

FIRST RECORD OF THE PARASITOID *PNIGALIO SOEMIUS* (WALKER) (HYMENOPTERA: EULOPHIDAE) IN GREECE. N. E. Papanikolaou¹, N. G. Kavallieratos², D. C. Kontodimas², and Ž. Tomanović³. ¹Biodiversity Conservation Laboratory, Department of Environmental Studies, Aegean University, 81100 Mytilene, Greece; ²Laboratory of Agricultural Entomology, Department of Entomology and Agricultural Zoology, Benaki Phytopathological Institute, 14561 Kifissia, Attica, Greece; and ³Institute of Zoology, Faculty of Biology, University of Belgrade, 11000 Belgrade, Serbia

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The eulophid parasitoid species that have been recorded in Greece as natural enemies of *Phyllocnistis citrella* Stainton (Lepidoptera: Gracillariidae) are *Neochrysocharis formosa* (Westwood) (Anagnou-Veroniki et al., 2002), *Pnigalio pectinicornis* (Linnaeus) (Anagnou-Veroniki et al., 2002), *Citrostichus phyllocnistoides* (Narayanam) (Michelakis, 1997; Anagnou-Veroniki et al., 2002;), *Semielacher petiolatus* (Girault) (Michelakis, 1997; Anagnou-Veroniki et al., 2002) and *Ageniaspis citrocola* (Michelakis, 1997).

In July of 2005, *Pnigalio soemius* (Walker) (= *Pnigalio flavipes*, = *Eulophus flavipes*, = *Pnigalio punctiscuta*) (Hymenoptera: Eulophidae) (Fig. 1) was found in Attica (Central Greece) parasitizing the third and fourth instars of *P. citrella* larvae on *Citrus sinensis* L.

Pnigalio soemius is a polyphagous ectoparasitoid of 89 leaf miner species and larvae of gall makers from several insect orders (Coleoptera, Diptera, Hymenoptera, Lepidoptera) (Noyes, 2002).



Fig. 1. Female adult of *Pnigalio soemius*.

The theoretical lower threshold for development is 30 °C for both males and females, while the optimum developmental temperature and the upper lethal threshold are 28.9 and 35.1 °C, respectively, for males and 28.6 and 34.6 °C, respectively, for females (Bernardo *et al.*, 2006).

Color: Antenna brown, wings hyaline with brown venation, thorax metallic green, metasoma yellow, periphery and apex black, legs light yellow, tarsi dark yellow. Body length: about 1.66 mm.

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