

First records of some Chalcidoidea species (Hymenoptera) parasiting on horse chestnut leaf miner, *Cameraria ohridella* (Lepidoptera, Gracillariidae), in Slovakia

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During 2003–2005 regular collections of horse chestnut leaves (*Aesculus hippocastanum* L.) were carried out to screen the parasitoid species associated with larvae and pupae of horse chestnut leaf miner (*Cameraria ohridella* Deschka et Dimic, 1986) at two different sites of SE Slovakia. Within the parasitoids reared, three species from the superfamily Chalcidoidea (Hymenoptera) were newly recorded for Slovakia.

Eulophidae

Pnigalio agraulis (Walker, 1839)

Material examined: SE Slovakia, Svätušie (48°26' N, 21°55' E, 120 m a.s.l.), 26.VI.2004, 3 ♀♀, 3 ♂♂; 10.VII.2004, 1 ♀, 25.VII.2004; 1 ♂, 8.VIII.2004, 1 ♀; Košice-US Steel (48°37' N, 21°11' E, 220 m a.s.l.), 25.VIII.2003, 2 ♀♀, 2 ♂♂; 12.VI.2004, 2 ♀♀; 28.VI.2004, 1 ♀; 12.VII.2004, 1 ♀; 12.VIII.2004, 3 ♀♀, 2 ♂♂; 24.VIII.2004, 5 ♀♀, 1 ♂; 21.IX.2004, 7 ♀♀, 4 ♂♂; 21.VI.2005, 2 ♀♀; 31.VII.2005, 19 ♀♀, 10 ♂♂; 15.VIII.2005, 9 ♀♀, 9 ♂♂; 6.IX.2005, 3 ♀♀, 3 ♂♂; all ex. larvae of *C. ohridella* (Lepidoptera, Gracillariidae), leg. J. Kohlmajerová, P. Tóth, det. and coll. J. Lukáš.

Distribution: The species is distributed, e.g., in Germany (JORDAN, 1995), in the Mediterranean region (GUARIO & NOTTE, 1997), Austria (STOLZ, 2000), Serbia (STOJANOVIC & MARKOVIC, 2004) and Jordan (ATEYYAT, 2002).

P. agraulis is polyphagous (JORDAN, 1995); it was found, e.g., as parasitoid of *Apion croceifemoratum* Gyllenhal (Coleoptera, Curculionidae) (STAVRAKI, 1986), *Tischeria ekebladella* (Bjerkander, 1795) (Lepidoptera, Tischeriidae) (JORDAN, 1995), *Phyllocnistis citrella* Stainton, 1856 (CALECA et al., 1996), *Bactrocera oleae* (Gemlin, 1788) (Diptera, Tephritidae) (GUARIO & NOTTE, 1997) and *C. ohridella* (Lepidoptera, Gracillariidae) (LUPI, 2005).

Baryscapus nigroviolaceus (Nees, 1834)

Material examined: SE Slovakia, Svätušie, 10.VII.2004, 2 ♂♂; all ex larvae of *C. ohridella* (Lepidoptera, Gracillariidae), leg. J. Kohlmajerová, P. Tóth, det. and coll. J. Lukáš. Distribution: The species is known, e.g., from Italy (GIBOGINI et al., 1996; LUPI, 2005), Austria (GRABENWEGER & LETHMAYER, 1999), Serbia (STOJANOVIC & MARKOVIC, 2005) and Turkey (GENCER & SEVEN, 2005).

B. nigroviolaceus is known mainly as a parasitoid and hyperparasitoid of leaf miners from the family Gracillariidae (Lepidoptera), e.g., *Phyllonorycter robiniellus* (Clemens, 1859) (GIBOGINI et al., 1996; STOJANOVIC & MARKOVIC, 2005), *Micrurapteryx sophorivora* Kuznetsov et Tristan, 1985 (GENCER & SEVEN, 2005) and *C. ohridella* (LUPI, 2005).

Pteromalidae

Pteromalus varians (Spinola, 1808)

Material examined: SE Slovakia, Svätušie, 26.VI.2004, 9 ♀♀, 2 ♂♂; 10.VII.2004, 1 ♀, 1 ♂; Košice-US Steel, 21.VI.2005, 1 ♀; 6.IX.2005, 3 ♂♂; all ex larvae and pupae of *C. ohridella* (Lepidoptera, Gracillariidae), leg. J. Kohlmajerová, P. Tóth, det. and coll. J. Lukáš.

Distribution: The species was recorded, for instance, in Poland (LAGOWSKA & WINIARSKA, 1982), Lithuania (RILISHKENE & ZAYANCHKAUSKAS, 1985), The Netherlands (ZIZP & BLOMMERS, 1992) and Kazakhstan (DZHANOKMEN, 2001).

P. varians is known as frequent larval parasitoid of *Anthonomus pomorum* (L., 1758) (Coleoptera, Curculionidae) (LAGOWSKA & WINIARSKA, 1982; RILISHKENE & ZAYANCHKAUSKAS, 1985; ZIZP & BLOMMERS, 1992).

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