

Max Kasparek – Publications on anthidiine bees

Kasparek, M. (2015): The Cuckoo Bees of the Genus *Stelis* Panzer, 1806 in Europe, North Africa and the Middle East. A Review and Identification Guide. – **Entomofauna** 18: 1-144. (low resolution PDF 2,930 kb).

Kasparek, M. (2017): The taxonomic identity of *Anthidium fasciatellum* Friese, 1917 (Hymenoptera: Apoidea: Anthidiini). – **Journal of Natural History** 51, 1743–1757. (PDF 440 kb).

Kasparek, M. (2017): Resin bees of the anthidiine genus *Trachusa*. Identification, taxonomy, distribution and biology of the Old World species. – **Entomofauna Supplement** 21: 1–152. (low resolution PDF 3,950 kb).

Kasparek, M. (2018): A new species of *Trachusa* Panzer, 1804 (Megachilidae: Anthidiini) from southern Africa, with notes on the subgeneric classification and a key to the Afrotropical species. – **Zootaxa** 4399 (3): 329–340. (PDF 530 kb).

Kasparek, M. (2018): Taxonomic revision proves *Trachusa pubescens* (Morawitz, 1872) sensu lato to be a complex of allopatric and sympatric species in South-Eastern Europe and Western Asia (Hymenoptera, Apoidea, Anthidiini). – **ZooKeys** 764: 111–144. (PDF 600 kb).

Kasparek, M. & P. Lhomme (2019): Revision of the taxonomic status of *Rhodanthidium sticticum ordonezi* (Dusmet, 1915), an anthidiine bee endemic to Morocco (Apoidea: Anthidiini). – **Turkish Journal of Zoology** 43: 43-51. (PDF 245 kb).

Kasparek, M. (2019): Bees in the genus *Rhodanthidium*: A review and identification guide. – **Entomofauna** 23: 1-132 (PDF 3,700 Kb).

Kasparek, M. (2019): A new species in the *Trachusa ovata* species group (Hymenoptera: Apoidea) from Peninsular Malaysia with an overview of the Old World species within the genus *Trachusa*. – **Journal of Natural History** 53: 1079-1094 (2,890 kb).

Kasparek, M. (2019): *Eoanthidium nasicum* (Apoidea: Anthidiini) in the Middle East: from microevolution towards speciation? – **Oriental Insects** 54(4), 2020: 527–544. DOI: 10.1080/00305316.2019.1693438.

Kasparek, M. & S. Schmidt (2019): Neu entdeckt und schon verschwunden? Die Schneckenhaus-Biene *Rhodanthidium septemdentatum*, neu für Deutschland. – **Nachrichtenblatt der bayerischen Entomologen** 68(3/4): 113-117.

Kasparek, M. (2020): Revision of the West Palaearctic *Trachusa interrupta* species complex (Apoidea: Anthidiini) with description of four new species. – **Zootaxa** 4728 (1): 1–48.

Kasparek, M. (2020): Variation in *Eoanthidium judaeense* (Mavromoustakis, 1945) and *E. clypeare* (Morawitz, 1874) (Apoidea: Megachilidae: Anthidiini) in the Middle East: semispecies or cases of geographic dimorphism? – **Zoology in the Middle East** 66(1): 145–166.

Niu, Z.-Q., Yuan, F., Ascher, J. S., Kasparek, M., Orr, M. C., Griswold, T. & Zhu, C.-D. (2020): Bees of the genus *Anthidium* Fabricius, 1804 (Hymenoptera: Apoidea: Megachilidae: Anthidiini) from China. – **zootaxa** 4867 (1): 1–67.

Kasperek, M. & Schwarz, M. (2020): *Anthidium berbericum* Pasteels and *A. atlaskabirens* sp. n. (Apoidea: Anthidiini), two endemic pollinators in the Atlas Mountains in Morocco. **Annales de la Société entomologique de France** (N.S.) 56: 395-404.

Lhomme, P., Michez, D., Christmann, S., Scheuchl, E., El Abdouni, I., Hamroud, L., Ihsane, O., Sentil, A., Smaili, M. C., Schwarz, M., Dathe, H., Straka, J., Pauly, A., Schmid-Egger, Ch. Patiny, S., Müller, A., Praz, Ch., Risch, S., Kasperek, M., Kuhlmann, M., Wood, Th. J., Bogusch, P., Ascher, J., & Rasmont, R. (2020): The wild bees (Hymenoptera: Apoidea) of Morocco. – **Zootaxa**, 4892: 1-159.

