé Karpaty Protected Landscape Area and Biosphere Reserve (Czech Republic). – In: Malenovský I., Kment P., Konvička O. (eds.): Species inventories of selected insect groups in the Bílé Karpaty Protected Landscape Area and Biosphere Reserve (Czech Republic). – Acta Musei Moraviae, Scientiae Biologicae 96(2): 155-322.
- Malenovský I., Lauterer P., Labina E., Burckhardt D. (2012): Jumping plant-lice (Homoptera: Psylloidea) of Afghanistan. – Acta Entomologica Musei Nationalis Pragae 52: 1-22.
- Lauterer P. (2013): Křísi. [Leafhoppers and planthoppers.] – In: Karpaš R., Višňák R., Vonička P. (eds.): Jizerské hory. O rašeliništích, květeně a zvířené. [Jizerské hory Mts. On peatbogs, flora and fauna.] – Nakladatelství RK, Liberec, pp. 307-308 (in Czech).
- Lauterer P. (2013): Mery. [Jumping plant-lice.] Pp. 308. – In: Karpaš R., Višňák R., Vonička P. (eds.): Jizerské hory. O rašeliništích, květeně a zvířené. [Jizerské hory Mts. On peatbogs, flora and fauna.] – Nakladatelství RK, Liberec, p. 308 (in Czech).
- Starý M., Válová P., Šafářová D., Lauterer P., Ackermann P., Navrátil M. (2013): Survey and molecular detection of Bois noir in vineyards of the Czech Republic – short communication. – Horticultural Science 40: 83-87.
- Chroboková E., Suchá J., Ludvíková H., Lauterer P. (2014): Occurrence of potential vectors of phytoplasma in pear orchards with different plantation management. – Horticultural Science 41: 107-113.
- Lauterer P., Malenovský I., Preisler J., Vonička P. (2017): Křísi (Hemiptera: Auchenorrhyncha) Jizerských hor, Frýdlantska a okolí Liberce. (Auchenorrhyncha (Hemiptera) of the Jizerské hory Mts, Frýdlant region and Liberec environs (northern Bohemia, Czech Republic).) – Sborník Severočeského Muzea, Přírodní Vědy 35: 13-98 (in Czech, English summary).
- Malenovský I., Lauterer P. (2017): Auchenorrhyncha (křísi). – In: Hejda R., Farkač J., Chobot K. (eds.): Červený seznam ohrožených druhů České republiky. Bezobratlí. (Red List of threatened species of the Czech Republic. Invertebrates.) – Příroda (Praha) 36: 148-160 (in Czech and English).
- Malenovský I., Lauterer P. (2017): Psylloidea (mery). – In: Hejda R., Farkač J., Chobot K. (eds.): Červený seznam ohrožených druhů České republiky. Bezobratlí. (Red List of threatened species of the Czech Republic. Invertebrates.) – Příroda (Praha) 36: 161-165 (in Czech and English).
- Šafářová D., Lauterer P., Starý M., Válová P., Navrátil M. (2018): Insight into epidemiological importance of phytoplasma vectors in vineyards in South Moravia, Czech Republic. – Plant Protection Science 54: 234-239.
- Lauterer P., Malenovský I. (2019): Křísi. [Auchenorrhyncha.] – In: Kolibáč J., Hudec K., Laštůvka Z., Peňáz M. (eds.): Příroda České republiky. Průvodce faunou. [Nature of the Czech Republic. A field guide to the fauna.] Second revised edition. Academia, Praha, pp. 162-167 (in Czech).
- Malenovský I., Lauterer P. (2019): Mšicosaví. [Sternorrhyncha.] – In: Kolibáč J., Hudec K., Laštůvka Z., Peňáz M. (eds.): Příroda České republiky. Průvodce faunou. [Nature of the Czech Republic. A field guide to the fauna.] Second revised edition. Academia, Praha, pp. 168-175 (in Czech).
- Malenovský I., Aguin-Pombo D., Lauterer P. (2020): The leafhopper genus *Edwardsiana* (Hemiptera: Cicadellidae: Typhlocybinae) in Greece, with descriptions of two new species and notes on the fauna of other European countries and Turkey. – Manuscript submitted to Zootaxa.

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