

**First record of *Wiedemannia (Chamaedipsia) mikiana* (Diptera: Empididae)
from Slovakia**

**Prvý nález druhu *Wiedemannia (Chamaedipsia) mikiana* (Diptera: Empididae)
na Slovensku**

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Abstract. This paper presents the first record of *Wiedemannia (Chamaedipsia) mikiana* (Bezzi, 1899) (Diptera: Empididae) from Slovakia. This brings the empidid fauna of Slovakia to 277 species.

INTRODUCTION

The superfamily Empidoidea was divided by Chvála (1983) to families Dolichopodidae, Empididae, Hybotidae, Atelestidae and Microphoridae. The family Empididae includes very diverse species – small, predatory aquatic forms (Clinocerinae, Hemerodromiinae) and larger species (Empidinae), both predatory and nectar-feeding. The mouthparts, wing venation and especially the structure of the male genitalia are the most important diagnostic features (Chvála 1983, Collins & Wiegmann 2002). Altogether 816 species of the family Empididae are known to occur in Europe (Chvála 2011), 276 of which occur in Slovakia. Faunistic data for the Slovakian Empididae are summarized in the Checklist of Diptera of the Czech Republic and Slovakia (Chvála 2009). However, it should be noted that Empididae, especially aquatic forms, are poorly studied in Slovakia.

MATERIAL AND METHODS

The sampling was carried out in the immediate vicinity of the Studený potok brook, West Tatra Mts. The sweeping method was used, samples were stored in 75% ethanol in polyethylene eppendorf vials. Geomorphological units and grid mapping codes of the Databank of the Slovak fauna (DFS) are cited following Lučivianská (1989). Nomenclature is based on Chvála & Wagner (1989).

RESULTS AND DISCUSSION

Family: Empididae

Subfamily: Clinocerinae

Wiedemannia (Chamaedipsia) mikiana (Bezzi, 1899)

Material examined. Slovakia, West Tatra Mts., Roháčska dolina valley, Studený potok brook, 49°15'18.0"N 19°41'4.49"E, 950 m a.s.l., 6784 DFS, 18.x.2012, sweeping, 1 ♂, M. Novíkmec & J. Oboňa leg., B. Horvat det.

Distribution. Central European species, recorded from Austria, Germany, Hungary, Italy, Poland and Slovenia (Chvála 2011). First record for Slovakia.

Slovakia is very diverse country. High mountains, lowlands and various types of aquatic biotopes are present in a relatively small area. Therefore it is highly likely that many more species of Empididae, especially aquatic forms (Clinocerinae, Hemerodromiinae) are present in Slovakia. Undoubtedly, much less attention has been devoted to aquatic empidids than to nectar-feeding species (Empidinae).

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SÚHRN

Wiedemannia (Chamaedipsia) mikiana (Bezzi, 1899) (Diptera: Empididae) je po prvýkrát potvrdená z územia Slovenska. Rozšírenie druhu ako aj potreba podrobnejšieho výskumu na Slovensku sú v krátkosti diskutované.