

Fauna of Syrphinae and Milesiinae (Diptera: Syrphidae) in the Region of South-West Anatolia

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ABSTRACT

In this study, specimens of the subfamilies of Syrphinae and Milesiinae collected from the Southwest Anatolian Region in the years of 1992, 1999, 2000 and 2001 were evaluated. Totally 55 species of the two subfamilies (Syrphinae and Milesiinae) were identified and two of them *Ferdinandea cuprea* (Scopoli, 1763) and *Pelecocera tricincta* Meigen, 1822 were determined as first records for the Turkish fauna.

Key words: Syrphidae, fauna, new records, Turkey

INTRODUCTION

This study consists of total of 55 species, 24 of these species belonging to the subfamily Syrphinae and 31 of these species belonging to the subfamily Milesiinae that have been identified in the provinces of Southwest Anatolian Region, Afyon, Antalya, Burdur, Denizli, Isparta, Karaman, Konya, Muğla and Uşak during the field studies in 1992, 1999, 2000 and 2001.

The specimens were caught in the morning with a trap (Malaise), were killed in bottles containing ethyl acetate, and labelled according to standards for handling of museum material and added to the collection. For species identification the following literature was used: Sack (1932), Coe (1953), Séguy (1961), Bańkowska (1963), Dušek and Láska (1976), Hippa (1968a, 1968b, 1978), Vockeroth (1969), Van Der Goot (1981), Stubbs & Falk (1983), Violovich (1983), Torp (1984), Brădescu