

## THE GENUS *ORUSSUS* (HYMENOPTERA: ORUSSIDAE) IN THE UKRAINIAN CARPATHIANS

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**Varga, O. The genus *Orussus* (Hymenoptera: Orussidae) in the Ukrainian Carpathians. Summary.** The present paper provides new records of the genus *Orussus* Latreille, 1796 from the Ukrainian Carpathians: *O. abietinus* (Scopoli, 1763) is firstly recorded from Ivano-Frankivsk Region and *O. unicolor* Latreille, 1812 is a new record for Ukraine.

**Key words:** Hymenoptera, Orussidae, first record, Ukraine, Red Data Book of Ukraine.

**Варга, О. Рід *Orussus* (Hymenoptera: Orussidae) в Українських Карпатах. Резюме.** Наведено нові знахідки видів роду *Orussus* Latreille, 1796 з Українських Карпат: *O. abietinus* (Scopoli, 1763) вперше наведено для Івано-Франківської області, а *O. unicolor* Latreille, 1812 — для України.

**Ключові слова:** Hymenoptera, Orussidae, перша знахідка, Україна, Червона книга України.

**Варга, А. Род *Orussus* (Hymenoptera: Orussidae) в Украинских Карпатах. Резюме.** Приведены новые находки видов рода *Orussus* Latreille, 1796 из Украинских Карпат: *O. abietinus* (Scopoli, 1763) впервые указан для Ивано-Франковской области, а *O. unicolor* Latreille, 1812 — для Украины.

**Ключевые слова:** Hymenoptera, Orussidae, первая находка, Украина, Красная книга Украины.

### Introduction

The parasitoid wasps of the family Orussidae are distributed worldwide and represented by more than 75 species (Vilhelmsen, 2003; Vilhelmsen *et al.*, 2014). The genus *Orussus* Latreille, 1796, with 25 known species (Vilhelmsen *et al.*, 2014) is represented by only one species, *O. abietinus* (Scopoli, 1763), in Ukraine (Kraus, 1998; Ermolenko *et al.*, 2009). This species included into the Red Data Book of Ukraine is known in the Ukrainian Carpathians only from Chernivtsi and Lviv Regions (Ermolenko *et al.*, 2009).

The *Orussus* species are ectoparasitoids of xylobiontic beetle insect larvae, such as Buprestidae and Cerambycidae (Kraus, 1998; Vilhelmsen, 2003; Vilhelmsen *et al.*, 2014).

### Material and Methods

Specimens were collected by net sweeping and using Malaise trap in lowland forests of Pre- and Transcarpathia in 2018. The material is deposited in the collection of the Schmalhausen Institute of Zoology in Kyiv, Ukraine (SIZK). Specimens were identified using keys of Vilhelmsen (2003) and Vilhelmsen *et al.* (2014). Images of the specimens were taken with a Leica Z16 APO microscope equipped with Leica DFC 450 camera and processed by LAS Core software at SIZK.

## Taxonomy

### *Orussus abietinus* (Scopoli, 1763) (Fig. 1)

**Diagnosis:** This species is characterized by the face with lateral white stripes, the white marks on legs and the partly red metasoma.

**Material examined.** Ukraine: Ivano-Frankivsk Region, Dibrova, 5 km SW of Bogorodchany, 48.772054N, 24.511657E, 310 m, 12.05.2018, oak forest, 1 ♀ (Varga).

**Distribution:** Palaearctic: widespread, Ukraine (Ermolenko *et al.*, 2009).

**Remarks.** This species was collected on a dead coniferous tree trunks, which are numerous in some parts of this oak forest.

### *Orussus unicolor* Latreille, 1812 (Fig. 2)

**Diagnosis:** This species is similar with *O. abietinus*, but has sloely situated white marks on face and entirely black metasoma.

**Material examined.** Ukraine: Transcarpathian Region, Chorna Gora, 48.138338N, 23.073689E, 280 m, 2–20.05.2018, oak forest, Malaise trap, 1 ♀ (Varga).

**Distribution:** Algeria, Czech Republic, France, Germany, Greece, Italy, Romania, Slovakia, Switzerland (Kraus, 1998; Vilhelmsen, 2003), Ukraine (**new record**).

