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The first record of the sawfly *Pseudodineura parvula* (Hymenoptera: Symphyta: Tenthredinidae) from Slovakia

Prvonález bylinnej osy *Pseudodineura parvula* (Hymenoptera: Symphyta: Tenthredinidae) na Slovensku

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Abstract. The tenthredinid leaf-mining sawfly *Pseudodineura parvula* (Klug, 1816) is recorded for the first time from Slovakia. It was found in the Nature Reserve of Devínska Kobyla hill in south-western Slovakia.

The representatives of the genus *Pseudodinera* Konow, 1885, belong to problematic species because of their difficult identification in the adult stage using morphological characters (Kulfan 2004). The identification of mines (larvae of *Pseudodineura* are leaf miners) on the host plants poses less problems because of their monophagy (Hering 1957). Seven *Pseudodineura* species occur in Central Europe (Liston 1995) and four of them have been found in Slovakia (Roller 1999, 2006, Roller et al. 2006, Kulfan 2004, 2005).

Until now, three species of *Pulsatilla* (*P. vulgaris*, *P. grandis*, and *P. patens*) have been known as the host plants of *Pseudodineura parvula* (Klug, 1816) larvae (Liston 1995). *Pseudodineura parvula* is widely distributed throughout Europe and has been reported from Belgium, Switzerland, Czech Republic, Germany, Austria, Hungary, Croatia, Poland, Romania, Ukraine, and Russia (Liston 1995, Taeger & Blank 2007).

Numerous mines with living larvae were found on 10 leaves of *Pulsatilla pratensis* ssp. *bohemica* on the Devínska Kobyla hill, the southernmost promontory of the Malé Karpaty Mts. in south-western Slovakia, in 2006 and 2007. The exact data are as follows: south-west slope of the Nature reserve of Devínska Kobyla hill near the quarry of Weitov lom (grid code of faunistic mapping 7867), 18.vi.2006, five empty mines on one leaf; 30.iv.2007, 40 mines with larvae on nine leaves, M. Kulfan lgt., det. et coll.

This is the first record of this species from Slovakia. Moreover, the larva of *Pseudodineura parvula* has been found on the leaves of *Pulsatilla pratensis* ssp. *bohemica* for the first time.

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REFERENCES

TAEGER A. & BLANK S.M. 2007: Fauna Europaea: Tenthredinoidea, Fauna Europaea version 1.3, online at http://www.faunaeur.org (as of 12 December 2007).

HERING E. M. 1957: *Bestimmungtabellen der Blattminen von Europa, I-III*. W. Junk Verlag, S' Gravenhage, 1185 pp.

KULFAN M. 2004: First record of Pseudodineura mentiens (Thomson, 1871) (Symphyta, Hymenoptera) from Slovakia. *Biologia* (Bratislava), 59: 558.
KULFAN M. 2005: First record of Pseudodineura enslini (Symphyta, Hymenoptera) from Slovakia. *Biologia* (Bratislava), 60: 538.
LISTON A. D. 1995: *Compendium of European Sawflies*. Chalastos Forestry, Gottfrieding, 190 pp.
ROLLER L. 1999: Check-list of the sawflies (Hymenoptera, Symphyta) of Slovakia. *Entomological Problems*, 30: 37-48.
ROLLER L. 2006: Seasonal flight activity of sawflies (Hymenoptera, Symphyta) in submontane region of the Western Carpathians, Central Slovakia. *Biologia* (Bratislava), 61: 193-205.
ROLLER L., BENEŠ K., BLANK S. M., HOLUŠA J., JANSEN E., JÄNICKE M., KALUZA S., KEHL A., KEHR I., KRAUS M., LISTON A. D., NYMAN T., NIE H., SAVINA H., TAEGER A. & WEI M. 2006: Contribution to the knowledge of sawfly fauna (Hymenotera, Symphyta) of the Low Tatras National Park in Central Slovakia. *Naturae Tutela* (Liptovský Mikuláš), 10: 57-72.

SÚHRN

V rámci faunistického výskumu listových mínovačov z radu hmyzu na území Národnej prírodnej rezervácie Devínska Kobyla (juhozápadné Slovensko) v blízkom okolí Weitovho lomu sme našli v rokoch 2006 a 2007 spolu 45 mín bylinnej osy *Pseudodineura parvula* (Klug, 1816) na desiatich listoch ponikleca lúčneho českého (*Pulsatilla pratensis* ssp. *bohemica*). *Pseudodineura parvula* je relatívne dosť rozšírený druh v Európe a uvádza sa z Belgicka, Švajčiarska, Českej republiky, Nemecka, Rakúska, Maďarska, Chorvátska, Poľska, Rumunska, Ukrajiny a Ruska (Liston 1995; Taeger & Blank 2007). Je novým druhom pre faunu Slovenska. Po prvýkrát sa larválne štádium *P. parvula* zistilo na listoch ponikleca lúčneho českého (Liston 1995).