

## **Biodiversity of Aphid Species (Homoptera: Aphididae) in Hyderabad District, Sindh, Pakistan**

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**Abstract :** Present study based on biodiversity of aphid in different crops of Hyderabad district and its, surrounding area to observe the biodiversity of aphids, host plant range of the aphids in Hyderabad and their population also infestation and yield loss aphid on different crops. We have surveyed different fields of Hyderabad, Jamshoro, and collected the aphids from various parts of plants, grasses, and herb with the help of camel brush. They have been brought to the laboratory into plastic jars and preserved in Glycerin (Glycerol). As a result, 383 individuals belonging to 3 species were identified. These identified species were *Aphis fabae*, *Myzus persicae*, and *Brevicoryne brassicae*. Out of the 3 habitats the maximum richness, evenness, and diversity were recorded in agriculture crops followed by flowering vegetables and minimum in fodder crops. The most abundant specie is *Myzus persicae*.

**Keywords :** aphid species, biodiversity, Homoptera:Aphididae, Pakistan

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