

Mecomma lodosi n. sp. from Turkey **(Heteroptera: Miridae)**

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Summary

A new species of **Mecomma** Fieber (Heteroptera: Miridae) is described and figured. The description is based on the males which collected on Zigana Mountain (Trabzon) on **Urtica** sp. The holotype and paratypes are deposited in the University of Ege, Faculty of Agriculture, Department of Entomology and Agricultural Zoology, Izmir, Turkey.

Introduction

During faunistic studies in the northern Turkey in August 1978 I found a new species of **Mecomma** on **Urtica** sp. in the damp forest of Zigana Mountain (Trabzon) which is typical habitat of **Mecomma** spp. (Carvalho and Southwood, 1955).

The following description is based on 11 male specimens. The female is not known.

Mecomma Fieber

Fieber, 1858. Wien. Ent. Monat. 2: 313. Type-species, **Capsus ambulans** Fallén, 1807: 104.

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Mecomma lodosi n. sp. (Fig. 1, 2 a-b).

Male (Fig. 1).

Coloration :

Head black with a yellow triangular patche by the eyes; eyes reddish black; antennae: first, second and fourth segments entirely black, third black with a yellow part at the base; pronotum and scutellum entirely black; inner parts of clavus, commissure, distal part of corium and apex of cuneus blackish, remaining areas of hemelytra yellowish, membrane smooky, veins brown; femorae and tibiae yellow, first tarsal segment light brown, second yellow and third blackish brown; sternum blackish brown; first rostral segment yellowish brown; second and third and base of fourth yellow, its apex black.

Measurements (in mm):

Length, 5.18, width, 1.56; head: width across eyes, 0.84, width of vertex, 0.40, length, 0.36, diameter of an eye, 0.22; antennae: length and (thickness), I, 0.62(0.085), II, 1.93(0.059), III, 1.82(0.034), IV, 0.58(0.034); length of rostrum, 1.57; pronotum: width, 0.54 and 1.12 at the base and apex respectively, length, 0.61; hemelytra: length, 4.33, width, 1.56; cuneus: length, 1.12, width at the base, 0.42.

Structure:

Macropterous. Lateral sides of body almost parallel, body uniformly covered by the light hairs. Vertex 1.7 times larger than the diameter of an eye. Relative lengths of the respective antennal segments I, II, III, IV: 1.0, 3.1, 2.9, 0.9. First antennal segment with a long and short setae and also covered some hairs shorter than width of segment; length of the hairs on the second segment equal to the diameter of this segment; third and fourth densely pubescent with hairs longer than width of segment. Pronotum trapezoid in shape, lateral sides straight, callous less prominent, proximal corners more prominent outwardly. Mesoscutum distinct. Hemelytra highly surpassing the end of abdomen. Rostrum reaching about middle of hind coxae. Legs covered with yellow hairs, tibiae also with yellow spines. Right and left parameres as shown Fig. 2 a,b.

Female: Unknown.

Holotype, ♂, Turkey: Trabzon (Zigana Mountain), 1700 m on *Urtica* sp., 8.VIII.1978 (F. Önder), in the collection of Department of Entomology and Agricultural Zoology, University of Ege, Faculty of Agriculture, Izmir, Turkey.

Paratypes 10 ♂♂, same data as holotype, deposited in the same institution.

It is a pleasure to name this new species after Prof. Dr. N. Lodos a well known entomologist of Turkey.

M. lodosi n. sp. runs to **M. antennata** V.-D. in the key given by Önder (1974), but differs from it in the following characters:

Characters	M. lodosi	M. antennata
1. Zoogeographic distribution	Turkey (Palearctic)	California (U.S.A.) (Nearctic)
2. Size	5.18 mm	4.50 mm
3. Cuneal length/Cuneal width at base	2.6	2.0
4. Relatif lengths of the respective antennal seg- ments	1.0;3.1;2.9;0.9	1.0;5.0;4.6;1.0

Özet

Türkiye'den yeni bir Miridae (Heteroptera) türü,

Mecomma lodosi n. sp.

