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**DESCRIPTION OF A NEW SPECIES OF THE GENUS *DISTENIA*
LEPELETIER ET AUDINET-SERVILLE, 1828 (COLEOPTERA:
DISTENIIDAE) FROM HUNAN, CHINA**

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Summary. A new species *Distenia jiani* sp. n. (Coleoptera: Disteniidae) is described and illustrated from Hunan, China. The new species is similar to *D. orientalis* Bi et Lin, 2013, but is easily distinguishable by different the colouration of the antennae and legs.

Key words: Disteniini, taxonomy, new species.

П. Ван, Д. Вэнь, Г. Л. Се, В. К. Ван. Описание нового вида рода *Distenia* Lepeletier et Audinet-Serville, 1828 (Coleoptera: Disteniidae) из провинции Хунань, Китай // Дальневосточный энтомолог. 2025. N 533. С. 20-24.

Резюме. Из провинции Хунань в Китае описан и проиллюстрирован новый вид *Distenia jiani* sp. n. (Coleoptera: Disteniidae). Новый вид сходен с *D. orientalis* Bi et Lin, 2013, но легко отличается от последнего по окраске усиков и ног.

INTRODUCTION

Currently, the genus *Distenia* Lepeletier et Audinet-Serville, 1828, comprising 78 species and subspecies, is divided into two subgenera: *Distenia* (nominotypical subgenus; 64 species and subspecies) and *Basisvallis* Santos-Silva et Hovore, 2007 (14 species). Among these, 17 species of *Distenia* are known from China (Lin & Yang, 2019; Tavakilian & Chevillotte, 2025). In the present paper, a new species of this genus is described and illustrated from Hunan, China.

MATERIAL AND METHODS

The holotype (♂) and one paratype (♀) of the new species are deposited in the Insect Collection, College of Agriculture, Yangtze University, Jingzhou, Hubei, China (ICYZU);

two paratypes (1♂, 1♀) are deposited in the private collection of Dong Wen, Qingdao, China; one paratype (♀) is deposited private collection of Ming Yu Zhu, Guangzhou, Guangdong, China; other paratypes (8♀) are deposited private collection of Changge Jian, Zhangjiajie, Hunan, China.

Adult specimens and male genitalia were photographed separately using a Canon 5D Mark II digital camera equipped with a LAOWA 100 mm F/2.8 2× Ultra Macro APO and a LAOWA 25 mm F/2.8 2.5–5× Ultra Macro lens in combination with Helicon Remote software (Helicon Soft, Ukraine). All photographs were processed and edited using Adobe Photoshop CC 2019.

Genitalia were prepared by first softening the entire beetle in boiling water for several minutes. The abdomen was then opened from the abdominal apex along the dorsopleural margin. The genitalia were carefully removed using fine forceps and ophthalmic scissors, and then later cleared in 10% KOH at 80–100°C for several minutes.

DESCRIPTION OF NEW SPECIES

Family Disteniidae

Tribe Disteniini

Distenia jiani sp. n.

<https://zoobank.org/NomenclaturalActs/D29DA8AA-DC7E-4F5B-AAA2-D09F4A3F4994>

Figs 1A–D, 2A–F

MATERIAL EXAMINED. Holotype: ♂, **China:** Hunan Province, Zhangjiajie City, Yongding District, Tianmen Mountain, alt. 1500 m, 17 June 2025, coll. by Changge Jian. Paratypes: 1♀, same data as the holotype; 1♀, ditto except alt. 1510 m, coll. by Changge Jian; 1♂, 1♀, ditto except alt. 1510 m, 15 June 2025, coll. by Changge Jian; 1♀, ditto except alt. 1400 m, 15 June 2025, coll. by Changge Jian; 1♀, ditto except alt. 1510 m, 21 June 2025, coll. by Changge Jian; 1♀, ditto except alt. 1350 m, 28 June 2025, coll. by Changge Jian; 2♀, ditto except alt. 1510 m, 15 July 2025, coll. by Changge Jian; 2♀, ditto except alt. 1510 m, 16 July 2025, coll. by Changge Jian; 1♀, **China:** Hunan Province, Yongzhou City, Shuangpai County, Yangming Mountain National Nature Reserve, alt. 1100 m, 22 June 2025, coll. by Mingyu Zhu.

DESCRIPTION. Male (holotype) (Figs 1A–B). Body length 22.9 mm (measured from vertex to elytral apices), width 5.4 mm (measured across humeri).

Body blackish-reddish brown, mostly covered with brown pubescence. Antennae blackish-reddish brown, with the apices of antennomeres 3 and 4, the apical half of antennomere 5 pale yellow, and antennomeres 6–11 reddish-yellowish brown on the basal half and pale yellow on the apical half. Elytra blackish-reddish brown, with apical half reddish brown. Legs blackish-reddish brown, with tarsi and claws pale yellow. Antennomeres 1–2, most of antennomeres 3–4, the basal 3/4 of antennomere 5, and the basal 1/2 of antennomeres 6–11 covered with appressed short reddish-brown pubescence; apices of antennomeres 3–4, the apical 1/4 of antennomere 5, and the apical 1/2 of antennomeres 6–11 covered with appressed pale yellow pubescence. Ventral recumbent pubescence of the antennae obviously longer than those on the dorsal side, especially from antennomere 7 onward.

