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***Armadillidium amrishi* sp. nov., and the first record of *Armadillidium vulgare* (Latreille,1804) (Isopoda: Oniscidea), from Tabriz – El Goli Park (Shah Goli), in East Azerbaijan Province, Iran**

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Makhan, D. (2016). *Armadillidium amrishi* sp. nov., and the first record of *Armadillidium vulgare* (Latreille,1804), (Isopoda: Oniscidea), from Tabriz – El Goli Park (Shah Goli), in East Azerbaijan Province, Iran. *Calodema*, 427: 1-6.

Abstract: A new species, *Armadillidium amrishi* sp. nov. is described and the first record of *Armadillidium vulgare* (Latreille,1804) (Isopoda: Oniscidea) provided from Tabriz – El Goli Park (Shah Goli), in East Azerbaijan Province, Iran.

Key words: Isopoda, Oniscidea, *Armadillidium*, new species, new record, Iran.

Introduction

There are two species of the genus *Armadillidium* Brandt, 1833 (Isopoda: Oniscidea) in Iran. These are *A. evansi* Omer-Cooper, 1923 from Iraq, which was also recorded in Iran from Baluchistan, Kermanshah, Khuzestan, Shiraz and *A. obsoletus* Budde-Lund, 1885 from Syria, which was recorded also in Iran from Mazandaran. In the present paper, *Armadillidium vulgare* (Latreille,1804) is newly recorded for East Azerbaijan Province, Tabriz – El Goli Park (Shah Goli), Iran and a new *Armadillidium* species is described as *Armadillidium amrishi* sp. nov. These were all collected in East Azerbaijan Province, Tabriz – El Goli Park (Shah Goli). Both species were discovered under large stones by F.M. Saeizad.

The specimens are deposited in the author's collection.

New record

***Armadillidium vulgare* (Latreille, 1804) (Figs. 1-3)**

Material: Iran, East Azerbaijan Province, Tabriz – El Goli Park (Shah Goli), 11.9.2015, coll. F.M. Saeizad. 10 specimens.

Comments: Species is known from the province of Qazvin, Iran.

Taxonomic description

***Armadillidium amrishi* Makhan, sp. nov. (Figs. 4-12)**

Types: Holotype: Male, Iran, East Azerbaijan Province, Tabriz – El Goli Park (Shah Goli), 11.9.2015, coll. F.M. Saeizad. Paratypes: 20 specimens (same data as holotype).

Holotype description: Male. Length 8.7 mm, width 3.8 mm. Dorsal with fine granules and fine punctures. Head brownish-grey, with large light-brown spots, length 1.1 mm, width 0.2 mm. Antennae brown, long, reaching the first pereon-tergite, flagellum with two articles, last segment longer than the under one and on apex with setae. Pereon-tergites brownish-grey, with groups of light streaks and the edges light-brown. Pleon brownish-grey and edges light-brown. Telson brownish-grey and with rounded apex. Right pereopod 7 (Fig. 9), caudal view, ischium with large spines. Apex of pleopod-endopodite 1 is scissor-shaped (Fig. 12).



Fig. 1. *Armadillidium vulgare* (Latreille,1804), habitus, male, dorsal view (1 square = 1.0 mm).

Fig. 2. *Armadillidium vulgare* (Latreille,1804), male, head and pereion-tergite 1, frontal view (not to scale).



Fig. 3. *Armadillidium vulgare* (Latreille,1804), male, Pleopod-exopodite 1, dorsal view (scale line = 1.0 mm).

Fig. 4. *Armadillidium amrishi* Makhan, sp. nov., habitus, holotype male, dorsal view (total length = 8.7 mm).