Boustani, M., Dathe, H., Ghisbain, G., Kasperek, M., Michez, D., Nemer, N., Pauly, A., Risch, S., Terzo, M., Van Achter, X., Wood, T., & Rasmont, P. (2021): The bees of Lebanon (Hymenoptera: Apoidea: Anthophila). – **Zootaxa**, 4976: 1-146.

Kasperek, M. (2021): So different but nonetheless belonging to the same species: Multiple geographic clines explain the diverse forms of the anthidiine bee *Rhodanthidium caturigense* s.l. (Apoidea: Megachilidae: Anthidiini). – **Organism Diversity and Evolution** 21, 719-735.

Kasperek, M. (2021): Revision and description of three new species of the Palaearctic wool carder bee subgenus *Gulanthidium* of the genus *Anthidium*. – **Zootaxa** 5040: 482-506.

Kasperek, M., & Griswold, T. (2021): New species of the genus *Eoanthidium* (Apoidea: Megachilidae: Anthidiini) from the Middle East link the Afrotropical with the Palaearctic realm, with a key to the Palaearctic taxa. – **Journal of Natural History** 55, 2083-2110.

Kasperek, M. (2021): The bee genus *Pseudoanthidium*: Revision of the subgenus *Exanthidium* with the description of a new species (Apoidea: Megachilidae). – **Fragmenta entomologica** 53, 333-346.

Sardar, S., Kasperek, M., Rameshkumar, A., & Kazmi, S.I. (2021): Four species of anthidiine bees (Apoidea: Megachilidae) new to India. – **The Canadian Entomologist**, 154, e7 (p. 1-10), doi:10.4039/tce.2021.55.

Kasperek, M., Leins, P., & Erbar, C. (2022): Clypeal pollen accumulation in a new species of bee from Syria – a hitherto unknown phenomenon in megachilid bees (Megachilidae: Anthidiini). – **Zoology in the Middle East** 68: 59-72.

Kasperek, M. (2022): A new species of *Anthidium* bee with an armed sternum from Turkmenistan (Apoidea: Anthidiini). – **Linzer biologische Beiträge** 54: 195-201.

Kasperek, M. (2022): *The Resin and Wool Carder Bees (Anthidiini) of Europe and Western Turkey. Identification. Distribution. Biology.* – **Frankfurt: Chimaira**. 292 pp. [unchanged reprint 2023].

Kasperek, M., Wood, Th., Ferreira, S., & Benarfa, N. (2023): Taxonomic status of the disjunct populations of the resin bee *Anthidiellum breviusculum* (Pérez, 1890) s.l. in the Mediterranean (Apoidea: Anthidiini). – **Journal of Natural History** 56, 2022: 2047-2063.

Ghisbain, G., Rosa, P., Bogush, P., Flaminio, S., Le Divelec, R., Dorchin, A., Kasperek, M., Litman, J., Mignota, M., Müller, A., Praz, Ch., Radchenko, V., Rasmont, P., Smit, J., Wood, T. J., Michez, D., & Reverté, S. (2023): The new annotated checklist of the wild bees of Europe (Hymenoptera: Anthophila). – **Zootaxa** 5327: 1-147.

Kasperek, M., & Ebmer, A. W. (2023): The wool carder bee *Pseudoanthidium alpinum* (Morawitz, 1874): Identity of the enigmatic type species of the genus *Pseudoanthidium*. – **Osmia** 11: 39–50.

