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The first records of the ground beetles *Stenolophus* (*Stenolophus*) *abdominalis persicus* and *Stenolophus* (*Egadroma*) *marginatus* (Coleoptera: Carabidae) in Slovakia

První nálezy střevlíků *Stenolophus* (*Stenolophus*) *abdominalis persicus* a *Stenolophus* (*Egadroma*) *marginatus* (Coleoptera: Carabidae) na Slovensku

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Carabidae, faunistics, Harpalini, southern Slovakia, Stenolophina, *Stenolophus abdominalis persicus*, *Stenolophus marginatus*

Abstract. We here provide the first records of the ground beetles *Stenolophus* (*Stenolophus*) *abdominalis persicus* Mannerhein, 1844, and *Stenolophus* (*Egadroma*) *marginatus* Dejean, 1829 for Slovakia, from the Danubian Lowland. For both species, these are the northernmost findings known to date. *Egadroma* Motschulsky, 1855 is a new subgenus for Slovakia.

INTRODUCTION

The genus *Stenolophus* Dejean, 1821 is currently represented in Slovakia by the species *S. discophorus* (Fischer von Waldheim, 1823), *S. mixtus* (Herbst, 1784), *S. skrimshiranus* Stephens, 1828, *S. steveni* Krynicki, 1832 and *S. teutonus* (Schrank, 1781), which belong to the nominotypical subgenus.

In this paper, we present the first findings of the species *Stenolophus* (*Stenolophus*) *abdominalis persicus* Mannerheim, 1844 (Fig. 1) and *Stenolophus* (*Egadroma*) *marginatus* Dejean, 1829 (Fig. 2) in Slovakia.

The abbreviation CHA stands for "chránený areál" (a category of protected area in Slovakia).

RESULTS

Stenolophus* (*Stenolophus*) *abdominalis persicus Mannerheim, 1844

Slovakia mer.: Čenkov (8277), 47°46′17″N, 18°32′37″E, 135 m a. s. l., 20.vi.2022, 2 ♂♂, at UV light on the protective flood dam of the Danube River, Richard Szopa leg. et coll., David Hrebeň det., Jiří Stanovský revid.; Tvrdošovce (7974), 48°06′25.15″N, 18°01′39.016″E, 150 m a. s. l., 11.v.2024, 1 ♀ by sweeping vegetation on the bank of the Jatovský kanál in the CHA Panské lúky, together with other ground beetles species: *Amara* (*Zezea*) *chaudoiri incognita* Fassati, 1946 and *Amara* (*Zezea*) *tricuspidata* Dejean, 1831, Martin Linhart leg., det. et coll. Both locations are located in the Danubian Lowland and are approximately 52 km apart as the crow flies.

Widespread from mainland Italy, through the Balkans, Turkey and Central Asia to Tajikistan, Kyrgyzstan and Xinjiang Province in western China (Jaeger & Kataev 2017). So far the

northernmost known occurrence was reported from Hungary (Kutasi & Sár 2007, Sár 1992). Probably on the basis of these findings, under the name *Stenolophus persicus* Mannerheim, 1844, the taxon is listed as possible for Slovakia with the note "Not yet recorded from Czech Republic and Slovak Republic, occurring in Hungary" (Hůrka 1996).

A new species for Slovakia.

Stenolophus (***Egadroma***) ***marginatus*** Dejean, 1829

Slovakia mer., Kamenica nad Hronom (8178), 47°49′40″N, 18°43′21″E, 130 m a. s. l., 10.vii.2023, 1 ♂, on UV light on the protective flood dam of the Hron river, Richard Szopa leg. et coll., David Hrebeň det., Jiří Stanovský revid.

A typical Mediterranean species distributed in the southern Palearctic from northwestern Africa and the Iberian Peninsula through the Mediterranean, Central Asia to the Caucasus and Xinjiang in western China (Jaeger & Kataev 2017). The species has been spreading northward in recent decades. It was successively reported from south-eastern France from the Auvergne-Rhône-Alpes region from the southern parts of the departments of Drôme and Ardèche (Coulon et al. 2000), from north-western Italy from the province of Piedmont from the vicinity of the city Asti (Allegro 2013) and from southern Switzerland from Ticino (Chittaro & Marggi 2015), which was so far the only data from Central Europe. The find in Slovakia is currently the northernmost known occurrence in the entire area of distribution. *S. marginatus* is the only European representative of the subgenus *Egadroma* Motschulsky, 1855.

A new species and also a new subgenus for Slovakia.

For both species, further finds can be expected in future in the warm, lowland regions of Slovakia, as well as a probable future northward expansion.

