



A world revision of the Pycnostigminae (Cynipoidea: Figitidae) with descriptions of seven new species

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Abstract

Pycnostigmus rostratus Cameron, 1905, is redescribed and four new species of *Pycnostigmus* are described: *P. mastersonae* Buffington & van Noort, **new species**; *P. incognito* Buffington & van Noort, **new species**; *P. fossilensis* Buffington & van Noort, **new species**; and *P. hoerikwaggoensis* Buffington & van Noort, **new species**. *Pycnostigmus mastersonae* is the only known species of Cynipoidea with a metallic sheen on the head and mesosoma. A redescription of *Tylosema nigerrimum* Kieffer, 1905, is provided as well as the description of two new species: *Tylosema dayae* Buffington & van Noort, **new species** and *Tylosema ronquisti* Buffington & van Noort, **new species**. The discovery of two new species of *Tylosema* in South Africa is noteworthy since the only previously known species, *T. nigerrimum* Kieffer, is from Algeria. A redescription of *Trjapitziniola popovi* (Belizin 1951) is provided as well as the description of one new species: *Trjapitziniola vanharteni* Buffington & van Noort, **new species**. *Trjapitziniola vanharteni* was collected in the United Emirates Republic, which extends the distribution of *Trjapitziniola* well into the Arabian Peninsula. An online key to World species of Pycnostigminae and images are available at www.waspweb.org/Cynipoidea/Figitidae/Pycnostigminae/index.htm, and images of all species contained within this paper are available from <http://morphbank.net>.