Koleopterologische Rundschau	95	89–91	Wien, October 2025

A new species of *Turgiditarsus* SCHILLHAMMER, 1997 from Thailand

(Coleoptera: Staphylinidae: Staphylininae)

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Abstract

A new species of *Turgiditarsus* SCHILLHAMMER, 1997 (Coleoptera: Staphylinidae: Staphylininae: Staphylinini, Acylophorina) is described from Thailand: *T. siamensis*. Morphological details are illustrated and an updated key to species is presented.

Key words: Coleoptera, Staphylinidae, Staphylininae, Acylophorina, *Turgiditarsus*, new species, Thailand, systematics, taxonomy, key.

Introduction

Members of the genus *Turgiditarsus* SCHILLHAMMER, 1997 are among the most seldom encountered, in nature as well as in collections. So far, five species have become known (SCHILLHAMMER 1996, 1997, SCHILLHAMMER & BRUNKE 2018), all except one represented by a single specimen. Thanks to the junior author's vigilance, we can add another new species, which he discovered among unidentified staphylinids of the CNC (Canadian National Collection of Insects, Arachnids and Nematodes, Agriculture and Agri-Food, Ottawa, Canada).

Turgiditarsus siamensis sp.n.

Holotype ♂ (CNC): "THAILAND Chanthaburi, Khao Kitchakut NP, Back of Kaew Glang Prei guest house, 12°50.38'N 102°27.27'E 55m, Pan trap, 16.-17.V.2009 Suthida Charoanchal leg. T4897".

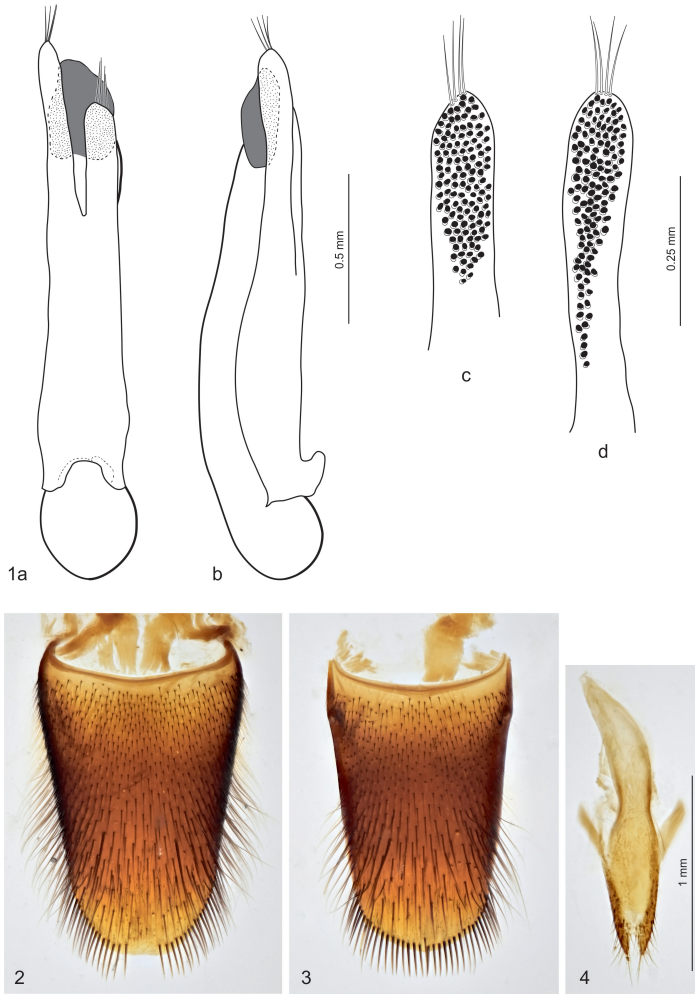
DESCRIPTION: Length: 10.5 (4.9 mm, abdomen excluded). Black, fore body very shiny; antennae with basal 5 segments black, subsequent antennomeres becoming increasingly paler brownish, 8 somewhat dirty yellowish, 9–11 creamy white; labrum dark brown; palpi and mandibles brown to dark reddish brown; protarsi bright reddish, meso- and metatarsi somewhat darker reddish; all tibiae with reddish anterior/lateral faces.

