

## A new species of *Spariolenus* from South Iran (Aranei: Sparassidae)

## Новый вид рода *Spariolenus* из южного Ирана (Aranei: Sparassidae)

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КЛЮЧЕВЫЕ СЛОВА: пауки, Araneae, Азия, Ближний Восток.

**ABSTRACT.** A new species of *Spariolenus* Simon, 1880, *S. khoozestanus* sp.n., is described and illustrated on the basis of a female holotype from Khuzestan Province, southwestern Iran. It is the 10<sup>th</sup> species of the genus.

**РЕЗЮМЕ.** Описан новый вид *Spariolenus khoozestanus* sp.n. на основе голотипа (самки) из провинции Хузестан, южный Иран. Это 10-й вид рода.

### Introduction

*Spariolenus* Simon, 1880 is a small genus of medium to very large-sized sparassid spiders, currently comprising nine species distributed from western Iran to Sumatra [WSC, 2016]. This genus is relatively well-studied in Iran due to an extensive survey by Moradmand & Jäger [2011] in which four new species were described from the western and southern parts of the Zagros Mountains. As a result of further investigation of the spider fauna of southwestern Iran, an undescribed species was found in the material, which is described and illustrated here, raising the number of sparassid species known from this country to 13 [Zamani *et al.*, 2016].

### Material and method

Illustrations were produced using an Olympus Camera E-520 camera attached to an Olympus SZX16 stereomicroscope at the Zoological Museum of University of Turku. To provide a complete depth of field, several images were combined using Zerene Stacker focus stacking software. All measurements are in mm. The depository of the studied material is the Senckenberg Museum, Frankfurt am Main (SMF). Terminology follows Moradmand & Jäger [2011].

### Systematic part

Family Sparassidae Bertkau, 1872  
Genus *Spariolenus* Simon, 1880

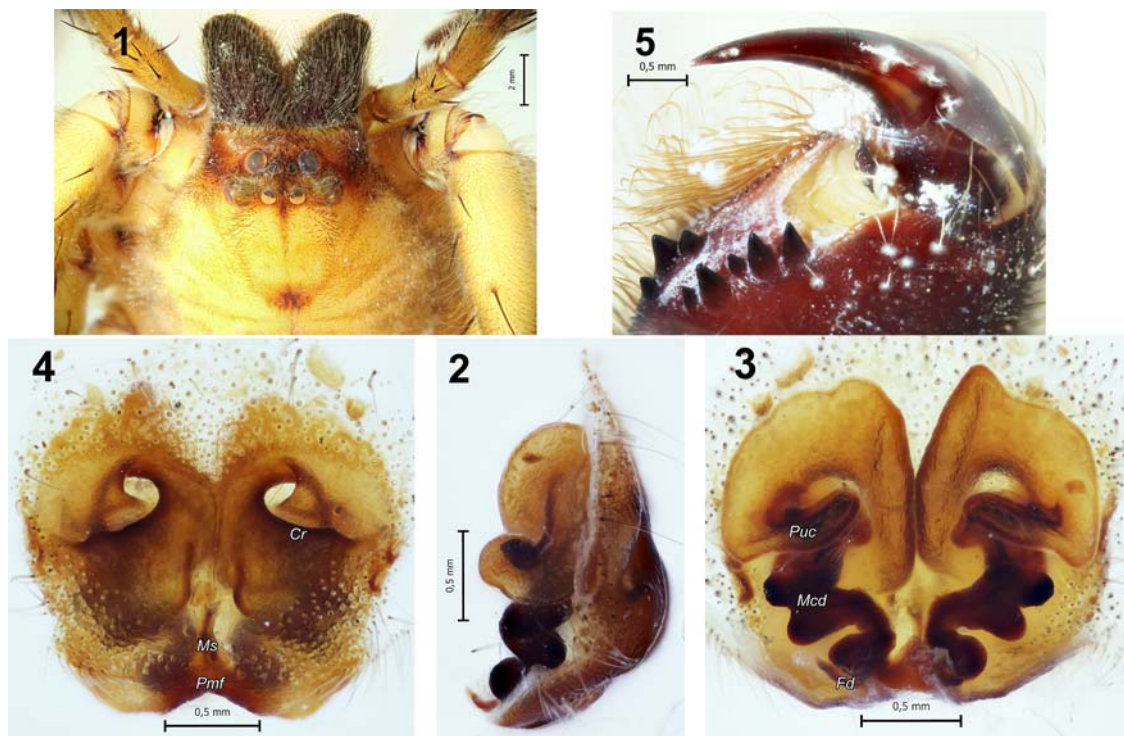
*Spariolenus khoozestanus* sp.n.  
Figs 1–5.

