

Dolerus (Poodolerus) zhelochovtsevi Heidemaa & Viitasaari, 2009 new species for the Hungarian fauna

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HARIS, A.: *Dolerus (Poodolerus) zhelochovtsevi* Heidemaa & Viitasaari, 2009 new species for the Hungarian fauna.

Abstract: *Dolerus (Poodolerus) zhelochovtsevi* Heidemaa & Viitasaari, 2009 is published from Tapolca as new record for the Hungarian fauna. Its description and genitalia figure is provided and its distribution is discussed.

Keywords: Hymenoptera, Symphyta, Tenthredinidae, *Dolerus*, new record, Hungary

Introduction

Based on the paper of BENSON (1954) a rare DOLERUS species was misidentified by HARIS (2019). The so far supposed male of *Dolerus thoracicus* (Fallén, 1808) (replacement name: *Dolerus blanki* Liston, 1995) now belongs to *Dolerus (Poodolerus) zhelochovtsevi* Heidemaa & Viitasaari, 2009 based on genetic testings (Blank et al. 2009). Therefore, the communicated male in HARIS (2019) is the male of *Dolerus (Poodolerus) zhelochovtsevi* Heidemaa & Viitasaari, 2009 (instead of *Dolerus blanki* Liston, 1995).

Material and methods

In 2019, the author identified 1938 specimens of 197 sawfly species from the collection of the Bakony Natural History Museum in Zirc, amongst these species was the one which represent new record for the Hungarian fauna.

For original identification BENSON (1954) and HARIS (2000) were consulted. This year, this species was checked again using Heidemaa and Viitasaari, 2005 (original description of the species) and MACEK et al. 2020.

Genitalia dissection and revision of the previously identified species resulted new record for the Hungarian fauna, namely *Dolerus (Poodolerus) zhelochovtsevi* Heidemaa & Viitasaari, 2009.

For the discussion of distribution of sawflies, we consulted the book of ROLLER and HARIS (2008) titled Sawflies of the Carpathian Basin, History and Current Research augmented by other faunistic records from the Carpathian Basin (MÓCZÁR 1947, SCOBIOLA-PALADE 1967, 1978, PEROVIC et al. 2006 and SMETANA et al. 2010).



