

**Taxonomic status of the subgenera *Arnoldiellus* Nikitsky, 1989 and *Paramycetophagus* Nikitsky, 2007 of the genus *Mycetophagus* Fabricius, 1792 (Coleoptera: Mycetophagidae)**

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**Taxonomy, new status, new combination, Coleoptera, Mycetophagidae, *Arnoldiellus*, *Mycetophagus*, *Paramycetophagus*, Palearctic Region**

**Abstract.** The subgenera *Arnoldiellus* Nikitsky, 1989 and *Paramycetophagus* Nikitsky, 2007 are elevated to genus resulting in the following new combinations: *Arnoldiellus tschitscherini* (Reitter, 1897), *Paramycetophagus nepalensis* (Háva, 2019) and *Paramycetophagus sulcicollis* (Champion, 1917).

## INTRODUCTION

The Mycetophagidae is small beetle family including 200 valid species and subspecies worldwide (Háva 2022, 2023). The genus *Mycetophagus* Fabricius, 1792 is divided into 13 subgenera including 67 species worldwide (Háva 2022). In the present article two subgenera of *Mycetophagus* elevated to genus based on described morphological characters, with three new combinations resulting.

## MATERIAL AND METHODS

Material deposited in the following collections:  
BMNH British Museum Natural History, London, England;  
NHMW Naturhistorisches Museum, Wien, Austria;  
NMED Naturkundemuseum, Erfurt, Germany;  
JHAC Jiří Háva, Private Entomological Laboratory & Collection, Únětice u Prahy, Prague-West, Czech Republic.

## RESULTS

### **Genus *Arnoldiellus* Nikitsky, 1989 stat. nov.**

= *Mycetophagus* subgenus *Arnoldiellus* Nikitsky, 1989: 60.

**Type species:** *Tritoma tschitscherini* Reitter, 1897.

**Diagnosis.** This subgenus was described by Nikitsky (1989) to include the type species *Mycetophagus tschitscherini* (Reitter, 1897). Characters differing from other subgenera of the genus *Mycetophagus* are as follows: antenna with illdefined antennal club; pronotum on posterior part with oval punctation; elytra with erect setation; parameres with setation dorsally and ventrally. The characters above are sufficient to elevate the the subgenus *Arnoldiellus* Nikitsky, 1989 to genus.

**Included species:**

*Arnoldiellus tschitscherini* (Reitter, 1897) comb. nov.

= *Tritoma tschitscherini* Reitter, 1897: 228.

= *Tritoma tschitscherini* Semenov, 1898: 549 (homonym).

= *Mycetophagus tschitscherini*: Nikitsky, 1989: 61.

**Material examined:** „A.Jakowlew, Jaroslaw“ / „coll. Hauser“ / „Tritoma Tschitscherini teste: A. Jakowlew“ / „Arnoldiellus tschitschenini (Reitt.) J. Háva det. 2023“, 1 spec., (NHMW); „Jaroslaw“ / Tritoma tschitscherini Rtt., A. Semenow det.“ / „Arnoldiellus tschitschenini (Reitt.) J. Háva det. 2023“, 1 spec., (JHAC).

**Distribution.** Species known from Latvia, Russia, Sweden, Mongolia, North Korea (Háva 2022).



Figs. 1-2. *Arnoldiellus tschitscherini* (Reitter, 1897) comb. nov.: 1- habitus, dorsal aspect; 2- antenna (according to <http://www.cassidae.uni.wroc.pl>).

## Genus *Paramycetophagus* Nikitsky, 2007 stat. nov.

= *Mycetophagus* subgenus *Paramycetophagus* Nikitsky, 2007: 73.

**Type species:** *Mycetophagus sulcicollis* Champion, 1917.

**Diagnosis.** This subgenus was described by Nikitsky (2007) to include the type species *Mycetophagus sulcicollis* Champion, 1917. Characters differing from other subgenera of the genus *Mycetophagus* are following: antennae with illdefined 5 antennomeres; pronotum and elytra with two forms of setae (long erect setae and short decumbent setae), pronotum with granulate punctures. The characters above are sufficient to elevate the subgenus *Paramycetophagus* Nikitsky, 2007 to genus.

**Included species:**

### *Paramycetophagus nepalensis* (Háva, 2019) comb. nov.

= *Mycetophagus nepalensis* Háva, 2019: 88.

**Type material.** Holotype (♂): Nepal, Prov. Koshi, Tashigaon, 2100 m, 11.x.2002, J. Weipert lgt., (NMED). Paratypes: 1 (♀): the same data as holotype, (NMED); 1 (♀): Nepal, Koshi, Gufa- Gorza, 2800-2100 m 4.vi.1985, C. Holzschuh lgt., (JHAC); 1 (♀): Nepal, Anapurna Mts., Kali Gandaki valley, SE Lete, Tandung Khola, 2400 m, 3.vi.2004, Schmidt lgt., (NMED).