**TYPE MATERIAL.** Holotype ♀ (SMF), IRAN: *Khuzestan Province*: Lali Co., 32°19'44" N 49°05'37" E, 6.11.2015 (S. Sami).

**ETYMOLOGY.** The specific epithet refers to the type locality.

**DIAGNOSIS.** The new species is most similar to *S. tigris* Simon, 1880, with a known distribution of Pakistan to Malaysia. The two species can be easily separated by the shape of epigyne: 1) posterior part of the upper coil (*Puc*) of the insemination ducts is long and semi-horizontal in the new species (Fig. 3), whereas it is short and vertically inclined in *S. tigris* [Jäger, 2006: fig. 13]; 2) the ducts of the middle coil (*Mcd*) are kidney-shaped in both species, but short, with the lobes close together in the new species, whereas in *S. tigris* they are long and more widely separated; 3) unlike in *S. tigris*, in the new species the central rims extend laterally beyond the copulatory openings (Fig. 4); 4) in *S. tigris*, the posterior margins of the epigynal plate (*Pmf*) are close together, whereas in the new species they are widely separated [Jäger, 2006: fig. 12].

**DESCRIPTION.** *Female*: body length 22.83; carapace 11.80 long, 10.70 wide. ALE 1.02, AME 0.37, PLE 1.05, PME 0.55, AME-AME 0.45, PME-PME 0.52. Sternum 5.40 long, 4.70 wide. Leg I: 51.1 [14.2 5.9 14.7 13.4 2.9]. Prosoma as in Fig. 1. General body coloration light yellowish brown with scattered dark brown spots and markings on the carapace and dorsum of the opisthosoma. Legs with dark brown bands. Spination (excluding metatarsi): leg I: femur 3p, 1d, 3r, patella 1p, 1r, tibia 10v; leg II: femur 4p, 2d, 4r, 2v, patella 1p, 1r, tibia 10v; leg III: femur 4p, 2d, 3r, patella 1p, 1r, tibia 1p, 1r, 8v; leg IV femur 3p, 2d, 2r,



Figs 1–5. *Spariolenus khoozestanus* sp.n., holotype female: 1 — carapace, dorsal; 2 — epigyne, lateral; 3 — epigyne, dorsal; 4 — epigyne, ventral; 5 — left chelicera, ventral. Abbreviations: *Cr* — central rim; *Fd* — fertilization duct; *Mcd* — duct of middle coil; *Ms* — median slit; *Pmf* — posterior margin of epigynal plate; *Puc* — posterior part of upper coil.

Рис. 1–5. *Spariolenus khoozestanus* sp.n., голотип, самка: 1 — карапакс, дорзально; 2 — эпигина, сбоку; 3 — эпигина, сверху; 4 — эпигина, снизу; 5 — левая хелицера, снизу. Сокращения: *Cr* — центральный ободок; *Fd* — оплодотворительный канал; *Mcd* — трубка средней петли; *Ms* — срединная щель; *Pmf* — задний край пластинки эпигины; *Puc* — задняя часть верхней петли.

patella 1p, tibia 2p, 2d, 2r, 6v. Chelicerae with 3 anterior and 5 posterior teeth; cheliceral furrow with denticles, most of which are near the anterior teeth (Fig. 5). Palpal claw with first tooth longer than secondary teeth, 5 secondary teeth present.

Epigyne as in Figs 2–4. Copulatory openings wide and spirally coiled. Central rims (*Cr*) close to copulatory openings, extending laterally beyond them. Median slit (*Ms*) long. Posterior margin of epigynal plate wide and separated. Ducts of upper coil of insemination loops wide and close together; middle coil (*Mcd*) long, broad and semi-horizontal in the posterior part; lower ducts short and kidney-shaped. Fertilization ducts (*Fd*) relatively long and narrow.

*Male*: Unknown.

**DISTRIBUTION.** Known only from the type locality in Khuzestan, southwestern Iran.

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