Head suborbicular, 1.04 times as wide as long; eyes large, 2.3 times as long as tempora, distinctly protruding; dorsal surface of head with rather dense and coarse punctation, with an elliptical portion on vertex impunctate; all antennomeres markedly oblong, antennomeres 1–6 with dense and thick setae, but 5 and 6 less than 1–4, remaining segments with normal pubescence and a wreath of setae at distal end.

Pronotum 1.22 as long as wide, widest in anterior third, narrowed toward rounded but recognisable hind angles in very shallow concave arc; dorsal surface rather finely, sparingly, almost uniformly punctate in anterior half, in posterior half only with a few fine punctures along midlength and laterally; both head and pronotum without any microsculpture.

Scutellum impunctate.

Elytra along sides longer than pronotum, densely and coarsely punctate, punctures separated by about a puncture diameter or slightly more; hind wings well developed.



Figs. 1–4: *Turgiditarsus siamensis*: 1) aedeagus in ventral (a), lateral (b) view, right parameral lobe (c), left parameral lobe (d); 2) male sternite VIII; 3) male tergite VIII; 4) male sternite IX.

Abdominal tergites with dense, rather fine punctation and pubescence, somewhat denser along anterior margin of each tergite; male sternite VIII with marginal setae shortly interrupted medioapically (Fig. 2); male tergite VIII (Fig. 3); male sternite IX (Fig. 4) long, asymmetrical, proximal portion very long, as long as distal portion.

Aedeagus (Fig. 1a–d) with short median lobe (apex covered by sclerite and thus not visible); paramere (Fig. 1c–d) bilobed, asymmetrical, left lobe much longer than right lobe, slightly bent around median lobe, both lobes with a dense cluster of numerous peg setae apically.

DIAGNOSIS: The species resembles *T. vietnamensis* SCHILLHAMMER & BRUNKE, 2018, but it differs in the larger eyes, denser punctation of the anterior half of pronotum, and the somewhat brighter legs.

DISTRIBUTION: The species is at present known only from the type locality.

ETYMOLOGY: The name of the species refers to country of origin.

Updated key to species of *Turgiditarsus*

1 Scutellum impunctate 2

– Scutellum punctate 4

2 Body black 3

– Body dark reddish brown; W-Malaysia ..... *ledangensis* (SCHILLHAMMER, 1996)

3 Anterior half of pronotum with rows of a few punctures along midline, otherwise almost impunctate; eyes smaller, 1.7 times as long as tempora; Vietnam …… ..... *vietnamensis* SCHILLHAMMER & BRUNKE, 2018

– Anterior half of pronotum with fine and almost uniform scattered punctation, distinct dorsal rows not discernible; eyes larger, 2.3 times as long as tempora; Thailand ..... *siamensis* sp.n.

4 Pronotum densely, uniformly, strongly punctate, body (including legs) black, three distal antennomeres whitish; Borneo ..... *kodadai* SCHILLHAMMER, 1997

– Pronotum with two irregular rows of few punctures, majority of pronotal disc impunctate; abdominal segments partly and legs entirely reddish brown, four distal antennomeres whitish; China 5

5 Pronotum wider, 1.06 times as long as wide; Chongqing, China …….. ..... *eureka* SCHILLHAMMER & BRUNKE, 2018

– Pronotum slenderer, 1.14 times as long as wide; Zhejiang, China …..…… … ..... *chinensis* (SCHILLHAMMER, 1996)

Zusammenfassung

Eine neue Art der Gattung *Turgiditarsus* SCHILLHAMMER, 1997 wird aus Thailand beschrieben: *T. siamensis*. Morphologische Details werden abgebildet und der Bestimmungsschlüssel wird aktualisiert.

References

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