Chalcid Wasps (Hymenoptera: Chalcidoidea) from the Collection of Dr. L. Vassileva-Samnalieva at the Institute of Zoology, Bulgarian Academy of Sciences

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Abstract: The chalcid species from the collection of Dr. L. Vassileva-Samnalieva were studied. The most specimens are reared from Cynipidae (Hymenoptera) galls on Quercus and Rosa, as well as from Cecidomyiidae (Diptera) developing in Papaver. As a result, 29 species from 7 families (Chalcididae, Eurytomidae, Torymidae, Ormyridae, Perilampidae, Eupelmidae and Eulophidae) were established. Six chalcids (Pseudotorymus papaveris, Torymus armatus, Torymus auratus, Ormyrus wachtli, Perilampus ruficornis and Eupelmis cerris) are published here for the first time to the fauna of Bulgaria. For 16 chalcids new hosts are given, which are not mentioned yet in the literature.

Key words: Chalcidoidea, Cynipidae, Cecidomyiidae, host, Bulgaria

Introduction

Dr. Liljana Vassileva-Samnalieva (1939-1992) is known through her papers on Cynipidae (Hymenoptera). Species composition, distribution, trophic connection, phenology and biology of gall-makers and inquilines from subfamily Cynipinae were of her special interest. Along with cynipids, she reared from various galls a great number of parasitoids mainly from Chalcidoidea. VASSILEVA-SAMNALIEVA (1974, 1985, 1987, 1990) published data only on 9 parasitoids, emerged from galls on oak and rose: Eurytoma brunniventris Ratz. (Eurytomidae), Megastigma dorsalis (FABR.), Megastigmus stigmatizans (FABR.), Torymus auratus (MÜLL.), Torymus bedeguaris (LINN.), Torymus cingulatus NÉEES, Glyphomerus stigma (FABR.) (Torymidae), Ormyrus nitidulus (FABR.) (Ormyridae) and Mesopolobus sericeus (FÖRST.) (Pteromalidae).

The great number of reared parasitoids and the possibility for improving the knowledge of the ranges of their hosts impelled the author to approach the study of Dr. Vassileva-Samnalieva’s collection.

Material

The biological material (galls, flower heads, etc.) was collected between 1967 and 1986 from the entire territory of Bulgaria in 51 localities with altitudes varying from 5 to 950 m, mainly by Dr. Vassileva-Samnalieva.

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