Reverté, S., Miličić, M., Ačanski, J., Andrić, A., Aracil, A., Aubert, M., Balzan, M., Bartomeus, I., Bogusch, P., Bosch, J., Budrys, E., Cantú-Salazar, L., Castro, S., Cornalba, M., Demeter, I., Devalez, J., Dorchin, A., Dufrêne, E., Đorđević, A., Fisler, L., Fitzpatrick, Ú., Flaminio, S., Földesi, R., Gaspar, H., Genoud, D., Geslin, B., Ghisbain, G., Gilbert, F., Gogala, A., Grković, A., Heimbürg, H., Herrera-Mesías, F., Jacobs, M., Janković Milosavljević, M., Janssen, K., Jensen, J.-K., Ješovnik, A., Józsan, Z., Karlis, G., Kasperek, M., Kovács-Hostyánszki, A., Kuhlmann, M., Le Divelec, R., Leclercq, N., Likov, L., Litman, J., Ljubomirov, T., Bang Madsen, H., Marshall, L., Mazánek, L., Milić, D., Mignot, M., Mudri-Stojnić, S., Müller, A., Nedeljković, Z., Nikolić, P., Ødegaard, F., Patiny, S., Paukkunen, J., Pennards, G., Pérez-Bañón, C., Perrard, A., Petanidou, T., Pettersson, L. B., Popov, G., Popov, S., Praz, Ch., Prokhorov, A., Quaranta, M., Radchenko, V. G., Radenković, S., Rasmont, P., Rasmussen, C., Reemer, M., Ricarte, A., Risch, S., Roberts, S. P. M., Rojo, S., Ropars, L., Rosa, P., Ruiz, C., Sentil, A., Shparyk, V., Smit, J., Sommaggio, D., Soon, V., Ssymank, A., Ståhls, G., Stavrínides, M., Straka, J., Tarlap, P., Terzo, M., Tomozii, B., Tot, T., van der Ent, L.-J., van Steenis, J., van Steenis, W., Varnava, A. I., Vereecken, N. J., Veselić, S., Vesnić, A., Weigand, A., Wisniowski, B., Wood, T. J., Zimmermann, D., Michez, D., Vujić, A. (2023). National records of 3000 European bee and hoverfly species: A contribution to pollinator conservation. – **Insect Conservation and Diversity** 16:758–775. DOI: 10.1111/icad.12680

Kasperek, M., & Fateryga, A. V. (2023). DNA barcoding confirms the validity of *Anthidium melanopygum* Friese, 1917 stat. nov. as a distinct species in West Asia. – **Zootaxa** 5346: 567–580.

Nalinrachatakan, P., Ascher, J. S., Kasperek, M., Traiyasut, P., Thanosong, Ch., & Warrit, N. (2023): A review of the anthidiine bees (Apoidea, Megachilidae) in Thailand. **Zookeys** 1186: 235–284.

Kasperek, M., Tunca, R. I., & Özgül, O. (2023). Can Bergmann's Rule and the Thermal Melanism Hypothesis explain the variation in colour and size observed in the wild bee *Eoanthidium insulare* (Apoidea: Megachilidae) across its Palaearctic range? **Journal of Asia-Pacific Entomology** 27, 2024: 102174.

Kasperek, M., Hauser, M. & Schmid-Egger, Ch. (2023): Taxonomic revision of the Afro-Arabian anthidiine bee *Pseudoanthidium ochrognathum* sensu lato (Apoidea: Anthidiini) based on morphological and genetic data. **Integrative Systematics** 6 (2), 55-69.

Submitted

Kasperek, M. & Kuhlmann, M. (2024). Do the members of the rare African bee genus *Anthidioma* (Megachilidae, Anthidiini) deserve distinct genus status? **Linzer biol. Beiträge** (im Druck).

Kasperek, M.: Discrepant results obtained from phenotypic classification and genetic barcoding: A case study of the anthidiine bee *Anthidium dalmaticum* (Megachilidae: Anthidiini). **Zoosystema** (accepted).

Kasperek, M.: New species, new synonyms, and resurrected taxa: A review of West and Central Palaearctic members of the genus *Pseudoanthidium* (Apoidea: Megachilidae). **Zootaxa** (accepted).

Ropars, L., Aubert, M., Genoud, D., Le Divelec, R., Dufrêne, E., Cornuel-Willermoz, A., Dorchin, A., Flacher, F., Gadoum, S., Kasperek, M., Kuhlmann M., Le Féon, V., LeGoff, G., Mahé, G., Pauly, A., Praz,

C., Radchenko, V., Rasmont, P., Scheuchl, E., Straka, J., Wood, T., Michez, D.; Geslin, B., & Perrard, A.: Mise à jour de la liste des abeilles de France métropolitaine. **Osmia** (submitted).

Kasperek, M., Benarfa, N., & Sentil, A.: Black bees in the desert: Description of two new species of wool carder bees (Apoidea, Anthidiini, Anthidium) from the northern Sahara with colouration atypical for xeric environments. **Contributions to Entomology** (submitted).

Manuscripts

Griswold, T., Eardley, C., & Kasperek, M.: Revision of the African species of resin bee of *Eoanthodium* (Hymenoptera: Megachilidae: Anthidiini).

Sardar, S., Kasperek, M., Niu, Z.-Q., Rameshkumar, A., Yeshwanth, H. M., & Kazmi, S. I.: Review of the wool carder bees of the genus *Anthidium* Fabricius (Apoidea: Megachilidae: Anthidiini) in India with description of a new species.

