

Mikát M., Janošík L., Černá K., Matoušková E., Hadrava J., Bureš V. & Straka J. 2019: Polyandrous bee provides extended offspring care biparentally as an alternative to monandry based eusociality. *Proceedings of the National Academy of Sciences of the USA* 116: 6238–6243.

Schmid-Egger C., Straka J., Ljubomirov T., Blagoev G.A., Morinière J. & Schmidt S. 2019. DNA barcodes identify 99 per cent of apoid wasp species (Hymenoptera: Ampulicidae, Crabronidae, Sphecidae) from the Western Palearctic. *Molecular Ecology Resources* 19: 476–484.

Benda D., Nakase Y. & Straka J. 2019: Frozen Antarctic path for dispersal initiated parallel host-parasite evolution on different continents. *Molecular Phylogenetics and Evolution* 135: 67–77.

Schmid-Egger C. & Straka J. 2019. Miscophus Jurine, 1807 (Hymenoptera, Crabronidae) in Central, Northern, and Eastern Europe. *Zootaxa* 4571: 334–346.

Straka J. 2019: Strepsiptera of Canada. *ZooKeys* 819: 377–382.

Polce C., Maes J., Rotllan-Puig X., Michez D., Castro L., Cederberg B., Dvorak L., Fitzpatrick Ú., Francis F., Neumayer J., Manino A., Paukkunen J.P.T., Pawlikowski T., Roberts S.P.M., Straka J. & Rasmont P. 2018: Distribution of bumblebees across Europe. *One Ecosystem* 3: e28143.

Talašová A., Straka J., Hadrava J., Benda D., Kocourek F. & Kazda J. 2018: High degree of philopatry is required for mobile insects used as local indicators in biodiversity studies. *Ecological Indicators* 94: 99–103.

Marshall L., Biesmeijer J.C., Rasmont P., Vereecken N.J., Dvorak L., Fitzpatrick U., Francis F., Neumayer J., Ødegaard F., Paukkunen J.P.T., Pawlikowski T., Reemer M., Roberts S.P.M., Straka J., Vray S. & Dendoncker N. 2018: The interplay of climate and land use change affects the distribution of EU bumblebees. *Global Change Biology* 24: 101–116.

Černá K., Munclinger P., Vereecken N.J. & Straka J. 2017: Mediterranean lineage endemism, cold-adapted palaeodemographic dynamics and recent changes in population size in two solitary bees of the genus *Anthophora*. *Conservation Genetics* 18: 521–538.

Straka J., Batelka J. & Pauly A. 2017: Bees of the Socotra Archipelago (Hymenoptera: Anthophila), their biogeography and association with parasites. *Acta Entomologica Musei Nationalis Pragae* 57: 183–219.

Mikat M., Cerna K. & Straka J. 2016: Major benefits of guarding behavior in subsocial bees: implications for social evolution. *Ecology and Evolution* **6(19)**: 6784-6797.
10.1002/ece3.2387

Nesuta O., Hexnerova R., Budesinsky M., Slaninova J., Bednarova L., Hadravova R., Straka J., Veverka V. & Cerovsky V. 2016: Antimicrobial peptide from the wild bee *Hylaeus signatus* venom and its analogues: structure-activity study and synergistic effect with antibiotics. *Journal of Natural Products* **79(4)**
: 1073-1083. 10.1021/acs.jnatprod.5b01129

Straka J. 2016: *Tachysphex austriacus* Kohl, 1892 and *T. pompiliformis* (Panzer, 1804) (Hymenoptera, Crabronidae) are a complex of fourteen species in Europe and Turkey. *ZooKeys* **577**
: 63-123. 10.3897/zookeys.577.7301

Tropek R., Cerna I., Straka J., Kocarek P., Malenovsky I., Tichanek F., Sebek P. 2016: In search for a compromise between biodiversity conservation and human health protection in restoration of fly ash deposits: effect of anti-dust treatments on five groups of arthropods. *Enviro*

Environmental Science and Pollution Research

23(14)

:

13653-13660

. DOI:10.1007/s11356-015-4382-1

Straka J., Alqarni A. S., Jůzová K., Hannan M. A. Hinojosa-Díaz I.A. & Engel M.S. 2015: Rediscovered parasitism of *Andrena savignyi* Spinola (Hymenoptera, Andrenidae) by *Stylops* (Strepsiptera, Stylopidae) and revised taxonomic status of the parasite.

ZooKeys

519

: 117

-

139.

Özbek H., Bogusch P. & Straka J. 2015: A contribution to the kleptoparasitic bees of Turkey: Part I., the genus *Sphecodes* Latreille (Hymenoptera: Halictidae). *Turkish Journal of Zoology* **39** : 1095-1109.

