A new *Mycetophagus* Fabricius, 1792 species from China (Coleoptera: Mycetophagidae) with new faunistic records

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Abstract. A new species *Mycetophagus* (*Ilendus*) *konvickai* sp. nov. is described and illustrated from China: Sichuan Province. Additionally, it is compared with three eastern Palaearctic congeners. The species *Mycetophagus* (*Ulolendus*) *antennatus* (Reitter, 1879) and *Litargus* (*Litargosomus*) *japonicus* Reitter, 1877 are firstly recorded from China: Sichuan Province.

INTRODUCTION

The small fungus beetle family Mycetophagidae currently contains 28 valid genera and 210 species Worldwide (Háva 2022). During the determination of a mycetophagid collection deposited at the private collection of Ondřej Konvička (Zlín, Czech Republic), the author found a new *Mycetophagus* Fabricius, 1792 species from China which is described below. Two new faunistic records are reported.

MATERIAL AND METHODS

The size of the beetles or of their body parts can be useful in species recognition and thus, the following measurements were made:
total length (TL) - linear distance from anterior margin of head to apex of elytra.
elytral width (EW) - maximum linear transverse distance.

The material is deposited in the following collections:
JHAC Jiří Háva, Private Entomological Laboratory & Collection, Únětice u Prahy, Prague-West, Czech Republic;
OKPC Ondřej Konvička, private collection, Zlín, Czech Republic.

Specimens of the presently described species are provided with red, printed labels with texts as follows: „HOLOTYPE (or PARATYPE, respectively) *Mycetophagus* (*Ilendus*) *konvickai* sp. nov. Jiří Háva det. 2024".

RESULTS

Mycetophagus (*Ilendus*) *konvickai* sp. nov.

(Figs. 1-5)

Type material. Holotype (♂): CHINA: N Sichuan, Xiao-Zhaizi Nat. Nature Reserve, 4 km NNE of Qingpiangsiang, Zhenghecum, 32°3´27´´N, 103°59´37´m´E, 1350-1850 m, 23-26.vi.2017, Ondřej Konvička lgt., (OKPC). Paratypes: (1 ♂, 2 ♀♀): same data as holotype, (1 ♀ OKPC; 1 ♂, 1 ♀ JHAC).

Description. Male. Body measurements TL 5.6 mm, EW 2.3 mm; elongate-oval, subparallel-sided; weakly convex dorsally, weakly glossy; mostly brown, covered with brownish and yellow

recumbent setation; mouthparts, legs brown; elytra brown with yellowish-brown patches.

Head with dense and coarse punctures; ocular distance about 2.7 times wider than diameter of eyes; covered by yellowish, erect setation; labrum brown; eyes prominent laterally in dorsal view, coarsely faceted and slightly emarginate near antennal insertions; antennae with 11 antennomeres, brown, antennal club with five antennomeres (Fig. 3); palpi dark brown, apical maxillary palpomere cylindrical.

Pronotum convex dorsally, rugose, with large and dense punctures and yellow setation; widest at middle, gradually narrowed anteriad and posteriad; anterior margin slightly arcuate; lateral sides distinctly margined, roundly arcuate; basal margin sinuate, with short and circular grooves subbasally.

Scutellum triangularly-oval, with short recumbent brown setation.

Elytra with yellow and brown recumbent setation, elongate, subparallel-sided, narrowed from apical fourth to apex; dark brown with many small, large and geometric yellowish-brown patches (Figs. 1-2), which are variable among individuals; punctate-striate, strial punctures very deep, large and regular; interstices flat, narrower than striae.

Meta- and mesoventrites dark brown, with yellow recumbent setation.

Abdominal visible ventrites brown, with yellow recumbent setation.

Male genitalia as in Figs. 4-5.

Female. Externally similar to male.

Variability. Body measurements TL 5.0-5.6 mm, EW 2.2-2.3 mm.

Figs. 1-5. *Mycetophagus* (*Ilendus*) *konvickai* sp. nov. (holotype): 1- habitus, dorsal aspect; 2- habitus, lateral aspect; 3- antennae; 4- male genitalia, dorsal aspect; 5- male genitalia, tip of parameres, lateral aspect.

Differential diagnosis. The new species belongs to the subgenus *Ilendus* Casey, 1900 according to characters mentioned by Nikitski (1993) and differs from the similar eastern Palaearctic species *M. irroratus* Reitter, 1879 *M. yunnanus* Háva, 2019 and *M. lederi* Reitter,

1897 by the short, brown antennae (Fig. 3), the structure of the male genitalia (Figs. 4-5) and the elytral colour patterns.

Etymology. Patronymic, dedicated to the collector of the new species Ondřej Konvička (Czech Republic).

Mycetophagus (*Ulolendus*) *antennatus* (Reitter, 1879)

Material examined: CHINA: N Sichuan, Xiao-Zhaizi Nat. Nature Reserve, 4 km NNE of Qingpiangsiang, Zhenghecum, 32°3′27′′N, 103°59′37′m′E, 1350-1850 m, 23-26.vi.2017, Ondřej Konvička lgt., 1 spec., J. Háva det., (OKPC).

Distribution. This species is known from Azerbaijan, China (Inner Mongolia, Guangxi), Japan, Mongolia, Myanmar, Russia, Taiwan, Thailand, Vietnam (Nikitsky 1993, 2020, Háva 2022), new for China (Sichuan).

Litargus (*Litargosomus*) *japonicus* Reitter, 1877

Material examined: CHINA: N Sichuan, Xiao-Zhaizi Nat. Nature Reserve, 4 km NNE of Qingpiangsiang, Zhenghecum, 32°3′27′′N, 103°59′37′m′E, 1350-1850 m, 23-26.vi.2017, Ondřej Konvička lgt., 1 spec., J. Háva det., (OKPC).

Distribution. This species is known from Japan, Mongolia, North Korea, South Korea (Háva 2022), new for China (Sichuan).

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