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Parasitoids of Leafminers (Diptera: Agromyzidae) from Southeast Turkey with 3 New Records

Emine ÇIKMAN¹, Ahmet BEYARSLAN², Hasan Sungur CİVELEK³

¹Harran University, Agriculture Faculty, Plant Protection Department, 63040 Şanlıurfa - TURKEY

²Trakya University, Faculty of Art and Sciences, Biology Department, Edirne - TURKEY

³Wood Entomology Laboratory, Faculty of Technical Education, Muğla University, 48000 Muğla - TURKEY

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 [Authors](#)



zool@tubitak.gov.tr

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Abstract: This study was carried out in order to determine parasitoid species of the family Agromyzidae (Diptera) in Diyarbakir and Mardin provinces during 2002-2004. Infested leaves with leafminer larvae were collected from both cultivated and non-cultivated plants twice a month. The adult parasitoids were obtained by rearing from infested leaves in the laboratory. Five parasitoid species belonging to the Braconidae (Hymenoptera) were found. These species, *Bracon kirgisorum* Telenga, 1936, *Opius basalis* Fischer, 1958, *O. monilicornis* Fischer, 1962, *O. quasipulvis* Fischer, 1989, *O. exiguus* Wesmael, 1835. *B. kirgisorum*, *O. basalis* and *O. quasipulvis*, were new records for the Turkish fauna. In this study, *B. kirgisorum* and *O. quasipulvis* were recorded for the first time in species of Agromyzidae. Nine parasitoid species belonging to the Eulophidae (Hymenoptera) were found. These species were *Chrysocharis liriomyzae* Delucchi, 1954, *Cirrospilus vittatus* Walker, 1838, *Diglyphus crassinervis* Erdős, 1958, *D. isaea* (Walker, 1838), *D. minoeus* (Walker, 1838), *Hemiptarsenus zilahisebessi* Erdős, 1951, *Neochrysocharis formosa* (Westwood, 1833), *Pediobius metallicus* (Nees, 1834), and *Pnigalio soemius* (Walker, 1839). Two parasitoid species belonging to the Pteromalidae (Hymenoptera) were found. These species were *Cyrtogaster vulgaris* Walker, 1833, and *Sphegigaster brevicornis* (Walker, 1833). In this study, among the species, *D. isaea* was the most predominant parasitoid species found (49.80%).

Key Words: Parasitoid, leafminer, new record, Turkey

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