

New records of Diapriinae (Hymenoptera, Diapriidae) for Turkey

Stancho D. PETROV* Ahmet BEYARSLAN**

Summary

In the present study, the distribution of Diapriidae species has been studied. Samples were collected from different localities in Turkey. Results show that *Trichopria crassifemur* Nixon, 1980, *T. myrmecobia* (Kieffer, 1911), *T. longicornis* (Thomson, 1859), *T. bifoveata* Ashmead, 1859, *T. intermis* (Kieffer, 1909), *Coptera inaequalifrons* (Jansson, 1942) are new records for Turkey.

Introduction

Proctotrupoids are known as parasitoids on the larvae and eggs of many harmful Lepidoptera, Coleoptera, Diptera and adult Myriapoda species. They are, indeed, very important group to keep the population of such harmful species under control.

It appears that there has been, so far, only two reports in the literature on the fauna of Diapriinae of Turkey (Johnson, 1992; Kozlov, 1978). Diapriinae parasites in Diptera puparia. The species of *Trichopria* Ashm. are gregarious endoparasitoids, while those of *Coptera* Say are solitary ones. Females of *Trichopria inermis* can overwinter as adults (Nixon, 1980).

* Department of Physiology and Zoology, Agricultural University, 4000 Plovdiv, Bulgaria

** Trakya University, Faculty of Science and Arts, Department of Biology, Edirne, Turkey

Alınış (Received): 08.11.1995

Studies of Kozlov (1978), Nixon (1980), Petrov (1991) and Johnson (1992) have been taken into consideration for geographical distribution of species as well as their identification.

Although genus **Trichopria** Ashm. and genus **Coptera** Say are distributed in all biogeographic regions the latter has not yet been found in the Australian realm. In Palearctic Region, **Trichopria** Ashm. is represented by over 110 species whilst **Coptera** Say is represented by about 20 species. In spite of their specific richness, the genera have been poorly investigated in the Balkan Peninsula.

This study presents some ecological features of species (i.e. their general distribution; localities with altitude and date, and their host species).

Results

Trichopria crassifemur Nixon, 1980,

Material: Edirne, Trakya Üniversitesi Kampüsü, pasture, 45 m, 2.7.1989, 1 male, leg. F. İnanç.

Distribution: England, Sweden and Switzerland.

Trichopria myrmecobia (Kieffer, 1911),

Material: Kırklareli, Vize, Pabuçdere, pasture, 300 m, 7.5.1988, 1 male, leg. F. İnanç.

Distribution: Bulgaria and England

Trichopria longicornis (Thomson, 1859),

Material: Kırklareli, Vize, Kastro, forest, 10 m, 8.5.1988, 1 female, leg. F. İnanç.

Distribution: England and Sweden.

Trichopria bifoveata Ashmead, 1859,

Material: Edirne, Trakya Üniversitesi Kampüsü, pasture, 45 m, 2.7.1989, 1 female, leg. F. İnanç

Distribution: England, Germany and Sweden.

Trichopria intermis (Kieffer, 1909),

Material: Erzurum, Abdurrahmangazi, pasture, 1950 m, 19.7.1990, 1 female, leg. Beyarslan; Balıkesir, Manyas Kuşçenneti, 100 m, 10.5.1991, 1 female, leg. Beyarslan.

Distribution: England, France, Germany, Scotland and Switzerland.

Hosts: *Brachycoma devia* F., *Lucilia sericata* Meig and *Mesembrina meridiana* L. (Diptera, Muscidae).

Coptera inaequalifrons (Jansson, 1942),

Material: Antalya, Elmalı, Öküzgözü, pasture, 1100 m, 16.7.1982, 1 male, leg. Beyarslan.

Distribution: England and Sweden.

Host: *Lonchaea cariecola* Szerny (Diptera, Lonchaeidae) (Nixon, 1980).

Özet

Türkiye faunası için yeni Diapriinae türleri (Hymenoptera, Diapriidae)

Türkiye'nin değişik yörelerinden toplanan materyal değerlendirilmiş ve Diapriinae altfamilyasına ait *Trichopria crassifemur* Nixon, 1980, *T. myrmecobia* (Kieffer, 1911), *T. longicornis* (Thomson, 1859), *T. bifoveata* Ashmead, 1859, *T. intermis* (Kieffer, 1909), *Coptera inaequalifrons* (Jansson, 1942) türleri saptanmıştır. Türlerin tümü Türkiye faunası için ilk kayıt niteliği taşımaktadır. Her bir türün genel yayılışı, lokalitesi, toplanma tarihi, bilinen konukçuları ve toplandığı yükseklik çalışmada verilmiştir.

References

- Johnson, N., 1992. Catalog of world species of Proctotrupeoidea exclusive of Platygasteridae (Hymenoptera). *Mem. Amer. Entomol. Inst.*, **51**: 825 pp.
- Kozlov, M.A., 1978. Superfamily Proctotrupeoidea. Determination of Insects of the European Portion of the USSR. **3** (2): 758 pp.
- Nixon, G.J., 1980. Diapriinae (Hymenoptera, Proctotrupeoidea, Diapriidae). Handbook for the Identification of British Insects. 1-55 pp.
- Petrov, S., 1991. Some new species of subfamily Diapriinae (Hymenoptera, Proctotrupeoidea, Diapriidae) for the fauna of Bulgaria. First National Conference on Entomology, 28-30 Oct. 1991, Sofia, 40-44.