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SHORT COMMUNICATION

***Dolerus (Poodolerus) vulneratus* Mocsáry, 1878 (Hymenoptera, Symphyta: Tenthredinidae) – a sawfly species new for the Polish fauna**

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ABSTRACT

A new species of sawfly, *Dolerus (Poodolerus) vulneratus* Mocsáry, 1878 for the Polish fauna is presented. Two males and females of this species were collected in Wielkopolska Lowland. It is a first record of this species in the Central Europe.

Keywords: Hymenoptera, Symphyta, Tenthredinidae, *Dolerus vulneratus*, faunistic record, new for Polish fauna, geographical distribution

The genus *Dolerus* Panzer (family Tenthredinidae) is represented in Polish fauna by 5 subgenera with 34 species (Huflejt 1997, Skibińska, Chudzicka 2004), the majority of them (19 spp. – Huflejt 1997) in the sg. *Poodolerus* Zhelochovtsev. The great similarity of here belonging species makes their identification based on morphological criteria often extremely

difficult. It is especially true of males, wherefore the preparation of – in the sg. *Poodolerus* strongly chitinized and diagnostic – genitalic parameres and their comparison with published illustrations is necessary.

Despite the common occurrence of at least ten or more representatives of *Dolerus* in our country, their cycle of development has been but fragmentarily studied and in some cases even the host plant remains unknown. Typically most species appear in early spring, often immediately after thawing. Imagines rarely remain for longer than 3 weeks. Females lay eggs into young sprouts of various species of grasses, sedges, rushes and horsetails. Larval development is rather quick, the longest stage is the wintering of larvae (or in some cases pupae) of in soil.

Dolerus (Poodolerus) vulneratus Mocsáry, 1878 was described from Siberia (without details). This very rare species has been hitherto known from southern Karelia (Fin. Viipuri = Swed. Viborg = Rus. Выборг) (Lindqvist 1969), Finland (Zhelochovtsev 1988), Siberia and Far East (Zhelochovtsev, Zinovjev 1996), Estonia (Viitasaari & al. 1998), China (Nie, Wei 1999) and Korea (Haris 2000).

In 2016 four specimens (2 males and 2 females) were collected in Poland, near Koźminiec in the Krotoszyn Forest Inspectorate:

- Poland, F.I. Krotoszyn, Koźminiec (UTM: XT73), 17.V.-5.VII.2016, multi-funnel trap, 2♀♀, 2♂♂, leg. R. Plewa & T. Jaworski.

Voucher specimens are preserved in the collection of the first author (JB), deposited in the Department of the Forest Protection and Ecology SGGW in Rogów. The genitalia of both males have been prepared (Fig. 1).

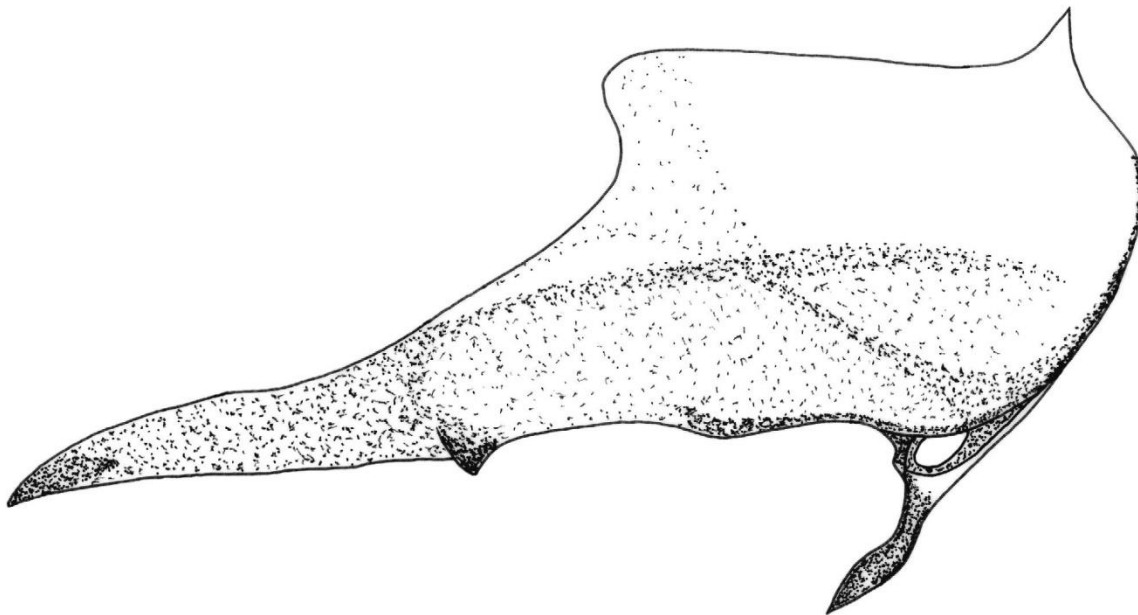


Fig. 1. *Dolerus vulneratus* Mocsáry – a right penis valve of male aedeagus (outer view)

The traps hanged in humid, rather light oak forest densely undergrown with grass, sedge and less abundant rush. Perhaps, unlike most representatives of the sg. *Poodolerus*, *D. vulneratus* is a forest species living on forest species of grasses or sedges.

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