

Aphid Species (Hemiptera: Aphididae) Determined in Campus Areas of Isparta Province

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Aim of the study: This study was carried out in 2015-2016 in order to determine the Aphids found on the woody plants, shrubs and trees in the campus areas of Süleyman Demirel University in Isparta province in Turkey.

Material and Methods: For this purpose, those were determined through surveys between April and October months of these years. Plant parts washed with Aphid were cut with pruning shears and brought to the laboratory with paper bags. Then, it was taken to 96% alcohol and labeled for preparation. The method of Hille Ris Lambers (1950) was used in Aphid preparation.

Results: 28 Aphid species from Aphididae family and belonging to 14 genres were identified through host plants like *Carlina marianum*, *Capsella bursa pastoris*, *Centaurea solstitialis*, *Cephalaria* sp, *Diplotaxis muralis*, *Euonymus japonica*, *Malus domestica*, *Punica granatum*, *Prunus avium*, *P. dulcis*, *Pinus nigra*, *Rosa canina*, *Rosa* sp., *Rumex obtusifolius*, *Sonchus asper*, *Tragopogon* sp., *Triticum* sp., *Vicia* sp. These Aphid species were recorded as *Aphis craccivora*, *A. fabae*, *A. gossypii*, *A. punicae*, *A. rumicis*, *A. nasturtii*, *Brachycaudus (Appelia) tragopogonis*, *B. (Thuleaphis) amygdalinus*, *B. helichrysi*, *Cinara pinea*, *C. pini*, *Dysaphis devector*, *Hyalopterus pruni*, *H. lactucae*, *Lipaphis erysimi*, *Macrosiphum rosae*, *M. euphorbiae*, *Myzus cerasi*, *M. ornatus*, *M. (Nectarosiphon) persicae*, *Rhopalosiphum maidis*, *R. padi*, *Rhodobium porosum*, *Sitobion avenae*, *S. fragariae*, *Therioaphis (Pterocallidium) trifolii*, *Uroleucon (Uromelan) aeneum* ve *U. cichorii*. Also, *Capsella bursa pastoris* (Brassicaceae), *Euonymus japonica* (Celastraceae) and *Rosa* sp. L. (Rosaceae) were determined as new host records for *A. nasturtii*, *Myzus cerasi* and *Rhodobium porosum* in Turkey, respectively. It is deduced that the results of this regional studies and other current studies may be important for the Turkish Aphid fauna.

Keywords: Aphid, Aphid fauna, Isparta, Turkey.