

New species of *Synaldis* Foerster and *Idiasta* Foerster, and further records of Turkish Alysiini

(Hymenoptera: Braconidae: Alysiinae)

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Abstract. *Synaldis propeaplicatam* n. sp., *Idiasta rugosipleurum* n. sp. and *Idiasta adanacola* n. sp. are described as new species from Turkey and are compared with the taxonomically closest species. Some further Alysiini new to the fauna of Turkey are discussed. Some morphological details are illustrated.

Key words. *Synaldis*, *Idiasta*, new species, Alysiini, Turkey, Hymenoptera, Braconidae.

Introduction

The subfamily Alysiinae ranks among the largest subfamilies of the Braconidae in terms of the number of species. New species are constantly being found in many countries of the world, and knowledge of the Alysiinae fauna of Turkey is far from being complete. The present paper is an addition to the knowledge of the fauna of this country. The characterisation, including the life history, and the taxonomic definition of the members of the subfamily Alysiinae among the family Braconidae have been given on several occasions, for example by SHAW & HUDDLESTON (1991), VAN ACHTERBERG (1993), BELOKOBYLSKIJ & TOBIAS (1998) and others. The Alysiinae are koinobiont parasitoids of cyclorrhaphous Diptera, involving about 20 families. The very great number of potential hosts and their worldwide distribution may explain the development of an extraordinary number of taxa within the subfamily.

The definitions, ratios and abbreviations follow FISCHER (1971-2004). The following abbreviations are used in the text: F, F1, F2 etc., Fm, Fp = flagellomeres(s), 1st, 2nd, etc., middle, penultimate flagellomeres. Fore wings: st = pterostigma; r1, r2, r3 = the abscissae of the radial vein (r); ccl = 1st cubital cross-vein; nr = recurrent vein; d = discoidal vein, nv = nervulus, np = parallel vein, culb = vein closing B distally below; b = basal vein; R = radial cell, Cu2 = 2nd cubital cell, B = brachial cell. Hind wings: r' = radial vein, cu2' = 2nd abscissa of the cubital vein, nr' = recurrent vein. T1, T2 etc. = 1st, 2nd, etc. metasomal tergite.

The material with the exception of the holotypes is deposited in the collection of the Biology Department of Sciences Faculty in Trakya University (Turkey). Species new to Turkey are marked in the list with an asterisk.