Head with frons extremely short, with well-marked longitudinal median sulcus; frons densely and coarsely punctured; vertex slightly concave. Eyes coarsely faceted and deeply emarginate; gena extremely short, distinctly shorter than lower eye lobe; antennal tubercles slightly raised and widely separated from each other. Antennae longer than body, 2.0 times

as long as body, antennomere 6 surpassing elytral apex, scape nearly cylindrical and slightly curved, antennomeres 3–5 subequal in length, slightly longer than scape, antennomeres 6–10 successively decreased in length, antennomere 11 subequal in length to 9, pointed apically; scape with densely and finely punctate; scape with coarse rugose punctures, antennomeres 1–5 with densely and finely punctate, punctation becomes indistinct on subsequent antennomeres. Pronotum wider than long, with obviously anterior and posterior constriction; lateral spine conical with subacute apex, slightly directed backward; disc uneven, densely and finely punctured, provided with a longitudinally, obviously developed posteromedian callus. Scutellum broadly linguiform, densely and finely punctate. Elytra 3.2 times as long as humeral width, humeri slightly prominent anteriorly, almost straightly narrowed to acutely apices; disc with densely and finely punctate, punctation becoming indistinct on apical part; each elytron with about seven longitudinal rows of large punctures on the basal half. Procoxal cavities widely opened posterior. Metasternum provided with a prominent and smooth median longitudinal black line. Abdominal ventrite V slightly longer than wide, moderately narrowed apically, posterior margin slightly concave.

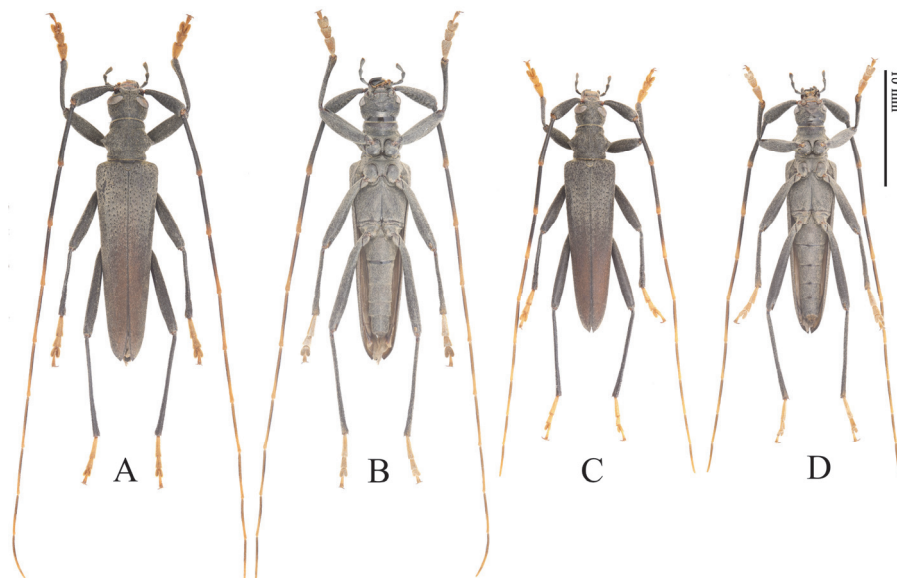


Fig. 1. *Distenia jiani* sp. n. A, B – holotype, male; C, D – paratype, female. A, C – dorsal view; B, D – ventral view. Scale bar: 10 mm.

Legs long and slender, femora clavate, metafemora nearly extending to abdominal apex; first metatarsomer distinctly longer than following two tarsomeres combined; claws divergent.

Male genitalia (Figs 2A–F). Tergite VIII ligulate, convex round apically, 1.8 times as long as wide, clothed with short setae laterally and apically; piculum relictum longer than a half of spiculum gastrale. Paramere moderately long, length 1.9 times as long as width, bearing moderately dense setae near apex; median lobe moderately curved in lateral view, distinctly shorter than tegmen. Median struts about half length of median lobe, ventral plate rounded at apex. Endophallus long, mostly membranous.

Female (Figs 1C–D). Length 19.6 mm (measured from vertex to elytral apices), width 4.4 mm (measured across humeri). Similar to male, antennae 1.7 times as long as body, reaching elytral apex at antennomere 7, antennomeres 3–4 subequal in length, antennomeres 5–7 subequal in length, antennomere 11 subequal in length to 9, pointed apically. Elytra 3.4 times as long as humeral width. Abdominal ventrite V posterior margin slightly concave.

DIAGNOSIS. The new species is most similar to *Distenia orientalis* Bi et Lin, 2013 but differs in the following aspects: antennomere 6 surpassing elytral apex and the colouration of the antennae and legs; tergite VIII apically more acutely rounded.

DISTRIBUTION. China (Hunan).

ETYMOLOGY. The new species is named after Mr. Changge Jian (Hunan, China), in appreciation of his generosity in offering the specimens to be described.



Fig. 2. Male genitalia of *Distenia jiani* **sp. n.** A, B – tergite VIII; C – paramere; D – spiculum gastrale; E, F – median lobe. A, C, D, E – ventral view; B – dorsal view; F – lateral view.

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