A NEW SYNONYMY OF *HEDYCHRIDIUM ROSSICUM* GUSSAKOVSKIJ, 1948 = *H. VALESIENSE* LINSENMAIER, 1959, SYN. N. (HYMENOPTERA: CHRYSIDIDAE)

P. Rosa1,*), A. S. Lelej2), M. Pavesi3)

1) Via Belvedere 8/d, I-20881, Bernareggio (MB), Italy. *Corresponding author E-mail: rosa@chrysis.net
2) Federal Scientific Center of the East Asia Terrestrial Biodiversity, Far East Branch of the Russian Academy of Sciences, Vladivostok, 690022, Russia. E-mail: lelej@biosoil.ru
3) Museo di Storia Naturale, Corso Venezia 55, I-20122 Milano, Italy. E-mail: maurizio_pavesi@yahoo.com

Summary. A new synonymy is proposed for *Hedychridium rossicum* Gussakovskij, 1948 = *H. valesiense* Linsenmaier, 1959, syn. n. The lectotype of *H. rossicum* is designated.

Key words: Hymenoptera, cuckoo wasps, new synonymy, lectotype, Palaearctic region.

INTRODUCTION

The history of the name *Hedychridium rossicum* is rather complicated. Gussakovskij published this name in the key only ([Gussakovskij, 1948](#)). Semenov-Tian-Shansky never described *H. rossicum* ([Rosa et al., 2017](#)), but labelled some specimens in his collection as types of *H. rossicum*. Very likely Gussakovskij considered this species already described and Semenov its author. The year of description of *H. rossicum* remained unknown till today. Recently we re-discovered the description of *Hedychrodium rossicum* Gussakovskij, 1948 and the types series housed at the Zoological Institute of Saint Petersburg, Russia [ZIN] and in Linsenmaier’s collection (Natur-Museum Luzern, Switzerland [NMLS]).

*Hedychridium rossicum* Gussakovskij, 1948


**Fig. 1. Hedychridium rossicum** Gussakovskij, 1948. A–D – lectotype ♂: A – habitus, lateral view; B – head, dorsal view; C – head, frontal view; D – metasoma, dorsal view; E – paralectotype ♀, habitus, dorsal view. Scale bar = 1.0 mm.


**DISTRIBUTION.** France, Italy, Greece, Switzerland, Austria, Germany, Poland, Hungary, Czech Republic, Moldova, Russia: European part (Centre, East, South, North Caucasus, Crimea), Ural (Orenburg Province, Sverdlovsk Province).

**HOST.** *Astata boops* (Schrank).

**CONCLUSION**

Type specimens of **Hedychridium rossicum** Gussakovskij and **H. valesiense** Linsenmaier have been checked by Linsenmaier & Arens (2010) and Rosa (Rosa et al., 2017). Since the two proved conspecific, **H. valesiense** Linsenmaier, 1959 is a junior subjective synonym of **H. rossicum** Gussakovskij, 1948. The name **valesiense** is currently used, yet not largely enough to conserve it because in prevailing usage.

Since **H. rossicum** was described without a holotype designation, we herewith designate as lectotype the specimen labeled as holotype at ZIN (Fig. 1A–D).
Gussakovskij (1948) is the author of *H. rossicum*, not Semenov, as wrongly stated by Gussakovskij himself, followed by Plavil'shchikov (1950), Levi *et al.* (1974), Nikol’skaya (1978) and Blagoveschenskaya (1990, 1994). The distribution of *H. rossicum* is still poorly known, females having been confused with *H. roseum* (Rossi, 1790) and males with *H. sculpturatum* (Abeille de Perrin, 1877). Only recently Rosa (2003) and Arens (2004) found several species to have metasoma metallic red in males and non-metallic ferrugineous in females. *Hedychridium roseum* and *sculpturatum* species groups have therefore been merged. Arens (2010) provided a first revision of the species in the Eastern Mediterranean area.

REFERENCES


Mamaev, B.M., Medvedev, L.N. & Pravdin, F.N. 1974. Key to the insects of European part of the USSR. Prosveshchение, Moscow. 304 pp. + 8 pls. [In Russian]


Plavil'shchikov, N.N. 1950. Key to the insects. Short key of most common insects of *European part of the USSR*. 2nd edition. Gosuchpediz, Moscow. 544 pp. + 4 pls. [In Russian]
