

**A NEW SPECIES OF *PODAPOLIPUS* (ACARI: PODAPOLIPIDAE), ECTOPARASITE OF *SCHISTOCERCA ALUTACEA* (HARRIS) (ORTHOPTERA: ACRIDIDAE), FROM FLORIDA, U.S.A.**

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**ABSTRACT** - *Podapolipus klompeni* n. sp. is a podapolipid mite which parasitizes *Schistocerca alutacea* (Harris) (Orthoptera: Acrididae) in Florida, U.S.A. The closest relative of this species is *Podapolipus elongatus* Naudo, 1967 found in Madagascar and South Africa. *Podapolipus klompeni* is the first record of the elongatus type of *Podapolipus* in the western hemisphere. The new species is compared with *P. elongatus* and podapolipid mites with females having elongate or laterally expanded idiosoma in the genera *Podapolipus* and *Podapolipoides*, all of which are found in the eastern hemisphere.

**Key words** - Acari, Podapolipidae, Acrididae, grasshopper, parasitic mite, new species, U.S.A.

Abstract # 4

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