



***Sugaentulus andrzeji* sp. nov. from Siberia, Russia (Protura: Acerentomidae: Acerentominae) and key to Acerentominae genera**

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Abstract

Sugaentulus andrzeji sp. nov. is described from Siberia. The new species is characterized by the peculiar shape of maxillary gland and striate band and leaf-like sensilla on maxillary palps. The related *S. masumii* differs from the new species by the broader calyx with distinct extra appendix and slender sensilla on maxillary palps. Postembryonic development of chaetotaxy and porotaxy also is described.

Key words: Acerentomidae, chaetotaxy, key, porotaxy

Introduction

A new species of Acerentomidae (subfamily Acerentominae), *Sugaentulus andrzeji*, was discovered in a rich collection of Siberian Protura. This new species is closely related to a Chinese species, *S. masumii* Imadaté. Investigation of the porotaxy of *S. andrzeji* also revealed the presence of pores between the thoracic anapleurite and catapleurite (nomenclature according to Rusek, 1974b) near the thoracic legs and close to the base of abdominal legs I. The purpose of this paper is to describe the new species, provide additional information on proturan porotaxy, and present an updated key to the genera of Acerentominae.

Type specimens are deposited in the State Museum of Natural History of the Ukrainian National Academy of Sciences, L'viv (SMNH); in the collection of M. Potapov, Moscow, Russia; in the Institute of Systematics and Evolution of Animals of the Polish Academy of Sciences, Kraków, Poland (ISEA); and in J. Rusek's collection, Institute of Soil Biology BC ASCR, Č. Budějovice, Czech Republic.

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(Figs. 1–33; Tables 1, 2).

Material examined. Holotype female (nr 19.7b) from a moss sample collected in peat in a mixed forest near Turukhansk, 65°48' N 88°00' E, Evenkia, Krasnoyarskiy Krai, Siberia, Russia, 8.VIII.2003, coll. A. Babenko. Paratypes (nr 19.1–19.16) 14 females, 15 males, 5 praeimagoes, 5 maturi juniores, 5 larvae II and 1 larva I collected in a birch forest with dense herbaceous cover, litter and soil on a river terrace near the type locality on same data as the holotype. Paratypes (nr 6580–6584, 6595–6602): 2 females, 5 males, 1 matus junior, 2 larvae II and 3 larvae I from litter and soil sample from a mountain forest with *Pinus sibirica* and *Abies sibirica*, 500–600 m elev., on the northern bank of the lake Teletskoe Ozero, 7 km north-eastern from Artybash, 51°48'N 87°22'E, 10. IX. 1988, coll. S.K. Stebaeva and W.M. Weiner. Two female paratypes (nr 19.17), collected in a litter sample from a pine forest with bilberry (*Vaccinium myrtillus*), 15 km west of Tomsk, 56° 01'N 84° 04'E, in Timiryazyevskoye Forestry, 23.VIII. 1984, coll. N. Kuznetsova.