Zootaxa 3746 (1): 001–040
www.mapress.com/zootaxa/

Article

ISSN 1175-5326 (print edition)
ZOOTAXA
ISSN 1175-5334 (online edition)

http://dx.doi.org/10.11646/zootaxa.3746.1.1
http://zoobank.org/urn:lsid:zoobank.org:pub:3F817722-7445-4B21-B364-B3C8DE423E0C

Revision of *Siobla* (Hymenoptera, Tenthredinidae) from Japan

AKIHIKO SHINOHARA[1], MEICAI WEI[2] & GENGYUN NIU[3,4]

[1]*urn:lsid:zoobank.org:author:C7382A9B-948F-479B-BEE7-848DAFECD3BA*
Department of Zoology, National Museum of Nature and Science,4-1-1 Amakubo, Tsukuba-shi, Ibaraki, 305-0005 Japan. E-mail: shinohar@kahaku.go.jp
[2]*urn:lsid:zoobank.org:author:18D7AFE0-6CA9-403C-B03B-697D68EED8B7*
College of Life Science and Technology, Central South University of Forestry and Technology, 498 South Shaoshan Road, Changsha 410004, P. R. China. E-mail: weimc@126.com
[3]*urn:lsid:zoobank.org:author:AD829700-118D-4B33-BF08-1B44022CED07*
[4]*Corresponding author; College of Life Science and Technology, Central South University of Forestry and Technology, 498 South Shaoshan Road, Changsha 410004, P. R. China. E-mail: gyniu@126.com*

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Abstract

The Japanese species of the sawfly genus *Siobla* Cameron, 1877, are revised and keyed. The following nine species are recognized: *S. apicalis* Takeuchi, 1929, *S. ferox* (Smith, 1874), *S. hirasana* Takeuchi, 1929, *S. jucunda* (Mocsáry, 1909), *S. metallica* Takeuchi, 1929, *S. sturmii* (Klug, 1817), *S. japonica*, **sp. nov.**, *S. pulchra,* **sp. nov.,** and *S. takeuchii*, **sp. nov.** *Siobla pacifica* (Smith, 1874) is synonymized with *S. sturmii*. Lectotypes are designated for *Macrophya ferox* Smith, 1874, *Macrophya pacifica* Smith, 1874, *Encarsioneura jucunda* Mocsáry, 1909, and *Siobla grandis* Matsumura, 1912. Previous records of *S. ruficornis* (Gimmerthal, 1834) and *S. villosa* Malaise, 1931, from Japan have been found erroneous. *Siobla jucunda* is newly recorded from Japan.

Key words: Symphyta, new species, key, lectotypes

Accepted by A. Taeger: 8 Nov. 2013; published: 10 Dec. 2013

margin of the clypeus nearly truncate (Fig. 11g), the labrum whitish basally, the broad posterior margin of pronotum, tegula, and mesoscutellum always mostly yellowish brown, the hind trochanter never marked with black, and the sawsheath entirely pale brown. In the male of *S. takeuchii*, the tegula and mesoscutellum are entirely black, the hind trochanter and trochantellus are usually largely blackish brown or black, and the subgenital plate is narrowly rounded at apex (Fig. 11d), whereas in *S. hirasana* the tegula and mesoscutellum are largely yellowish brown, the hind trochanter and trochantellus are usually entirely whitish brown, rarely partly marked with blackish brown, and the subgenital plate is broadly rounded at apex (Fig. 11h). The two species also differ in the shape of the head in dorsal view (Fig. 11a–b, e–f).

Takeuchi's (1919b) description of "*Siobla ruficornis* Cameron?" was based on an unknown number of specimens from Yoshino, Nara prefecture, and two male specimens from "Shinano" (=Nagano prefecture). Two pairs of *S. takeuchii* collected in Yoshino in 1916 and kept in Takeuchi's collection in OPU agree with the description of "*Siobla ruficornis* Cameron?" by Takeuchi (1919b) and should belong to his original material. Takeuchi (1919b, p. 14) noted that the two male specimens from "Shinano" differed from the Yoshino specimens in that the antenna was yellowish brown except for the basal three antennomeres and in that the yellowish brown parts of the body were more reddish. We were not able to locate those two males in Takeuchi's collection but they probably belong to *S. sturmii* because of the colour pattern of the antenna and the hind femur.

The male specimen of "*S. ferox*" shown by Esaki *et al.* (1939) in their figure 592 2 in plate 152 has apically black antenna and entirely black dorsum of the thorax. This specimen was not available for the present study but it most probably belongs to *S. takeuchii*, because *S. ferox* has the apex of the antenna usually brown, though sometimes darkened, and has the dorsum of the thorax and the abdominal tergum 1 largely marked with pale brown. Togashi's (1955) figure of the penis valve of "*S. ferox*" agrees most closely with that of *S. takeuchii*. Some specimens cited as *S. ferox* by Naito (1982) and Naito *et al.* (2004) and those listed under *S. sturmii* and *Siobla* sp. D by Katayama (2004) also belong to the present new species (see Appendix).

Acknowledgements

We thank G. Broad and N. Dale-Skey Papilloud (Natural History Museum, London), H. Fukutomi and T. Ishikawa (Ishikawa Insect Museum, Hakusan), H. Hara (Forestry Research Institute, Bibai), Y. Hashimoto (Museum of Nature and Human Activities, Hyogo, Sanda), M. Ishii and S. Kobayashi (Osaka Prefecture University, Sakai), E. Katayama (Otawara), H. Kojima (Nagano), J.W. Lee (Yeungnam University, Gyeongsan), K. Maeto and T. Naito (Kobe University, Kobe), H. Nagase (Kamakura), M. Ohara (Hokkaido University, Sapporo), D. R. Smith (United States Department of Agriculture, Washington, D.C.), A. Taeger, S. Blank and A. Liston (Senckenberg Deutsches Entomologisches Institut, Müncheberg), I. Togashi (Hakusan) and L. Zombori and S. Csösz (Hungarian Museum of Natural History, Budapest) for making the material available for the present study. We thank two anonymous reviewers for their helpful suggestions on the manuscript. The office of the Garden Division, Imperial Household Agency, helped Shinohara in sampling sawflies in the gardens of the Imperial Palace, Tokyo. The research was supported by the National Natural Science Foundation of China (No. 31172142) and Hunan Provincial Innovation Foundation for Postgraduate (CX2011B314).

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