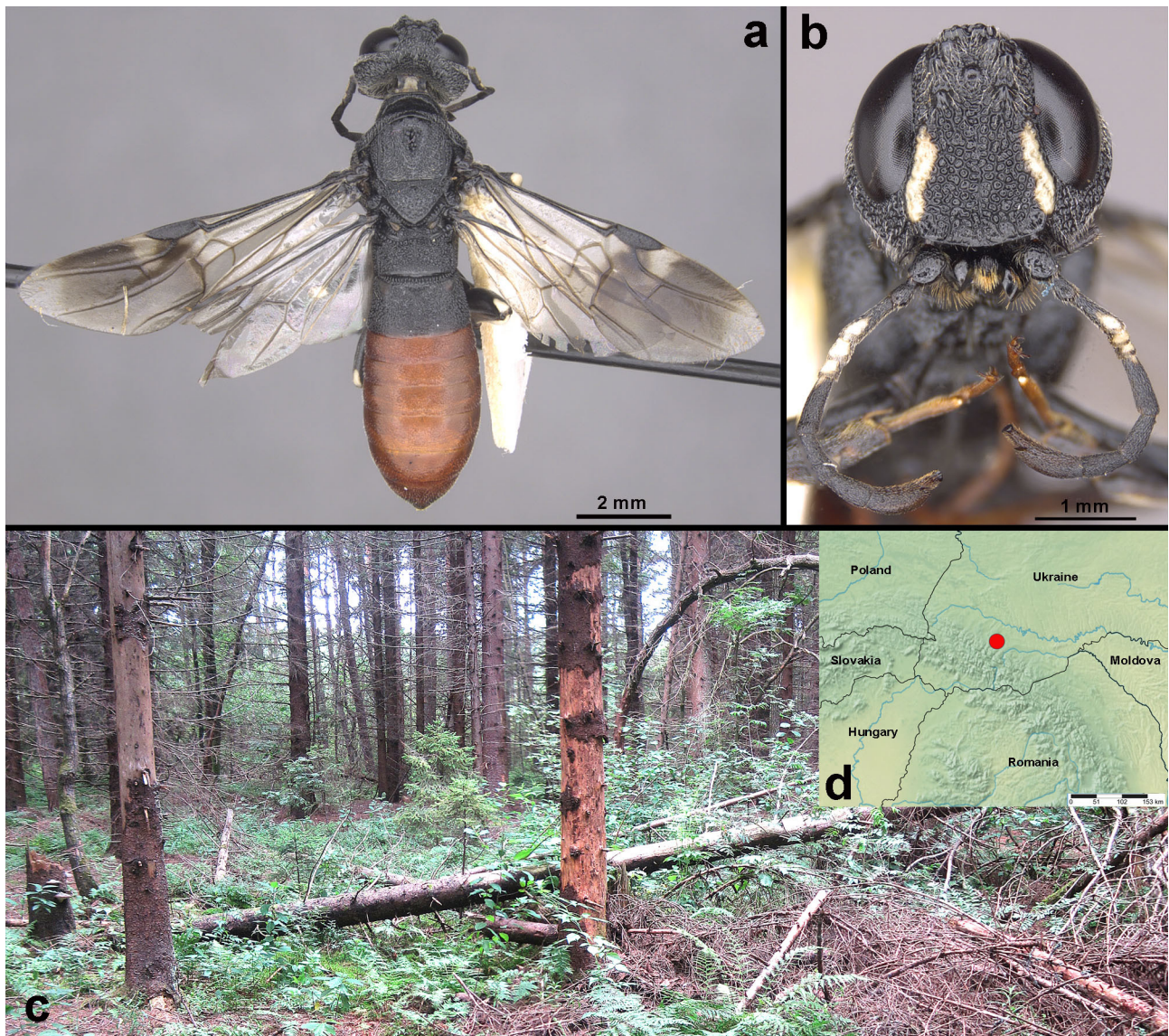


Fig. 1. *Orussus abietinus* (Scopoli, 1763), ♀: a — habitus, dorsal view, b — head, frontal view, c — habitat, d — collecting site on a map.



