

## First record of *Hydraena schuleri* Ganglbauer, 1901 (Coleoptera: Hydraenidae) in Hungary

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**ABSTRACT:** *Hydraena schuleri* Ganglbauer, 1901 is recorded for the first time from Hungary (Mátra Mountains and the Pilis Mountains).

The Hydraenidae fauna of Hungary is poorly known compared with other aquatic macroinvertebrate. So far, 37 species are known to occur in Hungary (CSABAI & SZÉL 1998).

During the examination of the Hydraenidae collection of the Mátra Museum, one female previously published under the name *Hydraena* sp. was now identified as *Hydraena schuleri* Ganglbauer, 1901 (cf. LÓKKÖS & KOVÁCS 2010: [Mátra Mountains] Gyöngyössolymos: Görögöbikki út [street], Hidas-patak [stream], 07.05.2008, Tibor Kovács-Dávid Murányi, 1, female). Subsequently, another specimen of *H. schuleri* was found among unidentified material in the Hungarian National History Museum (Budapest): Pilis Mountains: Leányfalu: Király-völgy [valley], 340 m, UTM grid: CT58, 05.04.1992, leg. Ottó Merkl, 1, female.

*Hydraena schuleri* is so far known from Austria, Croatia, Czech Republic, Germany, northern Italy, Poland, Romania, Slovakia, Slovenia and the Ukraine (HANSEN 1998, JÄCH 2004, JÄCH et al. 2005, PRZEWOŹNY & RUTA 2010). The two specimens listed above represent the first record from Hungary.

*Hydraena schuleri* occurs in different types of flowing water, from the hypocrrenal to the epipotamal. Adults can be collected in gravel and on exposed fine rootlets of shore trees (BOUKAL et al. 2007, JÄCH et al. 2005).

The locality in the Mátra Mountains (N47°52'37.2", E19°57'57.1", 520 m, UTM grid: DU20) is a typical shaded mountain stream. From this area several interesting insect species are known: Odonata – *Cordulegaster bidentata* Sélys, 1843 (KOVÁCS & AMBRUS 2010); Plecoptera – *Brachyptera risi* (Morton, 1896), *B. seticornis* (Klapálek, 1902), *Leuctra dalmoni* Vinçon & Murányi, 2007, *L. digitata* Kempny, 1899 (unpublished data), *L. hippopus* Kempny, 1899, *L. nigra* (Olivier, 1811), *L. prima* Kempny, 1899, *Nemoura cambrica* Stephens, 1836, *N. sciurus* Aubert, 1949, *Perla abdominalis* Burmeister, 1839, *Protonemura aestiva* Kis, 1965 (unpublished data), *P. praecox* (Morton, 1894) (KOVÁCS 2006, 2009, KOVÁCS & MURÁNYI 2008); Coleoptera – *Limnius volckmari* (Panzer, 1793) (KOVÁCS & KÖDÖBÖC 2005); *Hydraena belgica* d'Orchymont, 1930, *H. gracilis* Germar, 1824, *H. morio* Kiesenwetter, 1894, *H. riparia* Kugelann, 1794, *H. saga* d'Orchymont, 1930 (LÓKKÖS & KOVÁCS 2010).

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