

New records of spiders (Arachnida: Aranei) from Azerbaijan

Новые находки пауков (Arachnida: Aranei) из Азербайджана

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Ключевые слова: пауки, новые находки, фауна, Азербайджан.

Abstract. Four spider species from four families, *Hahnia helveola* Simon, 1875 (Hahnidae), *Heliophanus forcipifer* Kulczyński, 1895 (Salticidae), *Ozyptila atomaria* (Panzer, 1801) (Thomisidae) and *Zelotes dagestanus* Ponomarev, 2019 (Gnaphosidae) are recorded for Azerbaijan for the first time.

Резюме. Четыре вида пауков из четырёх семейств: *Hahnia helveola* Simon, 1875 (Hahnidae), *Heliophanus forcipifer* Kulczyński, 1895 (Salticidae), *Ozyptila atomaria* (Panzer, 1801) (Thomisidae) и *Zelotes dagestanus* Ponomarev, 2019 (Gnaphosidae) впервые отмечены для фауны Азербайджана.

The paper presents the results of examination of the spider materials collected by N.Y. Snegovaya in Shabran (2023), Khyzy (2003) and Agdash (2020) Districts of Azerbaijan. During the study, four species that are new to the fauna of Azerbaijan have been identified. Records of these species, as well as digital photos of their copulatory organs, are presented below.

The material studied is stored in the collection of the Institute of Zoology of the Ministry of Education and Science of Azerbaijan (IZBA). Photos were taken using a Nikon SMZ 1270 with a Sony DSC-P8 camera.

The present work is registered in ZooBank (www.zoobank.org) under LSID urn:lsid:zoobank.org:pub:628FD5F9-7764-4C88-A6FA-9D46066055E9.

Gnaphosidae Banks, 1892

Zelotes dagestanus Ponomarev, 2019

Figs. 1–4.

Material. Shabran District: 3♂♂, 4♀♀ — pitfall traps, Zaghly Vill., IV–V.2023.

Comments. This species was described from Dagestan by Ponomarev, Shmatko [2019], who also mentioned that the earlier record of *Z. subterraneus* (C.L. Koch, 1833) from Mugan steppe [Dunin, Mamedov, 1992] could be erroneous, actually referring to *Z. dagestanus* Ponomarev. The latter assumption could be verified upon reference to the pertinent material that is identified as *Z. subterraneus* (C.L. Koch) and deposited in the collection of the Zoological Museum of Moscow University, as well as in the future when collecting new comparative material on these species. Previously this species was recorded only from Dagestan [World Spider Catalog, 2023].

Hahnidae Bertkau, 1878

Hahnia helveola Simon, 1875

Fig. 5.

Material. Khyzy District: 4♀♀ — forest litter, Altyagach, VI.2003.

Comments. A photograph of the epigyne of the female studied is provided to validate the present identification. The species is distributed in Europe, Turkey [World Spider Catalog, 2023] and the Caucasus (South Ossetia) [Ponomarev, Komarov, 2015].

Salticidae Blackwall, 1841

Heliophanus forcipifer Kulczyński, 1895

Figs 6–8.

Material. Agdash District: 1♂ — on the ground, Turyanchay State Reserve, 11.VI.2020.

Comments. In the Caucasus, this species has been recorded only from Armenia [Kulczyński, 1895; Otto, 2022]; yet it is known from Kazakhstan, Middle Asia and Iran [World Spider Catalog, 2023].

Thomisidae Sundevall, 1833

Ozyptila atomaria (Panzer, 1801)

Fig. 9.

Material. Shabran District: 1♂ — pitfall traps, Zaghly village, VI.2023.

Comments. The species is distributed in Europe, Turkey, the Caucasus, Russia (Europe to the Far East), Kazakhstan, Iran, Middle Asia, China, Korea, Japan [World Spider Catalog, 2023].