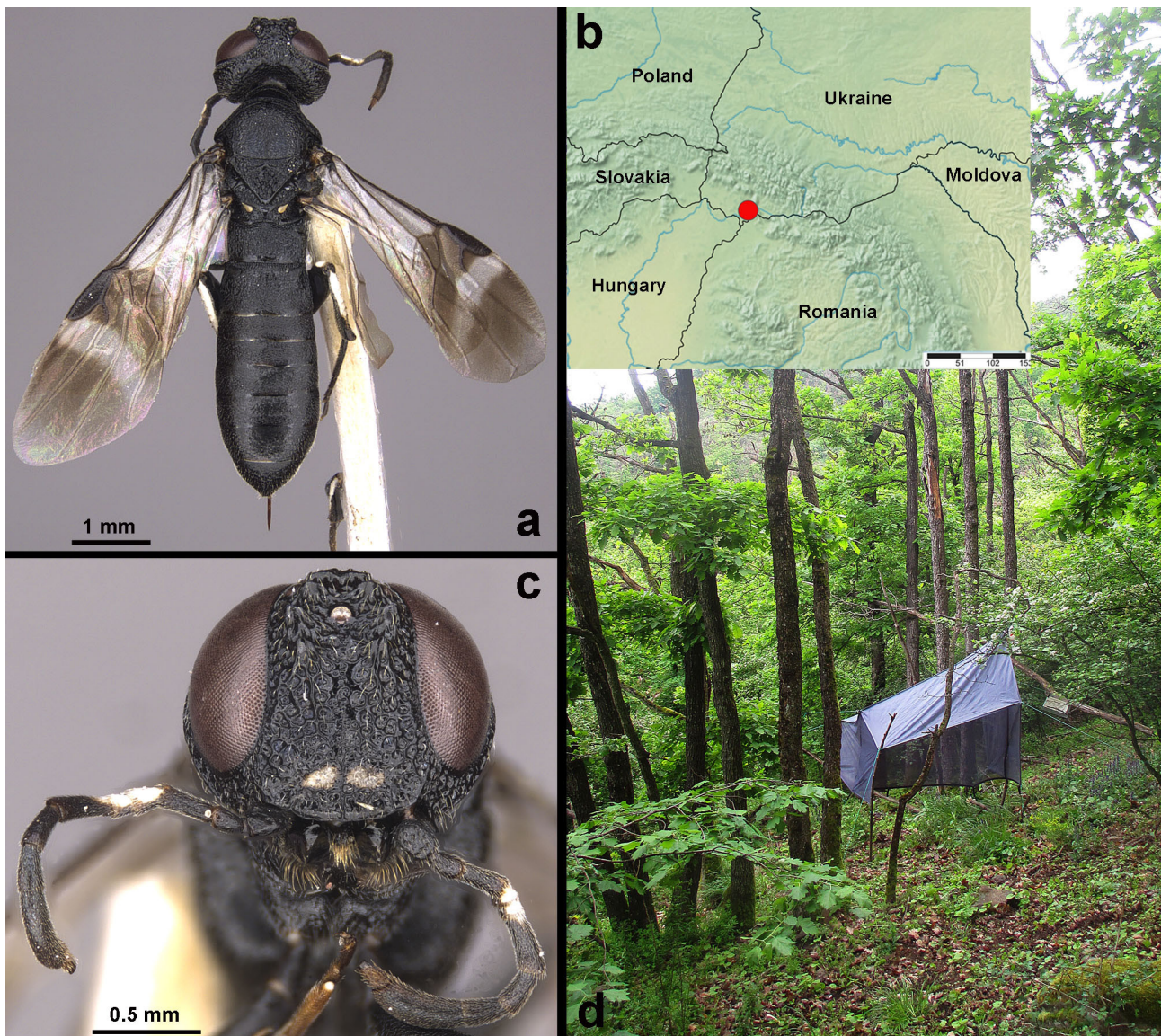


Fig. 2. *Orussus unicolor* Latreille, 1812, ♀: a — habitus, dorsal view, b — collecting site on a map, c — head, frontal view, d — habitat.

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