Bu çalışmada, Zigana Dağ'larının (Trabzon) ormanlık ve nemli habitatlarında **Urtica** sp. üzerinden toplanan **Mecomma lodosi** n. sp.'nin orijinal deskripsiyonu verilmektedir. 1 Holotype ve 10 paratype'dan oluşan örnekler E.Ü. Ziraat Fakültesi Entomoloji ve Zirai Zooloji Kürsüsü'nde saklanmaktadır.

References

- Carvalho, J.C.M. and T.R.E. Southwood, 1955. Revisao do complexo **Cyrtorhinus** Fieber-**Mecomma** Fieber (Hemiptera: Heteroptera, Miridae). **Bol. Mus. Goeldi**, 11 (1): 7-72.
- Önder, F., 1974. A new species of **Mecomma** Fieber (Heteroptera: Miridae) from Turkey. **J. Ent. (B)**, 43(1): 115-119.

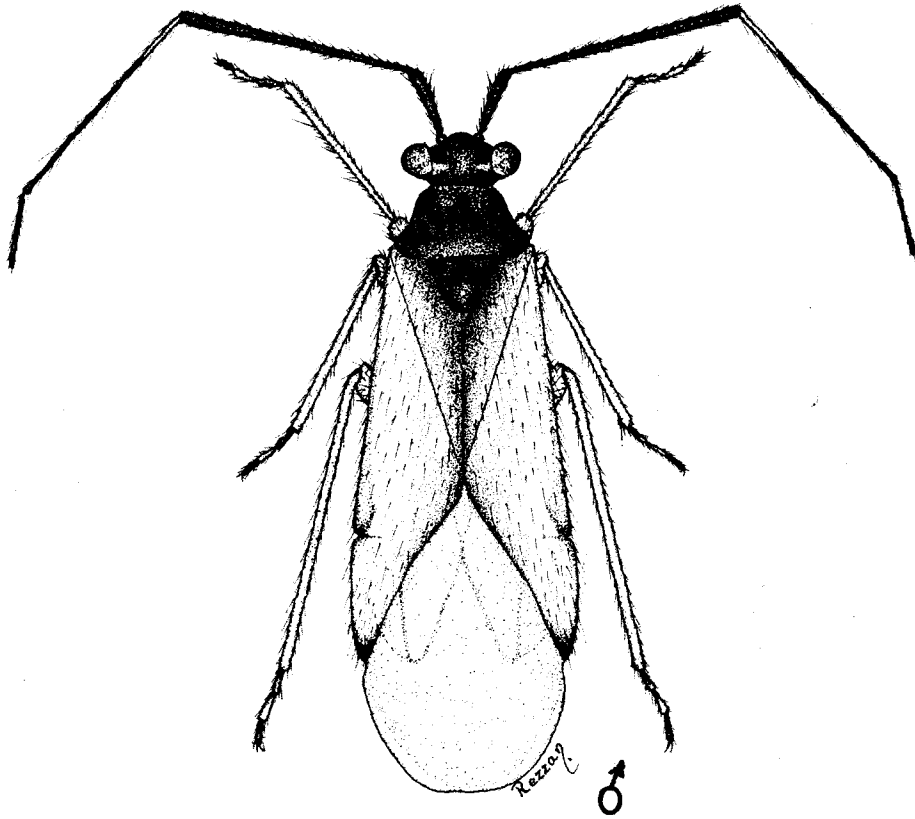


Fig. 1. Dorsal view of *M. lodosi* n. sp.

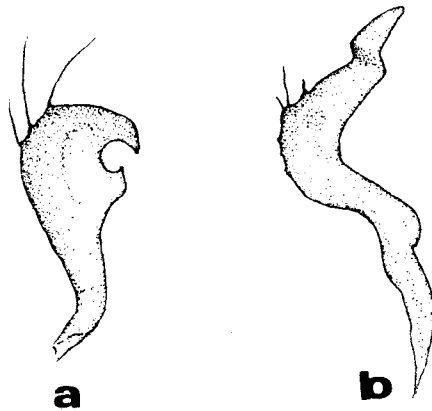


Fig. 2. Right (a) and left (b) paramere of *M. lodosi* n. sp.