New taxa

- Anthidiellum africanum* Kasperek, 2023 **sp. nov.** – Algeria
Anthidium atlaskabirense Kasperek & Schwarz, 2020 **sp. nov.** – Morocco
Anthidium occidentale Kasperek, 2021 **sp. nov.** – Morocco
Anthidium flavissimum Kasperek, 2021 **sp. nov.** – Afghanistan
Anthidium pectinatum Kasperek, 2022 **sp. nov.** – Syria
Anthidium preoccipitale Kasperek, 2021 **sp. nov.** – Iran
Anthidium turkmenistanicum Kasperek, 2022 **sp. nov.** – Turkmenistan
Eoanthidium afroarabicum Kasperek & Griswold, 2021 **sp. nov.** – Oman
Eoanthidium flavifrontale Kasperek, 2021 **sp. nov.** – Turkey
Eoanthidium nasiculum orientale Kasperek, 2019 **ssp. nov.** – Iran
Pseudoanthidium deserticum Kasperek, 2021 **sp. nov.** – Saudi Arabia
Trachusa anatolica Kasperek, 2020 **sp. nov.** – Turkey
Trachusa balcanica Kasperek, 2018 **sp. nov.** – Bulgaria
Trachusa grandicornis Kasperek, 2020 **sp. nov.** – Turkey
Trachusa hakkariensis Kasperek, 2018 **sp. nov.** – Turkey
Trachusa maghrebensis Kasperek, 2020 **sp. nov.** – Morocco
Trachusa namibiensis Kasperek, 2018 **sp. nov.** – Namibia
Trachusa taurica Kasperek, 2020 **sp. nov.** – Turkey
Trachusa tenebrosa Kasperek, 2019 **sp. nov.** – Malaysia

Other nomenclatural acts

- Anthidium arenosum* Warncke, 1982 **syn. nov.** – Iran (Kasperek et al., 2023)
Anthidium melanopygum Friese, 1917 **stat. nov.** – Kasperek & Fratergya (2023)
Archianthidium laticeps ssp. *anatolicum* Mavromoustakis, 1939 **syn. nov.** – Kasperek (2017)
Dianthidium chinensis Wu, 1962 **syn. nov.** – Nalinrachatakan, Ascher, Kasperek, Traiyasut, Thanosing & Warrit (1923)
Eoanthidium bakerorum Engel, 2004 **syn. nov.** – Kasperek & Griswold 2021
Eoanthidium hoplostomum (Mavromoustakis, 1945) **stat. resurr.** – Kasperek (2020)
Eoanthidium nasiculum Pasteels, 1969 **stat. nov.** – Kasperek (2019)
Eoanthidium pasteelsi (Warncke, 1980) **stat. nov.** – Kasperek (2020)
Eoanthidium riparium (Cockerell, 1929), **comb. nov.** – Nalinrachatakan, Ascher, Kasperek, Traiyasut, Thanosing & Warrit (1923)
Eoanthidium semicarinatum Pasteels, 1972 **syn. nov.** – Nalinrachatakan, Ascher, Kasperek, Traiyasut, Thanosing & Warrit (1923)

Eoanthidium punjabensis Gupta & Sharma, 1993 **syn. nov.** – Nalinrachatakan, Ascher, Kasperek, Traiyasut, Thanosing & Warrit (1923)

Pseudoanthidium micronitens Pasteels, 1981 **syn. nov.** – Saudi Arabia (Kasperek et al., 2023)

Pseudoanthidium beaumonti Benoist, 1950. stat. resurrect. – Morocco (Kasperek et al., 2023)

Pseudoanthidium rubellulum Pasteels, 1969 **stat. resurrect.** – Israel (Kasperek et al., 2023)

Rhodanthidium hissarens (Mavromoustakis, 1939) **syn. nov.** (to *Rhodanthidium glasunovi* (Morawitz, 1893)). – Kasperek (2019)

Rhodanthidium ordonezi (Dusmet, 1915) **stat. nov.** – Kasperek & Lhomme (2019)

Rhodanthidium rufocinctum (Alfken, 1930) **stat. nov.** – Kasperek (2019)

Trachusa fasciatella (Fries, 1917) **comb. nov.** – Kasperek (2017)

Trachusa maxima (Fries, 1931), **stat. nov.** – Kasperek (2018)

Trachusa verhoeffi (Mavromoustakis, 1955) **stat. nov.** – Kasperek (2018)

Trachusa integra (Eversmann, 1852) **stat. resurr.** – Kasperek (2020)

Trachusa varia (Olivier, 1789) **stat. resurr.** – Kasperek (2020)