

## **A Faunistic Comparative Study of Families Hesperidae and Nymphalidae (Lepidoptera: Rhopalocera) of Syrian Arab Republic and Republic of Armenia**

**Authors :** N. Zarikian

**Abstract :** Comparative analysis of the fauna of two families of butterflies (Lepidoptera: Rhopalocera) &ndash; Hesperidae and Nymphalidae were carried out. In general, 122 species of the families are recorded. among these 33 species belong to Hesperidae and 89 to Nymphalidae. The numbers by countries are as follows: 72 species are found in Syria (including 24 Hesperidae and 48 Nymphalidae) and 97 in Armenia (26 and 71 species, respectively). Two species of Hesperidae are reported for Syrian fauna for the first time and one species is newly recorded for Armenia. From the species above mentioned 38 are common both for Syria and Armenia. For estimation of the similarity of faunas studied were used the Jaccard index. By families the index is rather different, consisting for Hesperidae 0.5151 and for Nymphalidae 0.337.

**Keywords :** Armenia, fauna, Hesperidae, Nymphalidae, (Rhopalocera: Lepidoptera), Syria

**Conference Title :** ICBESE 2016 : International Conference on Biological, Ecological and Environmental Sciences, and Engineering

**Conference Location :** London, United Kingdom

**Conference Dates :** August 25-26, 2016