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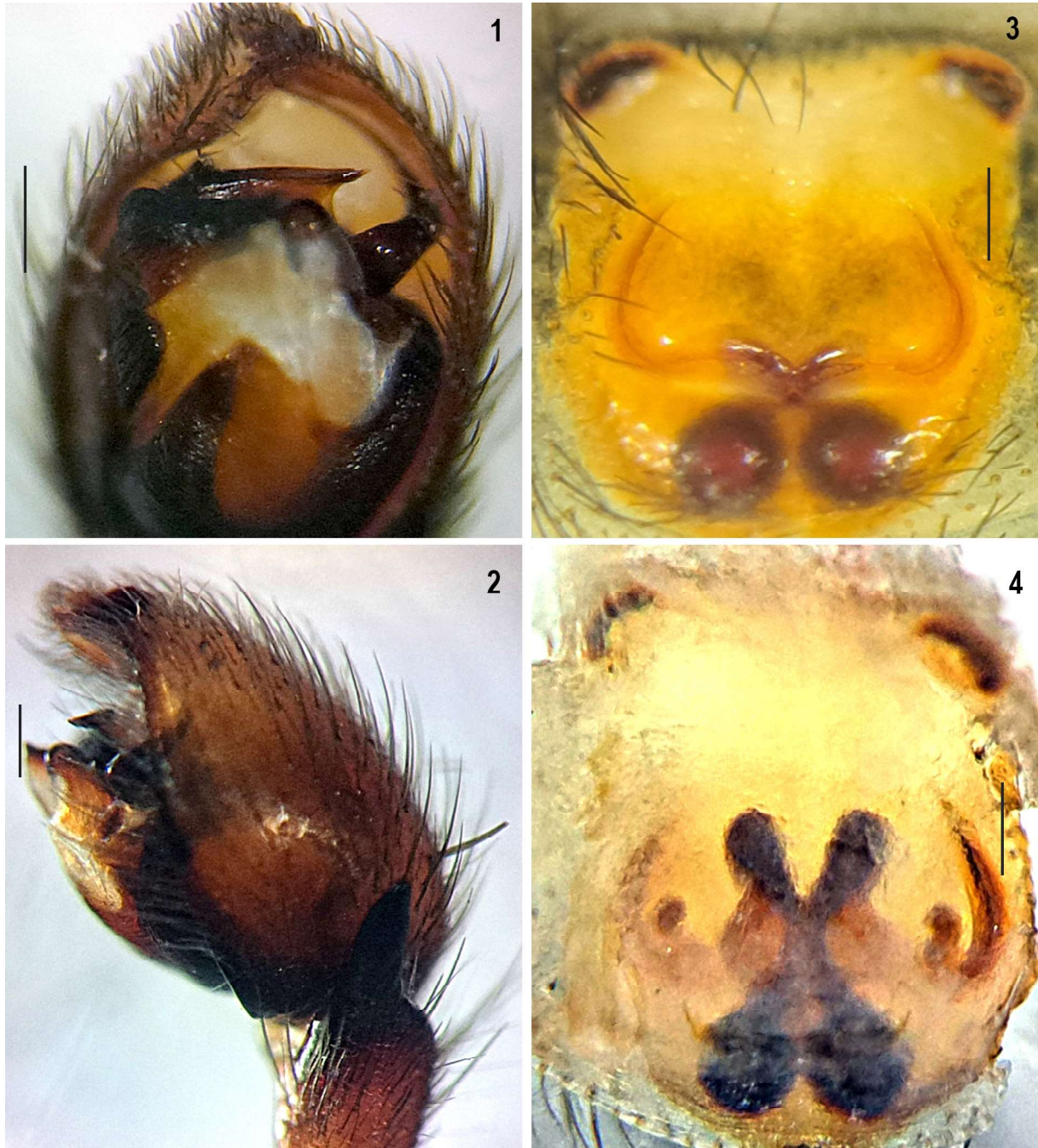
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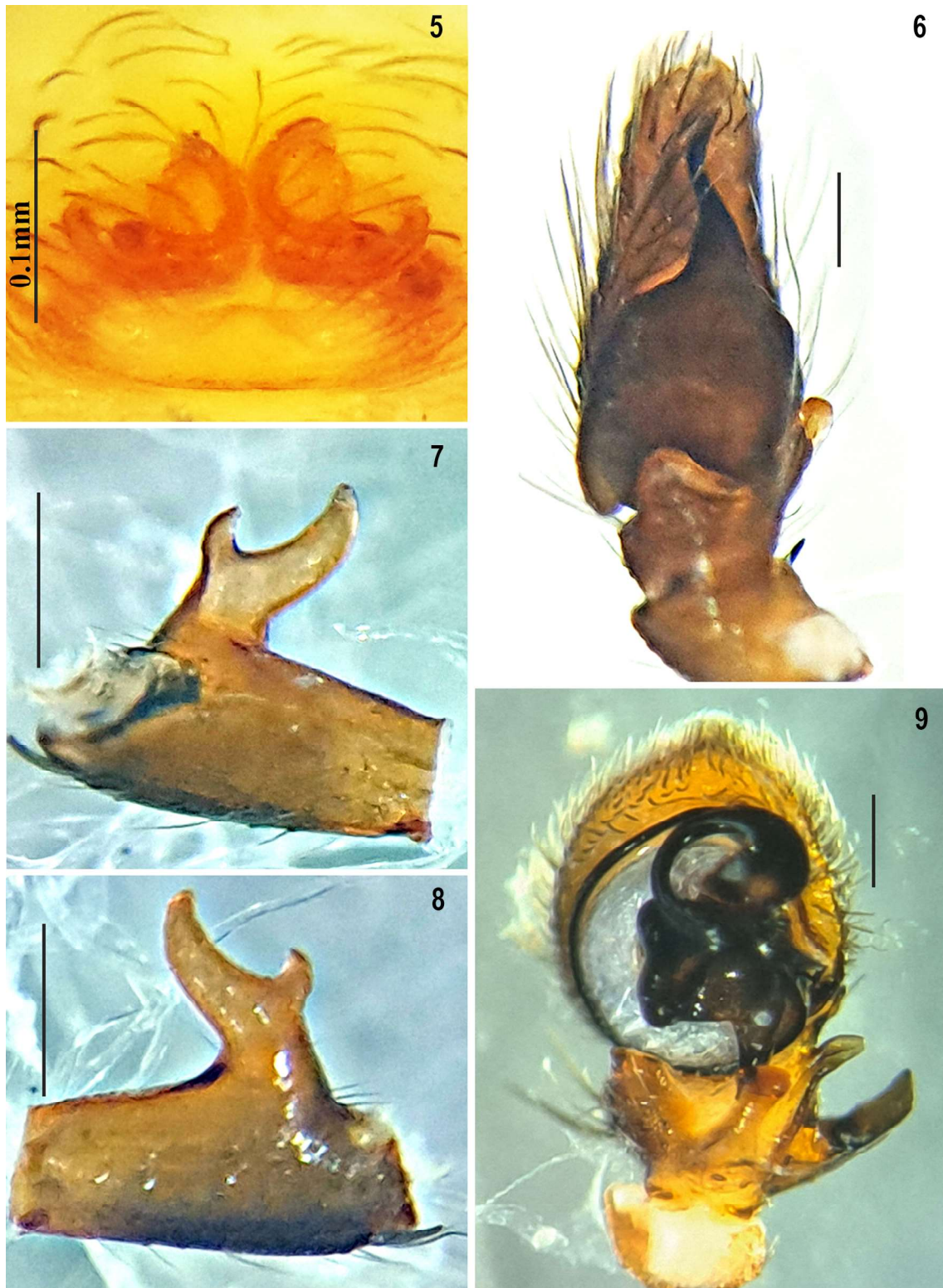
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Figs 1–4. *Zelotes dagestanus* Ponomarev, 2019: male palp (1–2) and female genitalia (3–4). 1 — ventral view; 2 — lateral view; 3 — epigyne; 4 — endogyne. Scale bars 0.2 mm.

Рис. 1–4. *Zelotes dagestanus* Ponomarev, 2019: палпа самца (1–2) и гениталии самки (3–4). 1 — вентрально; 2 — латерально; 3 — эпигина; 4 — эндогина. Масштабные линейки 0,2 мм.



Figs 5–9. Details of studied spider species morphology: *Habnia belveola* Simon, 1875 (5), *Heliophanus forcipifer* Kulczyński, 1895 (6–8) and *Ozyptila atomaria* (Panzer, 1801) (9). 5 — epigyne; 6, 9 — male palp, ventral view; 7 — palpal femur, prolateral view; 8 — same, retrolateral view. Scale bars 0.1 mm for Fig. 5, and 0.2 for Figs 6–9.

Рис. 5–9. Детали строения изученных видов пауков. *Habnia belveola* Simon, 1875 (5), *Heliophanus forcipifer* Kulczyński, 1895 (6–8) and *Ozyptila atomaria* (Panzer, 1801) (9). 5 — эпигина; 6, 9 — пальпа самца, вентрально; 7 — бедро пальпы, пролатерально; 8 — то же, ретролатерально. Масштабные линейки: 0,1 мм для рис. 5 и 0,2 для рис. 6–9.

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