**Distribution.** Species known from Nepal (Háva 2019, 2022).

### *Paramycetophagus sulcicollis* (Champion, 1917) comb. nov.

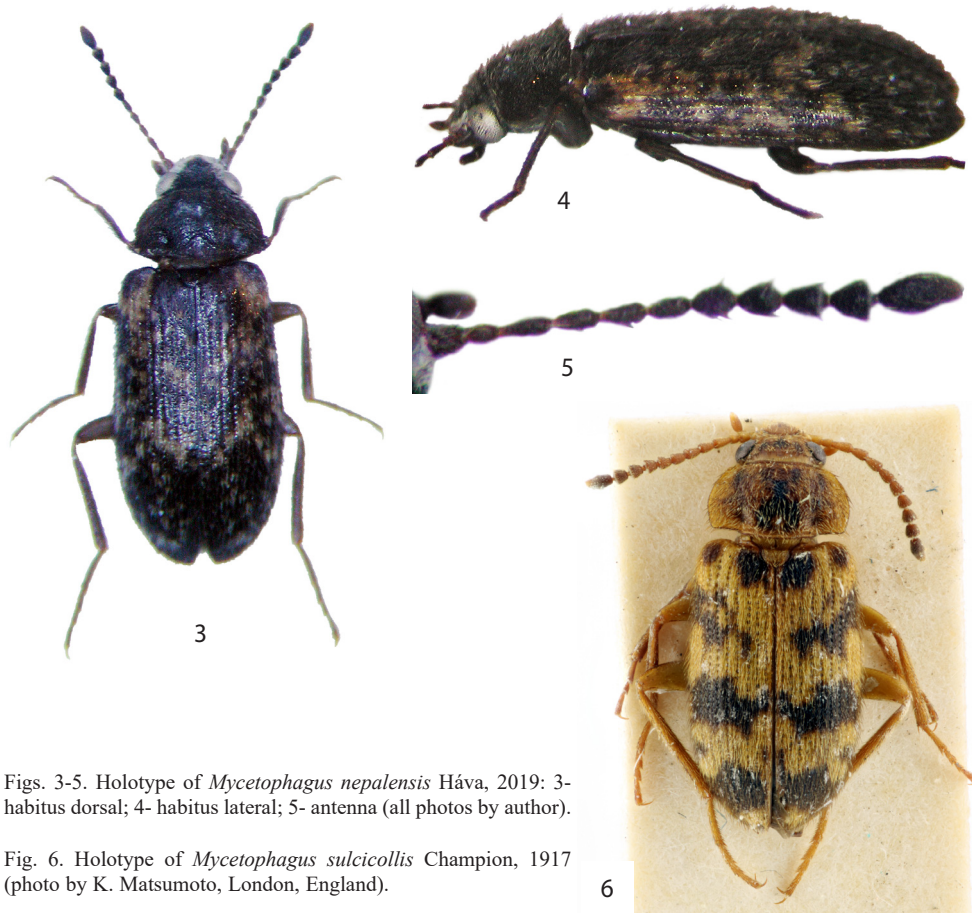
= *Mycetophagus sulcicollis* Champion, 1917: 53.

= *Mycetophagus sulcicollis*: Nikitsky, 2007: 73.

**Type material.** Holotype (♂): W. Almora, U.P., India, 5-8'16.H.G.C. / 23, on Polyporus on dead *Alnus nepalensis* [hand written] / Type H.T. / 1917.-19. / *Mycetophagus sulcicollis* Ch [hand written] / Holotypus ♂ *Mycetophagus sulcicollis* Champion [red label, hand written] / *Mycetophagus* (*Paramycetophagus* subgen. nov.) *sulcicollis* Champ. N. Nikitsky det. 2002, NHMUK015027731, (BMHN).

**Distribution.** Species known from India: Uttar Pradesh (Háva 2019, 2022).

ACKNOWLEDGEMENTS. I am very obliged to Vladimír Novák (Czech Republic) for valuable comments, to Keita Matsumoto (London, England) for making the photo of holotype specimen *Mycetophagus sulcicollis* Champion and to Larry G. Bezark (U.S.A.) for revision of the English text of the manuscript.



Figs. 3-5. Holotype of *Mycetophagus nepalensis* Háva, 2019: 3- habitus dorsal; 4- habitus lateral; 5- antenna (all photos by author).

Fig. 6. Holotype of *Mycetophagus sulcicollis* Champion, 1917 (photo by K. Matsumoto, London, England).

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*Received: 15.4.2023*

*Accepted: 20.5.2023*

*Printed: 5.10.2023*

