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Two new species of *Lasiopa* (Diptera, Stratiomyidae) from Turkey

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Abstract

Two new species, *Lasiopa aksarayiensis* sp. n. and *Lasiopa aktasii* sp. n. are described from the Central Anatolian steppe in Turkey. All diagnostic characters are illustrated and possible relationships of both taxa are briefly discussed. The first record of *Lasiopa pseudovillosa* (Rozkošný, 1983) from Turkey is presented and additional Turkish localities of *Lasiopa caucasica* (Pleske, 1901) are recorded and an identification key to all the Palaearctic species of *Lasiopa* is given.

Key words: *Lasiopa aksarayiensis*, *L. aktasii*, new species, Stratiomyidae, Turkey, taxonomy

Introduction

Lasiopa Brullé was placed in the Nematelinae by Woodley (2001) in his cladistic analysis based on morphologic characters of Stratiomyidae. The genus is characterised by the eyes separated by a narrow band-shaped frons in the male and the broader frons in all females (1), usually dark antennae consist of two basal segments and 6 flagellomeres, the last 2–3 flagellomeres being densely or sparsely haired in some other species (2), the proboscis is slender or stout, long or short (3), the scutellum without any spine-like processes (4), legs entirely black or knees and tarsal segments largely yellow (5), and the abdomen is black, with a pair of abdominal side-markings on tergites 2–4, being usually narrow, stripe-like and well separated, but fused medially in some females (6).

Lindner (1938a) described a new species (*Lasiopa krkensis*) from Krk in Croatia and revised (Lindner 1938b) all 12 Palaearctic species of *Lasiopa*. *Lasiopa tenuirostris* Loew, 1854 is known as a synonym of *L. balius* (Walker, 1849) today. Rozkošný & Dušek's (1970) revision is one of the most comprehensive studies on *Lasiopa*. In their revision of the Palaearctic species the authors described a new species (*L. tsacasi*) and a new subspecies (*L. peleteria albanica*) and *L. obscura* Lindner 1938 was synonymized with *L. krkensis* Lindner, 1938. Rozkošný & Dušek (l. c.) provided information on 10 species and distinguished them on the basis of morphological characters (the shape of antennae and the male terminalia first of all). Rozkošný (1983) described a new species (*Lasiopa pseudovillosa*) and provided information on 10 European species in his monograph.

Altogether 17 species are currently known (13 in the Palaearctic Region, 3 in the Afrotropical Region, and 1 in the Oriental Region). All species of *Lasiopa* are listed in the world catalog by Woodley (2001). Until now, 3 species belonging to this genus were recorded in Turkey: *Lasiopa balius* from Amanos, *L. caucasica* from Artvin Province (Rozkošný 1983) and *L. manni* from Bursa Province (Rozkošný & Dušek 1970).

In our present study, based on two holotypes, 12 paratypes and 156 other specimens belonging to the genus *Lasiopa*, we describe two new species, add new records of one species in Turkey for the first time, and provide additional distributional records in Turkey for the third species. A identification key to all the Palaearctic species of *Lasiopa* is included.

References

- Dušek, J. & Rozkošný, R. (1970) Revision der palaearktischen Arten der Gattung *Lasiopa* Brullé, 1832 (Diptera: Stratiomyidae). *Beiträge zur Entomologie*, 20 (1/2), 19–41.
- Kehlmaier, C. (2004) Faunistic and taxonomic notes of Anisopodidae, Acroceridae, Conopidae and Stratiomyidae (Diptera) collected on the Iberian Peninsula. *Faunistische Abhandlungen*, 25, 125–137.
- Lindner, E. (1938a) *Lasiopa krkensis*, spec. nov. (Dipt., Stratiomyidae). *Konowia*, 17, 5–7.
- Lindner, E. (1938b) 18. Stratiomyiidae [part], pp. 101–107, In E. Lindner [ed.], *Die Fliegen der Palaearktischen Region*. E. Schweizerbart'sche Verlagsbuchhandlung, Stuttgart, +218 pp.
- Mason, F. (2013) Updated Italian checklist of soldier flies (Diptera, Stratiomyidae) *ZooKeys*, 336, 61–78.
<http://dx.doi.org/10.3897/zookeys.336.6016>
- Pleske, T. (1901) Studien über palaearktische Stratiomyiden. – Die Gattung *Cyclolgaster* Maqu. *Sitzungsberichte der Naturforschende Gesellschaft der Universität Jurjew (Dorpat)*, 12, 323–334.
- Papp, L. & Darvas, B. (2000) *Contribution to a Manual of Palaearctic Diptera (with special reference to flies of economic importance). Vol. 1. General and Applied Entomology*. Science Herald, Budapest, 978 pp.
- Rozkošný, R. (1980) Zoogeography of the European Stratiomyidae (Diptera). *Acta Universitatis Carolinae Biologica*, 1977, 387–396.
- Rozkošný, R. (1983) *A Biosystematic study of the European Stratiomyidae (Diptera). Vol. 2. Clitellariinae, Hermetiinae, Pachygasterinae and bibliography*. Dr W. Junk Publishers, The Hague, 431 pp.
- Rozkošný R. (2012) Fauna Europaea: Stratiomyidae. In: Pape, T. & Beuk, P. (Eds.), *Fauna Europaea: Diptera Brachycera. Fauna Europaea version 2.5*. Available from: <http://www.faunaeur.org> (accessed 12 April 2014)
- Udvardy, M.D.F. (1975) *A Classification of the Biogeographical Provinces of the World*. IUCN Occasional Paper No. 18. International Union for Conservation of Nature and Natural Resources, Morges, Switzerland, 48 pp.
- Woodley, N.E. (2001) *A World Catalog of the Stratiomyidae (Insecta: Diptera)*. Backhuys Publishers, Leiden, 474 pp.