

## Mites of the family Laelapidae (Acari: Mesostigmata) in Yazd province

### Abstract

The mite family Laelapidae is ecologically diverse, including obligate and facultative parasites of vertebrates, insect paraphages, and free-living predators that inhabit soil-litter habitats and the nests of vertebrates and arthropods. This study is based on a survey of soil-inhabiting Laelapidae that was carried out during 2010-2011 in the Yazd province, Iran. During this study, 15 species from 6 genera and 3 subfamilies were collected and identified. Two of these species are new to science, and two species are considered as new records for the mite fauna of Iran. The species marked with one and two asterisks are new to science and the Iranian fauna, respectively and also all identified species considered as new records for the mite fauna of Yazd province.

- 1-*Cosmolaelaps vacua* (Michael, 1891)
- 2-*C. brevipedestra* (Karg, 1985)
- 3-*Euandrolaelaps karawaievi* (Berlese, 1903)
- 4-*E. sardoa* (Berlese, 1911)\*\*
- 5-*Gaeolaelaps aculeifer* (Canestrini, 1884)
- 6-*G. kargi* (Costa, 1968)
- 7-*G. nolli* (Karg, 1962)
- 8-*G. queenslandicus* (Womersley, 1956)
- 9-*G. asperatus* (Berlese, 1904)
- 10-*G. angusta* (Karg, 1962)
- 11- *Gaeolaelaps linteyini* (Samsinak, 1964)\*\*
- 12-*Gaeolaelaps* sp. nov.\*
- 13-*Androlaelaps* sp. nov.\*
- 14-*Gymnolaelaps myrmophila* (Michael, 1891)
- 15-*G. myrmecophilus* (Berlese, 1892)

All species are deposited in the Acarological collection, College of Agriculture, University of Zabol, Iran.

**Keywords:** Mites (Acari), soil, Laelapidae, Fauna, Yazd province.



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