

PRETHODNO PRIOPĆENJE

SHORT COMMUNICATION

## **FIRST RECORD OF *Embidopsocus enderleini* (Ribaga, 1905) (Psocoptera: Liposcelididae) FOR CROATIA**

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*Embidopsocus enderleini* (Psocoptera: Liposcelididae) is recorded for the first time for Croatia. It was found in Pula in 1983 under the bark of a plane-tree.

**Psocoptera, Liposcelididae, Embidopsocinae, fauna, Croatia**

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*Embidopsocus enderleini* (Ribaga) (Psocoptera: Liposcelididae) utvrđena je po prvi puta u Hrvatskoj. Nađena je u Puli (Istra) 1983. godine ispod kore drveća platana.

**Psocoptera, Liposcelididae, Embidopsocinae, fauna, Hrvatska**

The genus *Embidopsocus* Hagen, 1866 (Embidopsocinae) contains 37 species worldwide (Lienhard & Smithers 2002), but only two species, *Embidopsocus enderleini* (Ribaga, 1905) and *Embidopsocus minor* (Pearman, 1931), have been recorded from the Euro-Mediterranean region (Lienhard, 1998). So far no species record from this genus has been known from Croatia. On the other hand, the closely related genus *Liposcelis* from the same family (Liposcelididae, Liposcelinae) is represented in Croatian fauna by 14 species (Kalinović & Ivezić, 1997).

*Embidopsocus enderleini* is a small psocid of the Liposcelididae family, member of the subfamily Embidopsocinae, which is most diversified in the South American-African region (Lienhard & Smithers 2002). The size of females is

about  $\geq 1.5$  mm and males  $\geq 1.2$  mm. The basic body coloration is brown, but wingless individuals are clearer. Females are fully winged or wingless and males



Figure 1. *Embidopsocus enderleini*, overall appearance of a male

Slika 1. Mužjak vrste  
*Embidopsocus enderleini*

are always wingless. Compound eyes are reduced in wingless males and females, consisting of 2 ommatidia; winged females have well developed compound eyes and ocelli are present (detailed description in Günter, 1974; Lienhard, 1998). The most important diagnostic characteristic for distinguishing *E. enderleini* from *E. minor* are the shapes of the spermapore and the internal sclerit of the phallosome (Lienhard, 1998). The world distribution of *E. enderleini* has been confirmed from Austria, Belgium, France, Great Britain, Italy, Madeira (Lienhard, 1998), Netherlands (Noordijk & Berg, 2002), Argentina, and South Africa (Lienhard and Smithers, 2002). The species lives under the bark of trees or shrubs (*Eucalyptus*, *Platanus*, *Ulmus*, *Rose*, etc.) (Günter, 1874; Lienhard, 1998). It was also once found in domestic conditions (in beetles breeding) (Lienhard, 1998).

Faunistic data with the specimens deposited in the psocid collection (Psocoptera) of the Crop Research Institute, Prague (Czech Republic) are as follows:

*Embidopsocus enderleini* (Ribaga, 1905). Croatia (former-Yugoslavia): Pula, (region Istra), (20.6.1983, 2 males, Zuzana Kučerová lgt. and det., C. Lienhard (MNH, Geneva) confirm. The specimens were collected under the bark of a plane tree (*Platanus*). This is the first record of the species for Croatia represented by males; females have not yet been found. Fig. 1 documents the overall appearance of a male and Fig. 2 the phallosome in detail.

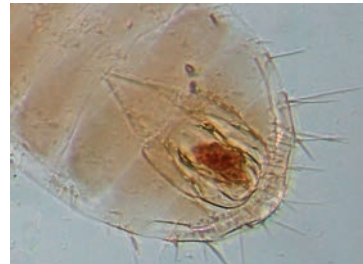


Figure 2. *Embidopsocus enderleini*, the phallosome in detail.

Slika 2. *Embidopsocus enderleini*, detalj muškog spolnog organa

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