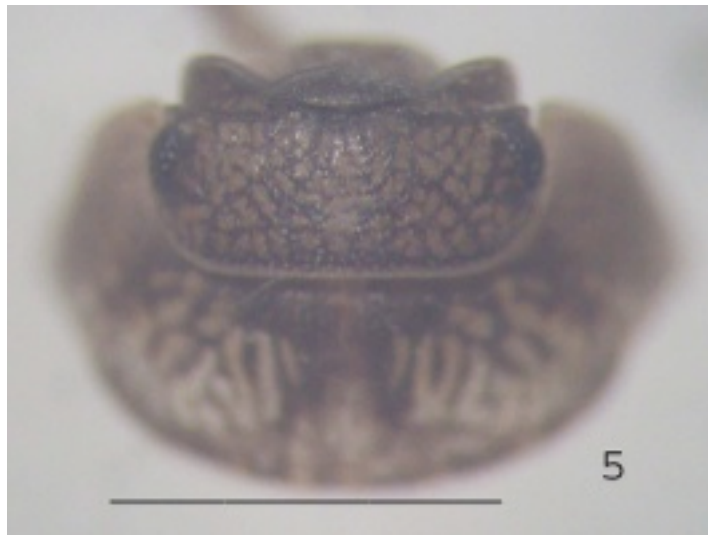


Fig. 5. *Armadillidium amrishi* Makhan, sp. nov., holotype male, head and pereion-tergite 1, dorsal view (scale line = 2.3 mm).

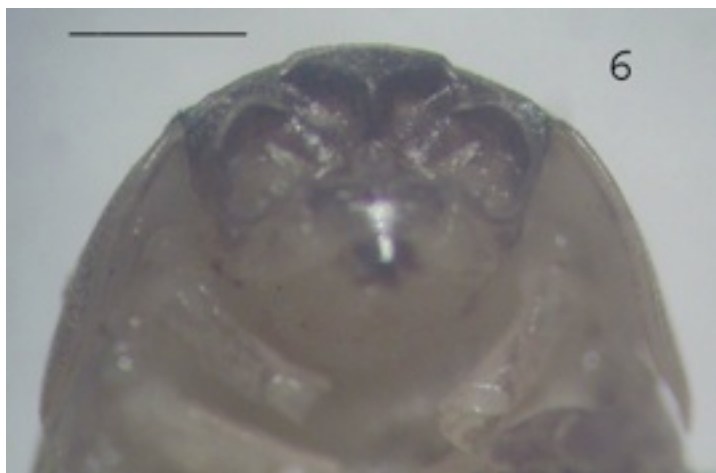


Fig. 6. *Armadillidium amrishi* Makhan, sp. nov., holotype male, head and pereion-tergite 1, frontal view (scale line = 1.0 mm).

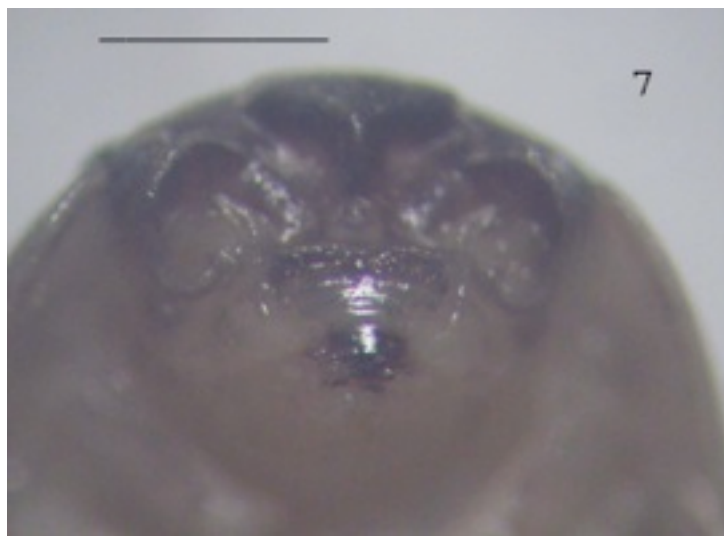


Fig. 7. *Armadillidium amrishi* Makhan, sp. nov., holotype male, head and pereion-tergite 1, frontal view (scale line = 1.0 mm).



Fig. 8. *Armadillidium amrishi* Makhan, sp. nov., holotype male, antenna (scale line = 1.0 mm).



Fig. 9. *Armadillidium amrishi* Makhan, sp. nov., holotype male, right pereopod 7, frontal view. (scale line = 0.5 mm).

