

New host record, new range information and the first records of *Mesochorus bellus* and *Mesochorus orbitalis* (Hymenoptera, Ichneumonidae) from Slovakia

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Emmelina monodactyla (L., 1758) (Lepidoptera, Pterophoridae) was found to be very widespread in Slovakia and associated with *Convolvulus arvensis* L. under very different ecological conditions. *Aleiodes bicolor* (Spinola, 1808) (Hymenoptera, Braconidae), a solitary larval endophagous koinobiont parasitoid, formed almost all of *E. monodactyla* parasitoids in Slovakia (TÓTH et al., 2003). During 1997-1999, the parasitized larvae of *E. monodactyla* were collected irregularly at different sites throughout Slovakia. To assess the parasitoid emergence rate, field-collected larvae were reared under laboratory conditions (20 ± 1°C) on fresh cuttings of *C. arvensis* placed in plastic tubes (8 cm diameter, 4.5 cm high) with perforated tops for aeration. During the study the first records of two hymenopterous hyperparasitoid of *A. bicolor* were noted for Slovakia.

Hymenoptera (Ichneumonidae)

Mesochorus bellus Schwenke, 1999

Material examined. SW Slovakia, Kamenica nad Hronom (47°50' N, 18°44' E, 8178 = grid reference number of the Databank of the fauna of Slovakia), 117 m a.s.l., 21.V.1998, 1 ♂; C Slovakia, Král (48°20' N, 20°20' E, 7688) 167 m a.s.l., 18.IX.1998, 1 ♀; all ex pupae of *E. monodactyla*, which were parasitized by *A. bicolor*, leg. P. Tóth, M. Tóthová et Ľ. Cagáň, det. J. Šedivý, coll. J. Šedivý et P. Tóth.

Distribution. Until now, the distribution of *M. bellus* is known only from Germany (SCHWENKE, 1999). In Slovakia, it was found as solitary koinobiont hyperparasitoid of *Aleiodes bicolor*. This is the first record of its host worldwide.

Mesochorus orbitalis Holmgren, 1860

Material examined. E Slovakia, Poprad (49°03' N, 20°18' E, 6987), 672 m a.s.l., 18.XI.1998, 1 ♀, ex pupae of *E. monodactyla*, which were parasitized by *A.*

bicolor, leg. P. Tóth, M. Tóthová, et Ľ. Cagáň, det. J. Šedivý, coll. J. Šedivý et P. Tóth.

Distribution. *M. orbitalis* is known from Sweden and Poland (SCHWENKE, 1999). In Slovakia, it was found as solitary koinobiont hyperparasitoid of *Aleiodes bicolor*. This is the first record of its host worldwide.

Remarks. Almost all koinobiont *Mesochorus* species are obligatory hyperparasitoids, which appear to be able to develop in a relatively broad range of primary parasitoids from Ichneumonoidea (Hymenoptera), and, less frequently, of Tachinidae (Diptera) (WAHL, 1993). The broad hosts range is probably also the case of *M. bellus* and *M. orbitalis*.

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First records of *Campylomyza flavipes* (Diptera, Cecidomyiidae) from Slovakia

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During an investigation of entomofauna associated with barley (*Hordeum vulgare* L.) fields adults of the soil cecidomyiid, *Campylomyza flavipes* Meigen, 1818 (Diptera, Cecidomyiidae), were found.

C. flavipes belongs to the subfamily Lestremiinae, where all species are mycetophagous in the larval stage. *C. flavipes* is a bivoltine species (NIELSEN & NIELSEN, 2002). The species has not been previously recorded from Slovakia.

Campylomyza flavipes Meigen, 1818

Material examined: SW Slovakia, Maňa, Žitavský luh (48°10' N, 18°18' E, 7875 – grid reference number of the Databank of the fauna of Slovakia) 129 m a.s.l, 22.VI.2002, 2 ♀♀; 30.VI.2002, 3 ♀♀; 6.VII.2002, 1 ♀, leg. P. Tóth et J. Lukáš, det. M. Skuhravá, coll. M. Skuhravá et P. Tóth.

Distribution: *C. flavipes* is distributed through the Holarctic region (SKUHRÁVÁ, 1986; JASCHHOF, 1998). It has also been known from the Czech Republic (SKUHRÁVÁ, 1997) and its occurrence in Slovakia was predicted.

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