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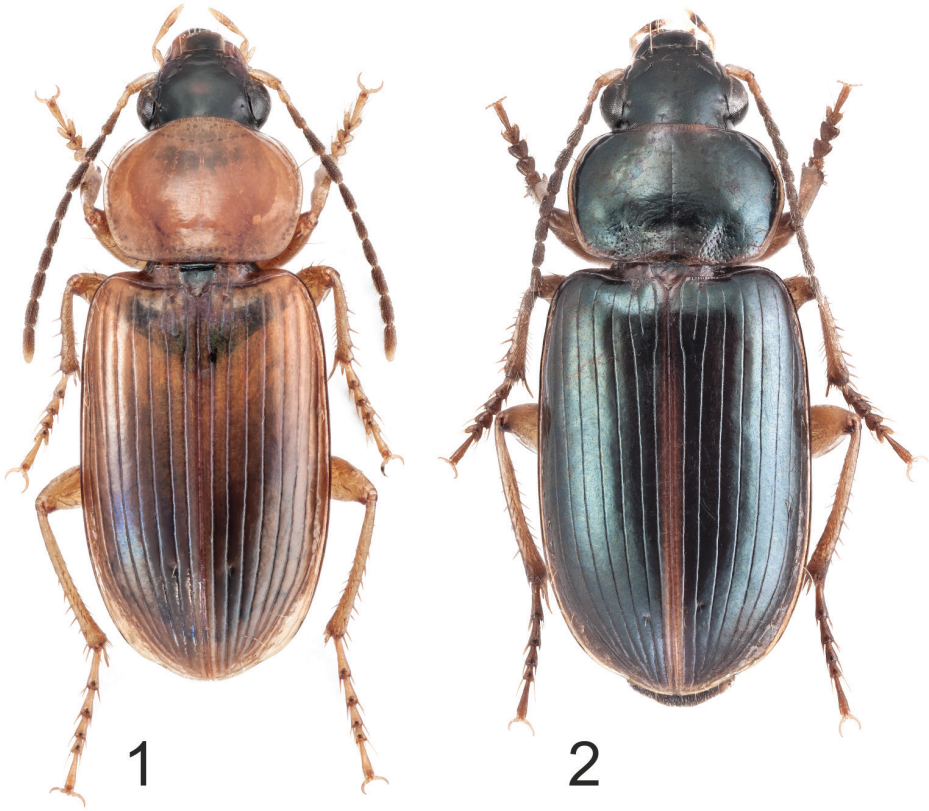
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Figs 1–2. 1 – male *Stenolophus* (*Stenolophus*) *abdominalis persicus* Mannerheim, 1844 from Čenkov; 2 – male *Stenolophus* (*Egadroma*) *marginatus* Dejean, 1829 from Kamenica nad Hronom. Photograph by A. Sedláček.
Obr. 1–2. 1 – samec *Stenolophus* (*Stenolophus*) *abdominalis persicus* Mannerheim, 1844 z Čenkova; 2 – samec *Stenolophus* (*Egadroma*) *marginatus* Dejean, 1829 z Kamenice nad Hronom. Fotografie A. Sedláček.

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SOUHRN

V tomto článku uvádíme první nálezy střevlíků *Stenolophus* (*Stenolophus*) *abdominalis persicus* Mannerheim, 1844 a *Stenolophus* (*Egadroma*) *marginatus* Dejean, 1829 na Slovensku. Podrod *Egadroma* Motschulsky, 1855 je také novým podrodem pro území Slovenské republiky.

Stenolophus (*Stenolophus*) *abdominalis persicus* Mannerheim, 1844 je rozšířen v teplých oblastech jihovýchodní Evropy, na Balkáně, v Turecku, na Kavkaze a ve střední Asii až

po Sin-ťiang v západní Číně (Jaeger & Kataev 2017). Nejblíže slovenským nálezům byl hlášen z Maďarska (Kutasi & Sár 2007, Sár 1992). Dva samci byli nalezeni v červnu 2022 v Čenkově při příletu na UV světlo a jedna samice byla zjištěna při smýkání pastviny v květnu 2024 v Tvrdošovcích. Nový druh pro Slovensko.

Stenolophus (*Egadroma*) *marginatus* Dejean, 1829 je středomořský druh rozšířený především v teplých oblastech jižní Evropy, severní Afriky, Balkánu a střední Asie až po západní Čínu (Jaeger & Kataev 2017). Ve střední Evropě byl dosud nalezen pouze na jihu Švýcarska v kantonu Ticino (Chittaro & Marggi 2015). Jeden samec byl nalezen při příletu na UV světlo v červenci 2023 v Kamenici nad Hronom v Podunajské nížině. Nový druh a nový podrod pro Slovensko.