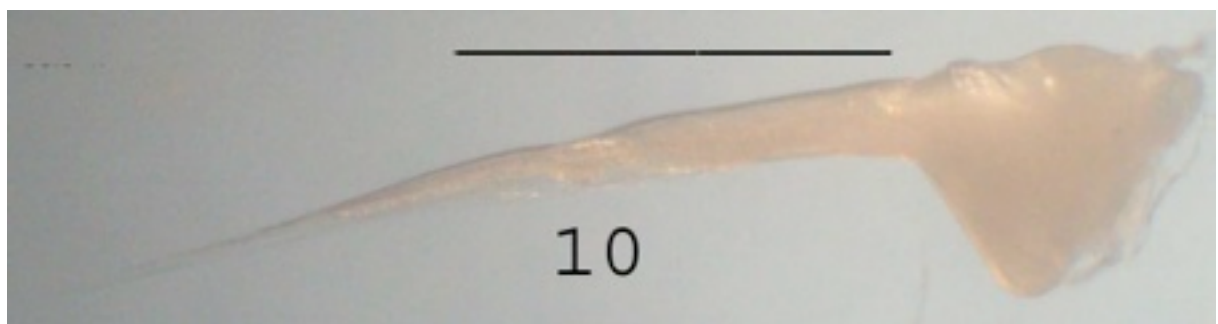


Fig. 10. *Armadillidium amrishi* Makhan, sp. nov., holotype male, aedeagus, dorsal view (scale line = 0.5 mm).

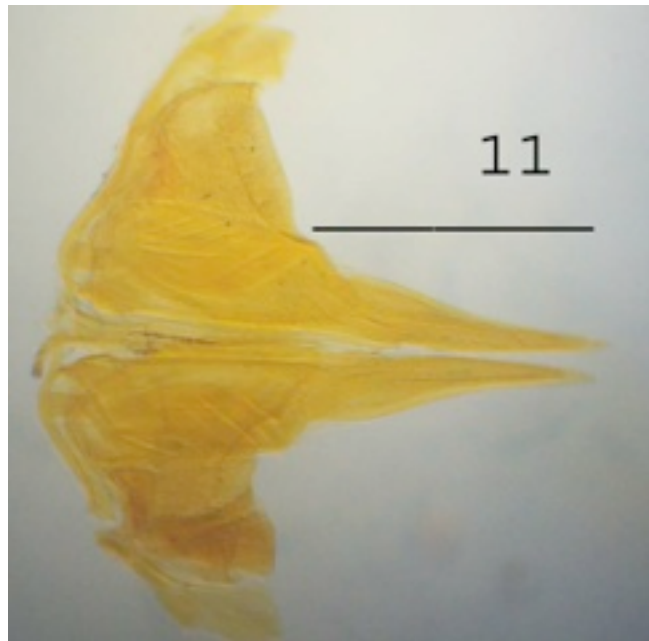


Fig. 11. *Armadillidium amrishi* Makhan, sp. nov., holotype male, pleopod-endopodite 1 (scale line = 1.0 mm).

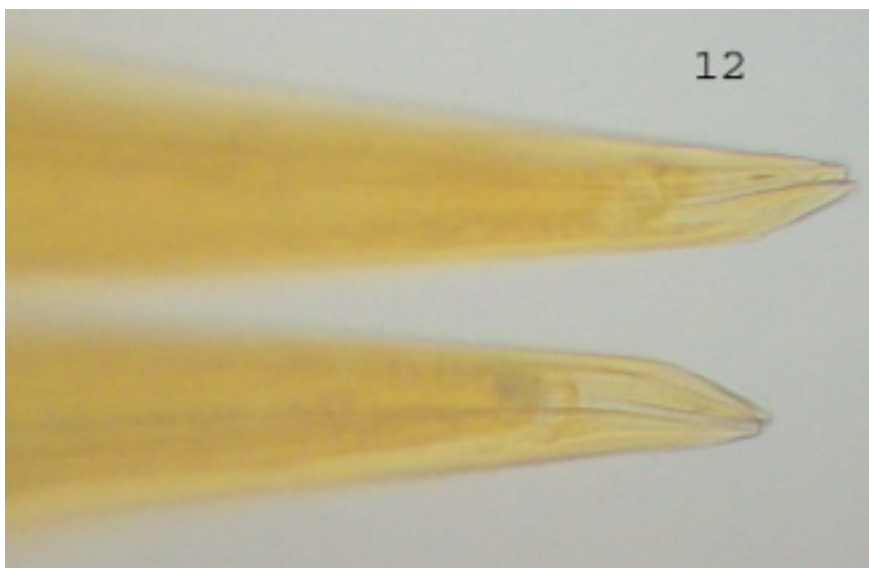


Fig. 12. *Armadillidium amrishi* Makhan, sp. nov., holotype male, pleopod-endopodite 1, apex (not to scale).

Etymology: This species is named after my son, Amrish Makhan.

Remarks: *Armadillidium amrishi* Makhan sp. nov. appears to be most closely allied to *Armadillidium vulgare* (Latreille, 1804) but there is a difference in the shape of the male aedeagus.

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