

Abstract:

The faunistic survey on prostigmatic mites (Acari: Prostigmata) associated with tamarix trees in Sistan region was carried out during the years ۲۰۱۶-۲۰۱۷. Soil, leaf-litter and plant foliages tamarisk trees from different parts of Sistan were collected and transported to the laboratory. Mites from sample were extracted by Berlese funnels. Collected mites were cleared in Lactophenol and Nesbitt's fluids and mounted in Hoyer's medium on microscopic slides. In this study, ۲۳ specimens from ۷ genera belonging to ۹ families were identified. Among identified specimens, ۴ species(*) are new records for science. The ۱۹ species are new for the Sistan fauna. The families, genera and species are as follows:

Family Raphignathidae Kramer, ۱۸۷۷: *Raphignathus hamooniensis* n. sp.*; *Raphignathus tamaricis* n.sp.*; *Raphignathus* n.sp.*

Family Caligonellidae Grandjean, ۱۹۴۴: *Molothrognathus bahariensis* Ueckermann & Khanjani, ۲۰۰۲; *Molothrognathus mehrnejadi* Liang & Zhang, ۱۹۹۷; *Molothrognathus phytocolus* Meyer & Ueckermann, ۱۹۸۹; *Molothrognathus shirazicus* Khanjani et al., ۲۰۱۶

Family Stigmaeidae Oudemans, ۱۹۳۱: *Estigmaeus nasrinae* Khanjani & Ueckermann, ۲۰۰۲

Family Camerobiidae Southcott, ۱۹۵۷: *Neophyllobius astragalusi* Khanjani & Ueckermann, ۲۰۰۲

Family Anystidae Oudemans, ۱۹۳۶: *Anystis baccharum* L., ۱۷۵۸

Family Cheyletidae Leach, ۱۸۱۵: *Acaropsella kulagini* Rohdendorf, ۱۹۴۰; *Cheletomorpha lepidopteroum* Shaw, ۱۷۹۴; *Acaropsellina sollers* Kuzin, ۱۹۴۰; *Cheyletus malayensis* Kunliffe, ۱۹۶۲; *Cheletomimus congensis* Cunliffe, ۱۹۶۲

Family Erythraeidae Robineau-Desvoidy, ۱۸۲۸: *Erythraeus southcotti* Goldarazena & Zhang, ۱۹۹۸; *Ailothrombium ovatum* Zhang & Xin, ۱۹۹۲; *Bursaustium zabolensis* n. sp.*, ۲۰۱۸; *Abrolophus irannejadi* Saboori & Hajighanbar, ۲۰۰۵; *Nagoricanelia salehi* Kamran & Alatawi, ۲۰۱۵

Family Bdellidae Duges, ۱۸۳۴: *Spinibdella cronini* Baker & balack, ۱۹۴۹

Family Cunaxidae Thor, ۱۹۰۲: *Cunaxa caprealis* Berlese, ۱۸۹۰; *Cunaxa grobleri* Heyer, ۱۹۷۹; *Coleoscrius simplex* Ewing, ۱۹۱۷

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