



New records and new species of Magelonidae (Polychaeta) from the Arabian Peninsula, with a re-description of *Magelona pacifica* and a discussion on the magelonid buccal region

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Abstract

Five *Magelona* species, *M. cornuta*, *M. crenulifrons*, *M. obockensis*, *M. pulchella*, and an undescribed species (identified by Louis Amoureux as *M. cornuta* in 1983 and described herein as *M. montera* **sp. nov.**) have been previously reported from the seas surrounding the Arabian Peninsula. The present study details a further six *Magelona* species off the coasts of Iran and Qatar, collected between 1998 and 2007. Five species are newly recorded for the region: *Magelona* cf. *agoensis*, *Magelona* cf. *cincta*, *M. conversa*, *Magelona* cf. *falcifera* and *M. symmetrica*, and one species (*M. sinbadi* **sp. nov.**) is deemed new to science. A key is provided for the 15 species with verified reports currently known from the western Indian Ocean region. *Magelona pacifica* originally described from Panamá is discussed and re-described due to its similarity to *M. montera* **sp. nov.** A 'buccal organ/tube' in addition to an everted proboscis was observed in one specimen (*Magelona* cf. *agoensis*) and is herein described and discussed in relation to previous morphological studies.

Key words: Buccal organ, Iran, *Magelona montera* **sp. nov.**, *Magelona sinbadi* **sp. nov.**, Qatar, Key, Western Indian Ocean