Bogusch P., Astapenková A., Heneberg P. 2015: Larvae and Nests of Six Aculeate Hymenoptera (Hymenoptera: Aculeata) Nesting in Reed Galls Induced by *Lipara* spp. (Diptera: Chloropidae) with a Review of Species Recorded. *PLoS ONE* **10(6)**: e0130802.

Bogusch P., Blažej L., Trýzna M., Heneberg P. 2015: Forgotten role of fires in Central European forests: Critical importance of early post-fire successional stages for bees and wasps (Hymenoptera: Aculeata). *European Journal of Forest Research* **18**: 1123-1136.

Straka J., Jůzová K., Nakase Y. 2015: Nomenclature and taxonomy of the genus *Stylops* (Strepsiptera): an annotated preliminary world checklist. *Acta Entomologica Musei Nationalis Pragae* **55(1)**: 305-332.

Bartoš M., Tropek R., Spitzer L., Padyšáková E., Janšta P., Straka J., Tkoč M., Janeček Š. 2015: Specialization of pollination systems of two co-flowering phenotypically generalized *Hypericum* species (Hypericaceae) in Cameroon. *Arthropod-Plant Interactions* **9**: 241-252.

DOI:10.1007/s11829-015-9378-8

Jůzová K., Nakase Y. & Straka J. 2015: Host specialization and species diversity in the genus *Stylops* (Strepsiptera: Stylopidae), revealed by molecular phylogenetic analysis. *Zoological Journal of the Linnean Society* **174(2)**: 228-243. DOI: 10.1111/zoj.12233

Cujova S., Bednarova L., Slaninova J., Straka J. & Cerovsky V. 2014: Interaction of a novel antimicrobial peptide isolated from the venom of solitary bee *Colletes daviesanus* with phospholipid vesicles and *Escherichia coli* cells. *Journal of Peptide Science* **20(11)**: 885-895. DOI: 10.1002/psc.2681

Heneberg P., Bogusch P. 2014: To enrich or not to enrich? Are there any benefits of using multiple colors of pan traps when sampling aculeate Hymenoptera? *Journal of Insect Conservation* **134**: 153-166.

Heneberg P., Bogusch P., Astapenková A. 2014: Reed galls serve as an underestimated but critically important resource for an assemblage of aculeate hymenopterans. *Biological Conservation* **172**: 146–154.

Monincova L., Veverka V., Slaninova J., Budesinsky M., Fucik V., Bednarova L., Straka J. & Cerovsky V. 2014: Structure-activity study of macropin, a novel antimicrobial peptide from the venom of solitary bee *Macropis fulvipes* (Hymenoptera: Melittidae). *Journal of Peptide Science* **20(6)**: 375-384. DOI: 10.1002/psc.2625

Straka J., Jůzová K. & Batelka J. 2014: A new genus of Strepsiptera, *Rozenia* gen. n. (Stylopidae), a parasite of bee genera *Acamptopoeum* and *Calliopsis*

(Andrenidae, Panurginae, Calliopsini).

ZooKeys

442:

31-49. DOI: 10.3897/zookeys.442.7747

Tropek R., Cerna I., Straka J. Kadlec T., Pech P., Tichanek F. & Sebek P. 2014: Restoration management of fly ash deposits crucially influence their conservation potential for terrestrial arthropods. *Ecological Engineering* **73**: 45–52. DOI: 10.1016/j.ecoleng.2014.09.011

Straka J., Černá K., Macháčková L., Zemenová M. & Keil P. 2014: Lifespan in the wild: the role of activity and climate in natural populations of bees. *Functional Ecology* **28(5)**: 1235-1234. DOI: 10.1111/1365-2435.12261

[Řehoř I., Macháčková L., Bučánková A., Matějková S., Černá K. & Straka J. 2014: Measuring the sugar consumption of larvae in bumblebee micro-colonies: A promising new method for tracking food economics in bees.](#)

[Apidologie](#)

[45\(1\)](#)

[116-128. DOI: 10.1007/s13592-013-0233-6](#)

[Černá K., Zemenová M., Macháčková L., Kolínová Z. & Straka J. 2013: Neighbourhood society: nesting dynamics, usurpations and social behaviour in solitary bees.](#) *P LoS ONE* **8**

[\(9\): e73806. DOI:10.1371/journal.pone.0073806](#)

[Tropek, R., Cerna, I., Straka, J., Cizek, O. & Konvicka, M. 2013: Is coal combustion the last chance for vanishing insects of inland drift sand dunes in Europe?](#) *Biological Conservation* **162**:

