



University of Zabol  
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**The Thesis Submitted for The Degree of M .Sc  
(in The field of Agricultural Entomology)**

Faunistic study of Aphididae  
(Hemiptera: Aphidoidea) associated with  
herbaceous plants in Sistan

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## Abstrak

Aphidoidea top-class is the main aphid group in North America, Europe, Central Asia and East Asia. Among its families, the family Aphididae is considered one of the most important and big families in the world. Most species of this family are the most important and big families in the world pests of agricultural products, and many have many hosts, including herbaceous plants.

The aphids are an important group of insects that affect the plants by feeding on herbs and cause a lot of economic damage, especially to cereals. Many aphids indirectly damage the transmission of highly dangerous viral pathogen. In this research, the diversity of aphid family aphids (Hemiptera, Aphidoidea) in Sistan region was studied and identified. Most members of this family are brightly coloured to dark and often has a distinctive pair of dorsal end of the corniculi in the body can be fitted. More than 70 species of aphids are known in the world for carriers that are viral diseases, most of them bearing species belonging to the family Aphididae and crop plants pests and component of fruit trees is considered to be fitted. Samples taken during the years 1394-1396 and in the city of Zabul, Nimroz, Hirmand, zahak, hamoon and city bonjar for. Download all samples for direct and non direct form of aphids on a host for the plant if accepted. and 75% ethyl alcohol maintenance and after preparing the slides using the attributes identified morphologically and biometric data. Host plant species Furthermore loaders, forklift in order to help to identify the species of aphids for collecting and identification.

Keyword: Aphid, Aphididae family, fauna, Sistan