Fig. 1: *Dolerus zhelochovtsevi* Heidemaa & Viitasaari, 2009

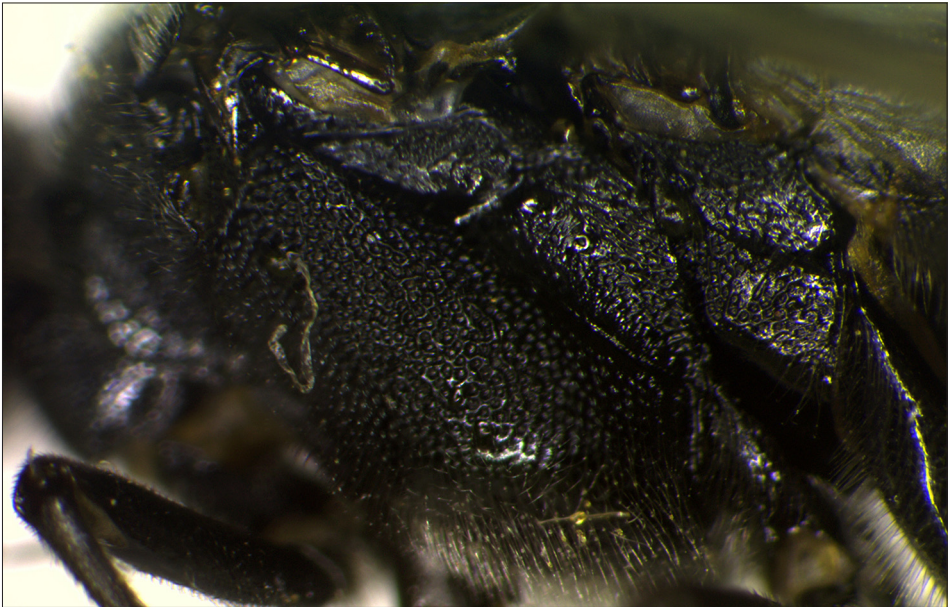


Fig. 2: Mesopleuron of *Dolerus zhelochovtsevi* Heidemaa & Viitasaari, 2009

Dolerus zhelochovtsevi Heidemaa and Vitasarii, 2005 (= *Dolerus gibbosus* auct.) is recorded from Magura (SCOBIOLA-PALADE 1967), Gyilkos tó (Lacu Rosu) (MÓCZÁR 1947), Nagyszeben (Sibiu), Pöltinis (Paltinis), Fogaras (Mt. Fagaras: lacul Bilea) (SCOBIOLA-PALADE 1978) from Transylvania, Tökös (Tikves) (PEROVIC et al. 2006) from North Croatia and Erdőhát (Záhorská nížina) from Slovakia. It is known from Austria, Czech Republic, Estonia, Finland, France, Germany, Macedonia, Poland, Russia, Slovakia, Sweden and Ukraine (TAEGER et al. 2006).

Results

Dolerus (Poodelerus) zhelochovtsevi Heidemaa & Viitasaari, 2009 (Figs. 1, 2 and 3)
Examined material: Tapolca 11. 03. 1990 leg. Lajos Németh.

Description

Male. Length: 10.6 mm. Body black, cenchri brown. Wings hyaline, venation and stigma black, stigma with brown lower margin. Head and thorax covered with dense, white pubescence about as long as diameter of anterior ocellus. Head densely, roughly and deeply punctured, without shiny interspaces, gently shiny. OOL : POL : OCL: 17:8:12. Clypeus subtriangularly excised, clypeal excision about 0.33 as deep as clypeal median length. Head gently narrowed behind eyes. Anterior lobes of mesonotum, mesoscutellum and metascutellum densely, uniformly and deeply punctured with moderately large punctures, shiny with small shiny interspaces. Lateral lobes sporadically, moderately deeply punctured with moderately small punctures with large smooth and shiny areas. Mesopleuron densely, uniformly and deeply punctured, hardly shiny. Katepimeron and metapleuron with rough coraceous sculpture. First tergite of abdomen smooth and shiny, other tergites with dense transverse surface sculpture. Hind margin of last abdominal tergite with smooth subtriangular area. Claws with small inner tooth.

For identification, genitalia dissection is necessary. Based on genitalia, this species can not be confused with any other species (Fig. 3).

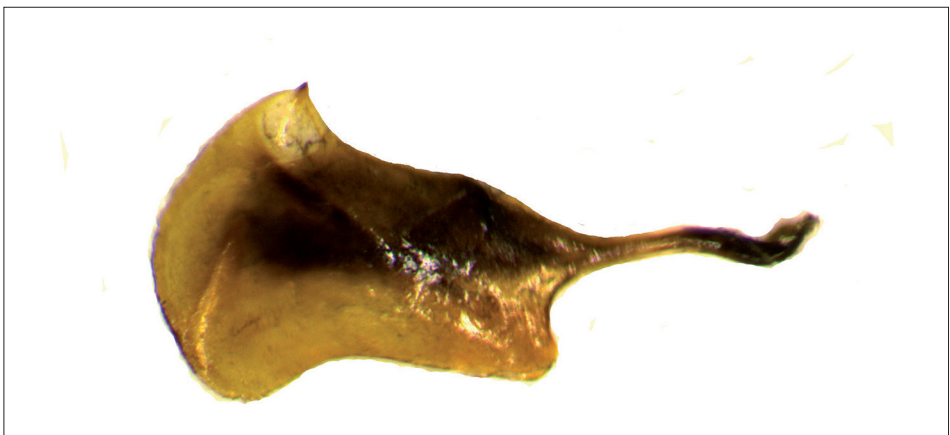


Fig. 3: Penis valve of *Dolerus zhelochovtsevi* Heidemaa & Viitasaari, 2009

Acknowledgment

Author expresses his grateful thanks to Dr. Levente Ábrahám (director, Rippl-Rónai Museum, Kaposvár) for his help in the microscopic photos, for reviewing and editing this paper.

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