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## **A new species of gall midges of the genus *Pterepidosis* MAMAEV from Bulgaria (Insecta: Diptera: Cecidomyiidae: Porricondylinae)**

With 3 Figures

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**Abstract:** *Pterepidosis varimezovi* spec. nov., besides *P. apicalis* MAMAEV the second species of the genus known from Bulgaria, is described as new for science.

### Introduction

The genus *Pterepidosis* was described by MAMAEV (1990) with the type of genus *P. apicalis* MAMAEV collected in Russia. This genus is similar to *Neosynepidosis* PARNELL, 1971 distributed in North America. It differs in the following major characters: eye bridge narrow, 3–5 ommatidia broad; removed on anterior part of the head; wings much longer than body, narrow basally,  $M_{1+2}$  absent; halteri elongated, about 0.5 times as long as hind femur; stem of flagellar segments of male 1.5–2.0 times as long as basal enlargement; basal setae in single whorl.

The second species of this genus was collected in Bulgaria.

### ***Pterepidosis varimezovi* spec. nov. (Figs. A + C)**

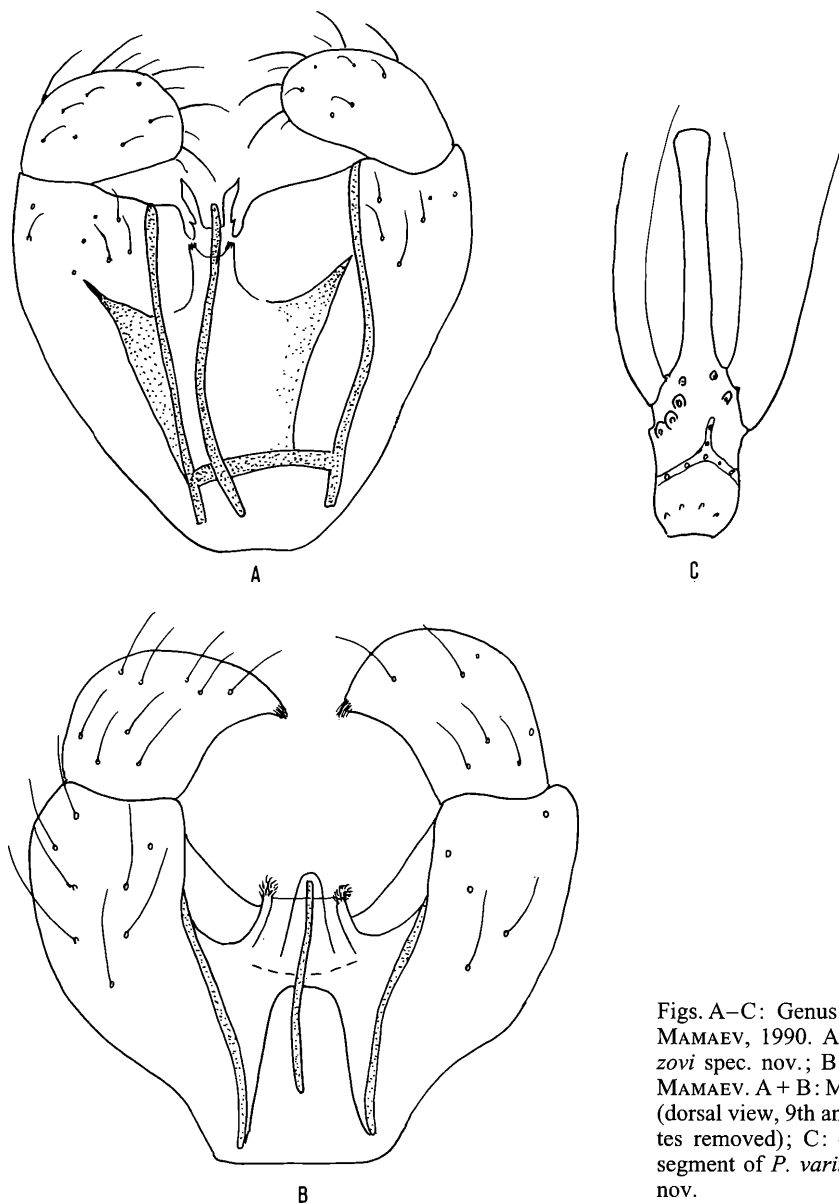
**Male:** Body length 2.0 mm. Thorax dorsal with three dark stripes. Eye bridge on anterior part of the head, 3–4 facets wide medially. Palpi with 4 segments; a little shorter than height of head; first segment shortest, second 1.7, third 2.4, fourth 2.7 times as long as first. Antenna: basal enlargement of 5th flagellar segment 1.8 times as long as broad; the stem is 1.5 times as long as basal enlargement; ring-shaped sensoria on all flagellar segment, with little wind and short lateral extension projecting distally. Legs: first tibia longer, middle and hind tibia shorter than corresponding femur; 1st tarsal segment with sharply pointed projection distally; claw simple; empodium very short. Wings: quite large, about 1.6 times longer than body, with long narrow basal part;  $R_5$  meets costa beyond the tip of the wing; Cu distinct,  $M_{3+4}$  very weak; Cu free from  $M_{3+4}$ ; C interrupted where it meets  $R_5$ ; halteri long, more than 0.5 times as long as hind femur.

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Figs. A–C: Genus *Pterepidosia* MAMAEV, 1990. A: *P. varimezovi* spec. nov.; B: *P. apicalis* MAMAEV. A + B: Male genitalia (dorsal view, 9th and 10th tergites removed); C: 4th antennal segment of *P. varimezovi* spec. nov.

Genitalia: Gonocoxites large, broadly rounded, united ventrally; gonostyles thick, rounded; 9th tergite shorter than gonocoxite, with distinct distal margin, a little groove medially and with two rounded lobes; tegmen with a pair of sclerotized hooks; root of gonocoxite long; transverse bridge distinct; 10th sternite with a pair of long, wide projections; genital rod long, sclerotized, with two groups of spines on the both sides.

Holotype: ♂, Bulgaria, Vitosha mountain, near Sofia, above v. Dragalevtzi, 1600 m a.s.l., 24. 09. 1989. Forest of *Pinus silvestris* L. with shrubage of raspberry and juniper, near a stream. The specimen was collected by sweeping and was mounted in canada balsam. Holotype is kept in the collection of the Institute of Zoology (Bulgaria, Sofia).

Remarks: *Pterepidosis varimezovi* spec. nov. (Figs. A + C) differs from *P. apicalis* MAM. (Fig. B) in the following characters: gonostyles of male genitalia rounded apically, tegmen with a pair of hooks; 10th sternite with two projections; transverse bridge distinct.

Etymology: The species is named in honour of Mr. DIMITAR D. VARIMEZOV who helped us very much in collecting of gall midges.

#### References

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