

First record of *Dolichovespula adulterina* (Hymenoptera: Vespidae) from Romania

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Abstract. First record of the social wasp *Dolichovespula adulterina* (Buysson, 1905) from Romania is given. The distribution of this species in southern Europe is discussed.

Key words. Hymenoptera, Vespidae, *Dolichovespula*, Romania, faunistics, new record

Dolichovespula adulterina (Buysson, 1905) is a Holarctic social wasp distributed in the entire Europe (except extreme south), Caucasus, Turkey, Kyrgyzstan, Kazakhstan, Siberia, Mongolia, Sakhalin, Japan, and North America (CARPENTER & KOJIMA 1997, DUBATOLOV & MILKO 2004). CARPENTER & KOJIMA (1997) mentioned France, Italy and Caucasus as the southern limit of its distribution in Europe. However, several finds from southern Europe were published in regional journals and only in languages of former Yugoslavia. PAVLOVIĆ (1957) published records from Bosnia and Herzegovina and ĆETKOVIĆ (1988, 1996) from Serbia and Montenegro. Ćetković studied and revised social wasps of the Balkan Peninsula including the former Yugoslavia, Albania, Greece, the European part of Turkey, Bulgaria, and the southeast part of Romania. He also treated some most interesting species from Italy, Austria, Hungary, Slovakia, Czech Republic and the rest of Romania. He confirmed the occurrence of *D. adulterina* only in four countries of the northern part of the Balkan Peninsula – Serbia, Montenegro, Bosnia and Herzegovina, and Croatia (ĆETKOVIĆ 2002).

While studying the private collection of Pavel Průdek (Brno, Czech Republic), I have found the following specimen: **ROMANIA:** Maramureș Mts., 3 km S of Borsa, 1100 m a.s.l., 11.viii.1988, 1 ♂, S. Malý leg., L. Dvořák det., P. Průdek coll.

Although the Maramureș Mts. are in northern Romania (north of the localities in the former Yugoslavia), this finding provides an interesting addition to the knowledge of the distribution of this wasp. In the western Palearctic, the southern distribution limit of *D. adulterina* is in France, northern Italy, Bosnia and Herzegovina, Serbia, and Montenegro (CARPENTER & KOJIMA 1997, ĆETKOVIĆ 2002). East of those localities are records from northern Romania (this paper), Turkey, Russian and Georgian Caucasus (CARPENTER & KOJIMA 1997), Kyrgyzstan,

and south-eastern Kazakhstan (DUBATOLOV & MILKO 2004). All localities in the south-western Palearctic are at high altitudes. Thus the distribution of *D. adulterina* has a boreoalpine character.

References

- CARPENTER J. M. & KOJIMA J. 1997: Checklist of the species in the subfamily Vespinae (Insecta: Hymenoptera: Vespidae). *Natural History Bulletin of Ibaraki University* **1**: 51-92.
- ĆETKOVIĆ A. 1988: Fauna vespida Kopaonika – rezultati dosadašnjih istraživanja. [Vespid fauna of the Kopaonik Mts. – results of up-to-date research]. Pp. 1-26. In: *Zbornik Radova, Prvih deset godina BID-a J.Pančić'*. PMF & Mladi istraživači Univerziteta u Beogradu (in Serbo-Croatian).
- ĆETKOVIĆ A. 1996: Biogeografska analiza faune socijalnih osa Durmitora (Insecta, Hymenoptera, Vespidae). [Biogeographical analysis of social wasps of the Durmitor Mts. (Insecta, Hymenoptera, Vespidae)]. Pp. 149-180. In: KARAMAN G. & MIHAJLOVIĆ Lj. (eds.): *Fauna Durmitora*, 5. CANU, Posebna izdanja, 32/18, Podgorica (in Serbo-Croatian).
- ĆETKOVIĆ A. 2002: *Diverzitet faune socijalnih osa (Vespinae et Polistinae, Vespidae, Hymenoptera) Balkanskog poluostrva i susednih regiona – biogeografski i taksonomski aspekti*. [Diversity of the social wasps of the Balkan Peninsula and the adjacent regions – biogeographical and taxonomic aspects (Vespinae et Polistinae, Vespidae, Hymenoptera)]. Ph.D. Thesis, Faculty of Biology, University of Belgrade, 331 pp (in Serbo-Croatian, English abstract).
- DUBATOLOV V. V. & MILKO D. A. 2004: Social wasps of the subfamily Vespinae (Hymenoptera, Vespidae) of the Kyrgyz Republic. *Entomological Science* **7**: 63-71.
- PAVLOVIĆ J. 1957: Prilog poznavanju sastava faune Vespida NR Bosne i Hercegovine. [Contribution to the knowledge of the Vespid fauna of Bosnia and Herzegovina]. *Godišnjak Biološkog Instituta Univerziteta u Sarajevu* **10(1-2)**: 69-78 (in Serbo-Croatian).