

Poultry Manure-Inhabiting Mite Fauna from Punjab Province, Pakistan

Authors : Muhammad Asif Qayyoom, Bilal Saeed Khan

Abstract : Household poultry, including chickens, turkeys, ducks and geese, are affected by parasitic lice and mites. The dermanyssid mites (Acari: Dermanyssidae) are the most important parasites of poultry because they act as vectors of many pathogens of poultry and workers. Mesostigmatic mite fauna was poorly identified from Pakistan, only one species was reported before in 1971. Surveys were conducted in 2014 - 2015 to investigate the mite fauna from poultry cages in seven locations in Punjab Province, Turkey. A total of seventy-one samples were collected on cardboard and by direct litter collection. Mites were collected directly from the cardboard and 100 g samples of the litter were processed through a Berlese funnel. The collected mites were prepared for identification by using Hoyer's medium. A total of twenty-two species belonging to the Dermanyssidae, Parasitidae, Cheyletidae, Laelapidae, Macrochelidae and Uropodidae were identified with two new species.

Keywords : poultry cages, Acari, mesostigmatic mites, Pakistan

Conference Title : ICZAS 2016 : International Conference on Zoology and Animal Science

Conference Location : Prague, Czechia

Conference Dates : March 30-31, 2016