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A new species of the genus *Torymus* Walker, 1833 (Hymenoptera: Chalcidoidea: Torymidae) from Japan

Новый вид рода *Torymus* Walker, 1833 (Hymenoptera: Chalcidoidea: Torymidae) из Японии

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Ключевые слова: Hymenoptera, Torymidae, *Torymus*, новый вид, Artemisia, Япония.

Abstract. A new species of Torymidae (Hymenoptera), *Torymus leleji* Zerova et Fursov, **sp.n.**, is described from Japan. Both sexes were reared from galls of an undetermined midge (Diptera: Cecidomyiidae) on stems of a wormwood, Artemisia sp. (Asteraceae). The new species is most similar to *T. poae* (Hoffmeyer), but differs from it by short ovipositor, long funicular segments in both sexes, yellow metasoma and pale yellow legs.

Резюме. Приведено иллюстрированное описание нового вида торимид из Японии (Хонсю) — *Torymus leleji* Zerova et Fursov, **sp.n.** Самцы и самки этого вида были выведены из галлов неопределенных мух-галлиц (Diptera: Cecidomyiidae) на стеблях полыни Artemisia sp. (Asteraceae). Новый вид наиболее близок к *T. poae* (Hoffmeyer), от которого отличается более коротким яйцекладом, более длинными члениками жгутика у обоих полов, желтым брюшком и светло-желтыми ногами.

The new species described herein was reared by the second author from galls of an undetermined midge (Diptera: Cecidomyiidae) collected on stems of Artemisia sp. (Asteraceae) in glades of an oak forest in Japan (Aichi Prefecture, Honshu Island, Japan).

Torymus leleji Zerova et Fursov, **sp.n.**

Figs 1–4.

Type material. Holotype: ♀, «Japan, Honshu, Nagoya, Higashiyama Park, oak forest, ex Cecidomyiidae galls on Artemisia sp., 17.IV.2004, Fursov». Paratypes: 6♀♀, with the same label as in holotype; 2♀♀, 1♂, with the same label as in holotype, but 3.V.1999; 1♀, with the same label as in holotype, but 25.VII.1999; 6♀♀, with the same label as in holotype, but 15.IV.2004.

The holotype and paratypes are deposited in the collection of I.I. Schmalhausen Institute of Zoology of the National Academy of Sciences of Ukraine (Kiev, Ukraine).

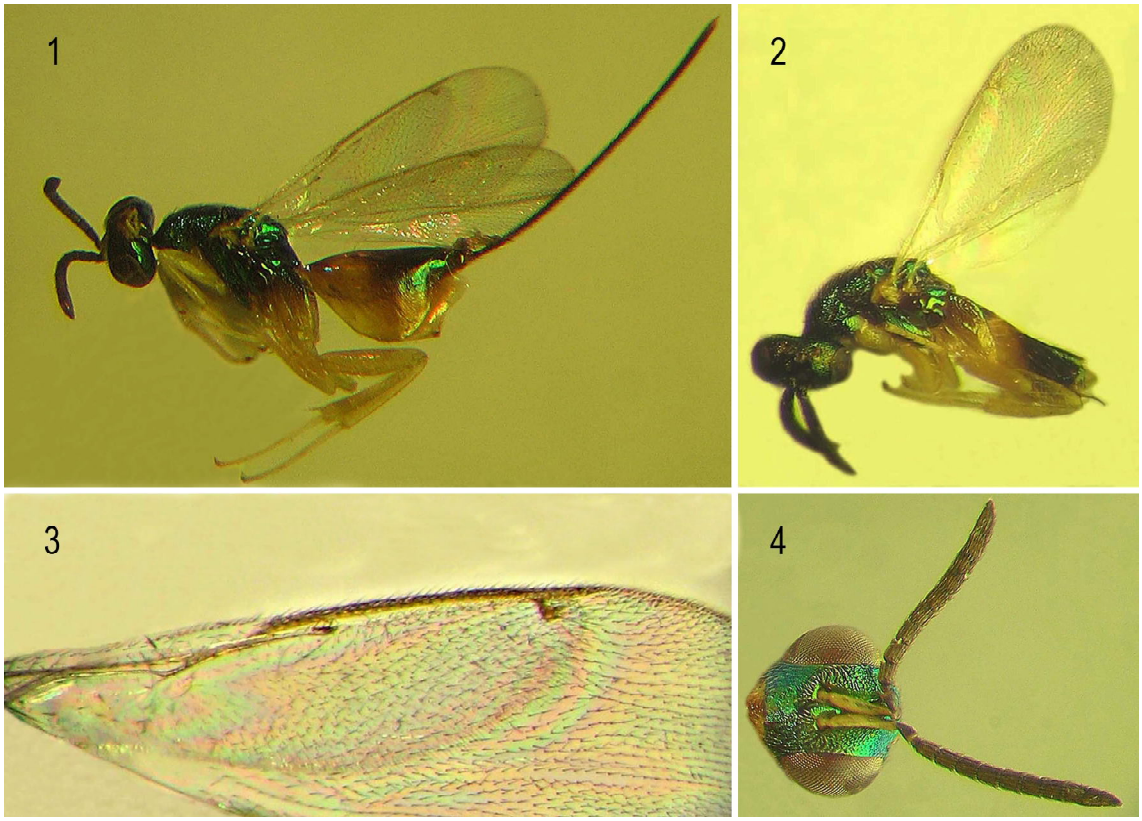
Description. *Female* (holotype and paratypes; Figs 1, 3–4). Body length (without ovipositor) 2.2–2.6 mm (holotype 2.3 mm). Ovipositor as long as body. Head and mesosoma light green with a bright metallic sheen, metasoma bright yellow with a green spot on dorsal side of fourth to sixth tergites, but size and intensity of color spots vary; all coxae yellow, but metacoxa at top with a small bright green spot; remaining leg segments light yellow except apical segment of all tarsi dark yellow; ovipositor brown; antenna with yellow scape and brown flagellum; wings transparent, with very pale veins.

