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A Study on the Chalcidoid (Hymenoptera: Chalcidoidea) Parasitoids of Leafminers (Diptera: Agromyzidae) in Ankara Province

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Abstract: The objective of this study was to determine parasitoids attacking leafminers (Agromyzidae: Diptera) in Ankara province. Seven parasitoids species belonging to the Eulophidae (Chalcidoidea) were found. These species were Diglyphus isaeae (Walker), D. chabrias (Walker), Neochyrsocharis formosa (Westwood), N. arvensis Graham, Pediobius acantha (Walker), Chyrsocharis sp. and Hemiptarsenus sp. Of these, D. isaeae, N. formosa and N. arvensis were found to be the most common parasitoids of leafminers. Liriomyza trifolii (Burgess), Chromatomyia horticola (Goureau) and Phytomyza lappae Goureau putatively appeared to be the host species. However, parasitoids were only reared from the first two species. The last species from which no parasitoid was reared is a new record for Turkish fauna.

Key Words: Parasitoid, Chalcidoidea, Hymenoptera, Leafminer, Diptera

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