

**Original research paper**Received: 9/04/2021  
Accepted: 24/05/2021**TETRALONIA SALICARIAE (LEPELETIER, 1841)  
(HYMENOPTERA, APOIDEA: APIDAE) – A NEW BEE SPECIES  
FOR THE FAUNA OF BELARUS**

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e-mail: daryalauryenia@gmail.com**Abstract**

The first record of longhorn bee *Tetralonia salicariae* (Hymenoptera, Anthophoridae) from Belarus collected in the Belarusian State University Botanical garden in Minsk.

**Key words:** longhorn bee, first record, pollinators, *Tetralonia salicariae*

The longhorn bee tribe *Eucerini* is one of the most species-rich tribes in the family *Apidae*, with approximately 780 species distributed widely over most regions of the world, excluding Australia (Ascher and Pickering 2016, Michener 2007). The distribution area of the longhorn bee extends from Portugal Southern and Central Europe, Asia Minor and the Caucasus to Uzbekistan and Western Siberia (Scheuchl and Willner 2016). The longhorn bee tribe *Eucerini* is a diverse, widely distributed group of solitary bees that includes important pollinators of both wild and agricultural plants. Although *Tetralonia* is a well-known genus name in the *Apidae* (tribe *Eucerini*), hundreds of species having been described or placed in it at various times, its identity has remained in doubt because its type species has not been understood.

*Tetralonia salicariae* is classified differently by taxonomists: anyone who assigns them to the genus *Eucera* calls them *Eucera salicariae*, who puts them in the subgenus *Tetralonia*, says *Eucera (Tetralonia) salicariae*, and who according to Michener (2007) postulated an independent genus *Tetraloniella*, they call *Tetraloniella salicariae*. Their species epithet, *salicariae*, refers to the loosestrife, *Lythrum salicaria*. This rare and thermophilous species were found in France, Switzerland, Austria, Germany, Poland, Czech Republic, Slovakia, Hungary, Spain, Italia, Slovenia, Romania and Northwest European Russia (Polaszek 2021).

As a midsummer, it flies only from July and until the end of August – that is, when the blooms purple loosestrife *Lythrum salicaria* L., it is strictly pollen-specialized (Osytshnjuk et al. 2008).

One female was collected from purple loosestrife at the Belarusian State University Botanical gardens (53°50'11.59"N, 27°28'0.64"E) in the end of July in 2018. Insect catch was carried out using standard entomological sac. To the identification of the specimens was used the key of Osytshnjuk et al. (1978). Photomicrographs (fig. 1abc) were prepared by author using Canon 1100D digital camera attached to microscope lens and employing a Xenon flash.

The protection of the loosestrife stocks is therefore the most important and urgent protective measure for this solitary oligolectic bee.



Fig. 1. Dorsal (a), lateral (b) and face (c) view of *Tetralonia salicariae*

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*TETRALONIA SALICARIAE* (LEPELETIER, 1841)  
(HYMENOPTERA, APOIDEA: APIDAE) – NOWY GATUNEK PSZCZOŁY  
DLA FAUNY BIAŁORUSI

### Streszczenie

Gatunek pszczoły z rodziny Apidae: rozrożka krwawnicowa *Tetralonia salicariae* (Lepeletier, 1841) zebrano na końcu lipca roku 2018 na kwiatkach *Lythrum salicaria* L., w ogrodzie botanicznym Białoruskiego Uniwersytetu Państwowego w południowo-wschodniej części Mińska. Ten gatunek został po raz pierwszy zarejestrowany na Białorusi.

**Słowa kluczowe:** pszczoła długoroga, pierwsza informacja, zapyłacz, *Tetralonia salicariae*