[60–64. DOI: 10.1016/j.biocon.2013.03.027](#)

[Habermannová J., Bogusch P. & Straka J. 2013: Flexible host choice and common host switches in the evolution of generalist and specialist cuckoo bees \(Anthophila: Sphecodes\).](#) *P LoS ONE*

[8](#)

[\(5\): e64537. DOI: 10.1371/journal.pone.0064537](#)

Heneberg P., Bogusch P., Řehounek J. 2013: Sandpits provide critical refuge for bees and wasps (Hymenoptera: Apocrita). *Journal of Insect Conservation* **17**: 473-490.

Horák J., Peltanová A., Podávková A., Šafářová L., Bogusch P., Romportl D., Zasadil P. 2013: Biodiversity responses to land use in traditional fruit orchards of a rural agricultural landscape. *Agriculture, Ecosystems and Environment* **178**: 71-77.

[Lagoutte R., Šebesta P., Jiroš P., Kalinová B., Jirošová A., Straka J., Černá K., Šobotník J., Cvačka J. & Jahn U. 2013: Total Synthesis, Proof of Absolute Configuration, and Biosynthetic Origin of Stylopsal, the First Isolated Sex Pheromone of Strepsiptera. *Chemistry - A European Journal* , **2013\(19\)**: 8515–8524.](#)

Netíková L., Bogusch P., Heneberg P. 2013: Czech Ethanol-Free Propolis Extract Displays Inhibitory Activity against a Broad Spectrum of Bacterial and Fungal Pathogens. *Journal of Food Science* **78**: M1421-M1429.

[Černá K., Straka J. & Munclinger P. 2013: Population structure of pioneer specialist solitary bee *Andrena vaga* \(Hymenoptera: Andrenidae\) in central Europe: the effect of habitat fragmentation or evolutionary history? *Conservation Genetics* **14\(4\)**: 875–883. DOI 10.1007/s10592-013-0482-y](#)

[Čujová S., Slaninová J., Monincová L., Fučík V., Bednářová L., Štokrová J., Hovorka O., Voburka Z., Straka J. & Čeřovský, V. 2013: Panurgines, novel antimicrobial peptides from the venom of communal bee *Panurgus calcaratus* \(Hymenoptera: Andrenidae\). *Amino Acids* , **45**: 143-157. Available from: <http://rd.springer.com/article/10.1007/s00726-013-1482-4> \(March 18, 2013\).](#)

Ćetković A., Mokrousov M. V., Plećaš M., Bogusch P., Antić D., Dorović-Jovanović L., Krpo-Ćetković J., Karaman M. 2012: Status of the potentially invasive Asian species *Sceliphron deforme* in Europe, and an update on the distribution of *S. curvatum* (Hymenoptera: Sphecidae). *Acta entomologica serbica*, **16**: 91-114.

[Cvačka J., Jiroš P., Kalinová B., Straka J., Černá K., Šebesta P., Tomčala A., Vašíčková S., Jahn U. & Šobotník J. 2012: Stylopsal: The First Identified Female-produced Sex Pheromone of Strepsiptera. *Journal of Chemical Ecology* , **38** \(12\): 1483-1491.](#)

[Straka J. & Engel M. S. 2012: The apid cuckoo bees of the Cape Verde Islands \(Hymenoptera, Apidae\). *ZooKeys* **218** :77–109.](#)

[Straka J. & Rozen J. G. Jr. 2012: First observations on nesting and immatures of the bee genus *Ancyla* \(Apoidea: Apidae: Apinae: Ancylaini\). *American Museum Novitates* **3749** : 1-24.](#)

Bogusch P. & Straka J. 2012: Review and identification of the cuckoo bees of central Europe (Hymenoptera: Halictidae: Sphecodes). *Zootaxa* **3311** : 1-41.

Černá K. & Straka J. 2012: Identification of 37 microsatellite loci for *Anthophora plumipes* (Hymenoptera: Apidae) using next generation sequencing and their utility in related species. *European Journal of Entomology* **109** : 155-160.

Rezkova, K., Žáková M., Žáková Z. & Straka J. 2012: Analysis of nesting behavior based on daily observation of *Andrena vaga* (Hymenoptera: Andrenidae). *Journal of Insect Behavior* **25** : 24-47.

[Bogusch P., Straka J., Macek J., Dvořák L., Vepřek D. & Říha M. 2011: Faunistic records from the Czech Republic – 310. Hymenoptera: Apocrita. *Klapalekiana* **47** : 91-99.](#)

Straka J. & Bogusch P. 2011: Contribution to the taxonomy of the *Hylaeus gibbus* species group in Europe (Hymenoptera, Apoidea and Colletidae). *Zootaxa* **2932**: 51-67.

