

A New Genus Longicheles (Acari: Mesostigmata: Macrochelidae) for Pakistan Fauna from Punjab, Pakistan

Authors : Muhammad Asif Qayyoom, Bilal Saeed Khan

Abstract : Macrochelid mites are poorly studied from the planes of Punjab, Pakistan. The study was conducted as a part of PhD thesis research partially funded by the Royal Society of Entomology, UK. The genus Longicheles was first time reported from the Pakistan. Samples were collected on the monthly basis from different districts of Punjab province, Pakistan. The genus Longicheles was frequently found from five districts (Faisalabad, Dera Ghazi Khan, Jhung, Layyah, and Rajanpur) of Punjab province. Taxonomic studies were performed in Acarology Lab., Department of Entomology, University of Agriculture, Faisalabad with slide deposition. Taxonomic work was performed by using Phase contrast microscope and adobe illustrator (drawings) for finishing of picture. The detail descriptions of two (Longicheles mandibularis and Longicheles hortorum) females are given along with diagrams and key.

Keywords : macrochelidae, longicheles, new records, Punjab

Conference Title : ICAEPPS 2016 : International Conference on Agricultural Engineering and Plant Protection Systems

Conference Location : Prague, Czechia

Conference Dates : March 30-31, 2016