In dorsal view, head about twice wider than long (40 : 21); POL almost 3.0 times greater than OOL (11 : 4). In frontal view, head wider than high (40 : 32); malar space less than longitudinal diameter of eye (18 : 25); eye hairless; clypeus with smooth lower edge. Frontal cavity not bordered, broad, with gently rounded edges and very shallow cellular sculpture. Upper part of face hairless, lower part with dense, bright and very short pubescence. Antenna attached just below middle of face, significantly above lower edge of eye. Scape convex, extending to level of middle ocellus. Pedicel 0.7 times as long as first funicular segment; anellus 2.0 times wider than long; funicular segments slightly vary in length. Ratio of length to width of first funicular segment 12 : 8, of 6th and 7th segments 12 : 7; clava not wider than funicular segments; pubescence of flagellum very short and appressed.

Mesosoma slightly convex dorsally (in lateral view). Dorsal surface of pronotum and mesonotum with uniform, very fine and strongly shiny cell-like sculpture. Pronotum (in dorsal view) significantly narrowed upwards; mesoscutum long; scutellum oval-shaped, about 0.7 times as long as mesoscutum. Propodeum very short, smooth, shining, with several weak wrinkles only on edges. Disc of fore wing hairless at base, remaining with very short, light and sparse pubescence. Postmarginal vein 2.5 times longer than stigmal vein.

Metasoma as long as mesosoma; gaster laterally strongly compressed, subtriangular-shaped. Gastral tergites smooth, strongly shining, fourth to sixth tergites dorsally with greenish spot. Ovipositor as long as body; ratio of ovipositor length to hind tibia length 19 : 8.

Male (paratypes, Fig. 2). Body length 1.4–1.5 mm. Similar to female except for small size of body and presence of dark green spot on gastral tergites covering not only dorsal but also its lateral parts.



Figs 1–4. *Torymus leleji* **sp.n.**: 1 — female, lateral view; 2 — male, lateral view; 3 — fore wing; 4 — head and antennae, front view.
Рис. 1–4. *Torymus leleji* **sp.n.**: 1 — самка сбоку; 2 — самец сбоку; 3 — переднее крыло; 4 — голова и усики самки спереди.

Comparative diagnosis. This new species is the most similar to the European *Torymus poae* (Hoffmeyer, 1930), from which it differs by the yellow gaster with greenish dorsal spot and yellow legs in both sexes, long flagellar segments and relatively short ovipositor which is about as long as body (in 1.2 times longer than body in *T. poae*) [Hoffmeyer, 1930].

Biology. *Torymus leleji* sp.n. associated with galls of a midge on grassy vegetation, a similar habitat like most other species of *Torymus* Dalman, 1820 [Graham, Gijswijt, 1998; Zerova, Seregina, 2015].

References

Graham M.W.R. de V., Gijswijt M.J. 1998. Revision of the European species of *Torymus* Dalman (Hymenoptera: Torymidae) // Zoologische Verhandelingen. Vol.317. P.1–202.

Hoffmeyer E.B. 1930. Callimomides nouveaux on rares dans la collection du Dr. J. Giraud (Hym., Chalc.) // Annales de la Société Entomologique de France. Vol.99. P.23–28.

Zerova M.D., Seregina L.Ya. 2015. [Chalcids-torymids, tribe Torymini]. Kiev: Naukova Dumka. 200 p. (Fauna of Ukraine, Vol.11. Pt.8). [In Ukrainian].

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