Batelka J. & Straka J. 2011: *Ripiphorus caboverdianus* sp. nov.—the first ripiphorid record from the Macaronesian volcanic islands (Coleoptera: Ripiphoridae: Ripiphorinae). *Zootaxa* **2792** : 51-62.

[Straka J., Rezkova K., Batelka J. & Kratochvíl L. 2011: Early nest emergence of females parasitised by Strepsiptera in protandrous bees \(Hymenoptera Andrenidae\). *Ethology Ecology & Evolution* **23** : 97-109.](#)

[Cardinal S., Straka J. & Danforth B. N. 2010: Comprehensive phylogeny of apid bees reveals the evolutionary origins and antiquity of cleptoparasitism. *Proceedings of the National Academy of Sciences of the United States of America* **107** : 16207-16211.](#)

Monincová L., Buděšínský M., Slaninová J., Hovorka O., Cvačka J., Voburka Z., Fučík V., Borovičková L., Bednářová L., Straka J. & Čeřovský V. 2010: Novel antimicrobial peptides from the venom of the eusocial bee *Halictus sexcinctus* (Hymenoptera: Halictidae) and their analogs. *Amino Acids* **39**: 763-775.

Bogusch P. & Schlaghamerský J. 2010: Aphid secretions – an alternative glycid source for Sphecodes (Hymenoptera: Halictidae) cuckoo bees. *Entomologia Generalis* **32**

: 237-241.

[Bogusch P., Vepřek D., Udržal R., Dvořák L. & Straka J. 2009: Faunistic records from the Czech Republic – 283. Hymenoptera: Apocrita. *Klapalekiana* 45: 247-254.](#)

Killer J., Kopečný J., Mrázek J., Rada V., Benada O., Koppová I., Havlík J. & Straka J. 2009: *Bifidobacterium bombi* sp. nov., from the bumblebee digestive tract. *International Journal of Systematic and Evolutionary Microbiology* **59**
: 2020-2024.

Dvořák L., Bogusch P. & Smetana V. 2009: Žahadloví blanokřídlí (Hymenoptera: Vespoidea a Apoidea) Národní přírodní rezervace Králický Sněžník – výsledky monitoringu s použitím Malaiseho pastí. *Acta Musei Beskidensis* **1**: 79-88.

Čeřovský V., Buděšínský M., Hovorka O., Cvačka J., Voburka Z., Slaninová J., Borovičková L., Fučík V., Bednářová L., Votruba I. & Straka J. 2009: Lasioglossins: Three Novel Antimicrobial Peptides from the Venom of the Eusocial Bee *Lasioglossum laticeps* (Hymenoptera: Halictidae). *ChemBioChem* **10**: 2089-2099.

[Rozen J. G. Jr., Straka J. & Rezkova K. 2009: Oocytes, Larvae, and Cleptoparasitic Behavior of *Biaestes emarginatus* \(Hymenoptera: Apidae: Nomadinae: Biastini\). *American Museum Novitates* **3667**
: 1-15.](#)

[Straka J. 2008: *Tachysphex stysi* sp. nov. \(Hymenoptera: Apoidea: Crabronidae\) from Central Asia. *Acta Entomologica Musei Nationalis Pragae* **48** : 691-696.](#)

[Straka J., Janšta P., Farkač J. & Vrabec V. 2008: Faunistic records from the Czech Republic – 268. Hymenoptera: Apocrita. *Klapalekiana* **44** : 299-301.](#)

Bogusch P. 2008: *Passaloecus monilicornis* (Hymenoptera: Crabronidae) nesting in an artificial nest. *bembiX* **26** : 3-7.

[Dvořák L., Bogusch P., Melenovský I., Bezděčka P., Bezděčková K., Holý K., Liška P., Macek J., Roller L., Říha M., Smetana V., Straka J. & Šíma P. 2008: Hymenoptera of Hády Hill, near the city of Brno \(Czech Republic\), collected during the Third Czech-Slovak Hymenoptera meeting. *Acta Musei Moraviae, Scientiae biologicae \(Brno\)* 93: 53-92.](#)

[Straka J. & Bogusch P. 2007: Description of immature stages of cleptoparasitic bees *Epeoloides coecutiens* and *Leiopodus trochantericus* \(Hymenoptera: Apidae: Osirini, Protepeolini\) with remarks to their unusual biology. *Entomologica Fennica* **18** : 242-254.](#)

