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European *Rhogogaster* s. str., with notes on several Asian species (Hymenoptera: Tenthredinidae)

ANDREAS TAEGER¹ & MATTI VIITASAARI²

¹Senckenberg Deutsches Entomologisches Institut (SDEI), Eberswalder Str. 90, 15374 Müncheberg, Germany.

E-mail: andreas.taeger@senckenberg.de, corresponding author

²Alkutie 41E, 00660 Helsinki, Finland. E-mail: matti.viitasaari@saunalahti.fi

Abstract

The European *Rhogogaster* s. str. species are revised, and several nominal taxa from Asia discussed. The taxonomic identity of the type species *Tenthredo viridis* Linnaeus, 1758 is different from that assumed in the past. *Tenthredo dryas* Benson, 1943 is **syn. nov.** of *R. viridis*. The name *Rhogogaster scalaris* (Klug, 1817), **species revocata**, is to be applied to *Rhogogaster viridis* auct. New subjective junior synonyms of *R. scalaris* (Klug, 1817) are *R. chlorosoma podkumokensis* Muche, 1973, **syn. nov.** and *Tenthredo (Rhogogaster) carpatica* Zhelochovtsev & Zinovjev, 1988, **syn. nov.** *Rhogogaster magniserrula* Viitasaari, **spec. nov.** is described from Finland and Russia. The former synonym of *R. viridis* auct., *Tenthredo hebraica* Geoffroy in Fourcroy, 1785, is treated as *species incertae sedis* within *Rhogogaster*. The Asian *Rhogogaster viridis* var. *sibirica* Enslin, 1912, is regarded as a valid species, *Rhogogaster sibirica* Enslin, 1912, **stat. nov.**, and *Rhogogaster kudiana* Rohwer, 1925, is a subjective **syn. nov.** of *R. sibirica*. A key to the European *Rhogogaster* s. str. with special emphasis on Fennoscandia is given.

The following nominal taxa are excluded from *Rhogogaster*: *Rhogogaster viridis* forma *montana* Betrem, 1933, is **syn. nov.** of *Tenthredo olivacea* Klug, 1817; *Sciapteryx virescens* Jakowlew, 1887, is *Tenthredo (Eurogaster) virescens* (Jakowlew, 1887), **comb. nov.**; *Tenthredo interrupta* Fabricius, 1804 (nomen oblitum) is **syn. nov.** of *Tenthredopsis tessellata* (Klug, 1817) (nomen protectum). *Tenthredo viridis* Poda, 1761, *Tenthredo straminea* Schrank, 1776, *Tenthredo analicornis* [sic!] Gmelin, 1790, and *Tenthredo chloros* Rudow, 1871 are considered to be *species incertae sedis* within Tenthredinidae.

Lectotypes are designated for *Tenthredo interrupta* Fabricius, 1804, *Sciapteryx virescens* Jakowlew, 1887, *Sciapteryx gilva* Konow, 1908, *Rhogogaster viridis* var. *sibirica* Enslin, 1912, *R. viridis* forma *montana* Betrem, 1933, *R. chlorosoma podkumokensis* Muche, 1973, *R. genistae viridifrons* Muche, 1973 and *Tenthredo (Rhogogaster) carpatica* “Bokotey” [= Zhelochovtsev & Zinovjev], 1988.

Key words: Symphyta, sawflies, Palearctic, new species, new synonyms, key

Introduction

Rhogogaster Konow, 1884 in a broader sense currently comprises nearly 40 valid sawfly species. It is restricted to the northern hemisphere. Live imagines are usually mainly green, and more or less black marked. The pale color may be partly, especially dorsally, yellowish green (Fig. 1a–1b). After death, the pale color tends to become yellowish to straw. Exceptionally, the green coloration is completely replaced by yellow also in live specimens. The identification of *Rhogogaster* species remains frequently uncertain, even although at most a handful of species is to be found in any one area. The proportion of *Rhogogaster* specimens in sawfly collections from northern European localities is usually much higher than in samples from central or southern Europe. After an examination of about 500 northern European *Rhogogaster* s. str. by the first author (AT), the identification of many specimens remained doubtful. To tackle this problem, the diagnostic characters of the group were evaluated, several types were studied, and a key to the northern European species of the group was designed. Independently, the second author (MV) already recognized a hitherto undescribed species from Finland some years ago. In this paper we combine the results of our studies. To avoid confusion in the subsequent text, we point out now, that the name