

The Result of *Trichogramma* Species (Hymenoptera, Trichogrammatidae) Study from Moldova Using Extraction Method of Male Genital Apparatus

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ABSTRACT

How the position of male genital apparatus, eggs of different hosts and size of parasitoids influence on form of morphological details were determined. Proceeding from obtained data it is necessary for authors who described new species from the genus *Trichogramma* (Hymenoptera, Trichogrammatidae) to revise its description with exact indication of drawing position. From total preparation of male imago is difficult to place a precise position to solve that problem so the extraction method of male genital apparatus was used.

Key words: *Trichogramma*, Hymenoptera, species revision, genitals, males, Moldova

INTRODUCTION

The species of *Trichogramma* genus are exceptional egg-parasitoids of insects, mass reared at the bio-factories and used against destructive lepidopters in fields and orchards. In many countries of the world its biology, ecology and method of use in biological control of pests was studied.

The genus *Trichogramma* includes 143 valid names of species (Sorokina, 1993). The use of male genital apparatus for species identification (Nagarkatti, Nagaraja, 1971; Viggiani, 1984) has a great influence in the description of many new species in the world. Earlier papers on the investigation of the influence of the main factors, as the low temperature diapauses, eggs of different host species upon male morphological changes (Pintureau, Daumal, 1995; Sorokina, 1989) have been published.