[Straka J. & Bogusch P. 2007: Phylogeny of the bees of the family Apidae based on larval characters with focus on the origin of cleptoparasitism \(Hymenoptera: Apiformes\). *Systematic Entomology* **32** : 700-711.](#)

[Bogusch P., Straka J., Kment P. \(eds.\) 2007: Annotated checklist of the Aculeata \(Hymenoptera\) of the Czech Republic and Slovakia. Komentovaný seznam žahadlových blanokřídlých \(Hymenoptera: Aculeata\) České republiky a Slovenska. *Acta Entomologica Musei Nationalis Pragae* Supplementum **11** : 1-300 \(in English and Czech\).](#)

[Bogusch P., Kratochvíl L. & Straka J. 2006: Generalist cleptoparasitic bee species \(Hymenoptera: Apoidea: Sphecodes\) are species-specialist at the individual level. *Behavioral Ecology and Sociobiology* **60** : 422-429.](#)

[Straka J., Malenovský I. & Batelka J. 2006: The genus *Halictoxenos* \(Strepsiptera, Stylopidae\) in the Czech Republic and Slovakia. *Acta Musei Moraviae, Sci. Biol*](#)

[-
91
: 69-82.](#)

[Dvořák L., Smetana V., Straka J. & Deván P. 2006: Present distribution of the paper wasp *Polistes bischoffi* WEYRAUCH 1937 in the Czech Republic and in Slovakia with notes to its spreading \(Hymenoptera: Vespidae\). *Linzer Biologische Beiträge*](#)

[-
38
: 533-539.](#)

Bogusch P. 2006: The velvet ants (Hymenoptera: Mutillidae) of the Czech Republic and Slovakia: an identification key and annotated checklist. *Acta Musei Moraviae, Scientiae Biologicae* **91**: 103-148.

Lukáš J., Bogusch P. & Liška P. 2006: Distribution of *Sceliphron destillatorium* (Illiger, 1807) (Hymenoptera: Sphecidae) in Moravia and Slovakia with notes on the invasion to the antropogenous localities. *Linzer Biologische Beitrage* **38**: 521-528.

[Batelka J. & Straka J. 2005 : Several records of Xenidae and Stylopidae from the West Palaearctic region \(Strepsiptera\). *Bulletin de la Société Entomologique de France*](#) **110**
[: 403-406.](#)

Bogusch P. 2005: Biology of the cleptoparasitic bee *Epeoloides coecutiens* (Fabricius, 1775) (Hymenoptera: Apidae, Osirini). *Journal of the Kansas Entomological Society* **78**
: 1-12.

Bogusch P. 2005: Distribution and biology of *Coelioxys alata* (Förster, 1853) in the Czech Republic and Slovakia (Hymenoptera: Apoidea, Megachilidae). *Klapalekiana* **41** : 139-143.

Bogusch P., Liška P., Lukáš J. & Dudich A. 2005: Extension and present knowledge on the distribution of the invasive sphecid wasp *Sceliphron curvatum* (Smith, 1870) in the Czech Republic and Slovakia (Hymenoptera: Sphecidae). *Linzer Biologische Beiträge* **37** : 215-221. L

[Straka J. 2005 : A review of the genus *Tachysphex* \(Hymenoptera: Apoidea\) of Turkey, with descriptions of four new species](#)
[Acta Societatis Zoologicae Bohemicae](#) **69** : 247-276. -

[Straka J. 2004 : *Tachysphex austriacus* Kohl, restored from synonymy, and *T. pompilliformis* Panzer \(Hymenoptera: Apoidea, Crabronidae\), two sibling species](#)
[Linzer Biologische Beiträge](#) **36** : 1107-1114. -

[Straka J., Bogusch P., Tyrner P. & Vepřek D . 2004: New important faunistic records of Hymenoptera \(Chrysoidea, Apoidea, Vespoidea\) from the Czech Republic.](#)
[Klapalekiana](#) **40** : 143-153.

Bogusch P. 2003: Hosts, foraging behaviour and distribution of six species of cleptoparasitic bees of the subfamily Anthophorinae (Hymenoptera: Apidae). *Acta Societatis*

Zoologiceae Bohemiae

67

: 65-70.

Straka J. & Farkač J. 2002: Faunistic records from the Czech Republic – 155. Hymenoptera: Aculeata: Apoidea, Chrysidoidea, Vespoidea. *Klapalekiana* **38**: 261-262.

Straka J. 2000: Faunistic records from the Czech Republic – 109. Hymenoptera:Aculeata. *Klapalekiana*

36

: 181-183.