

A contribution to the Knowledge of Turkish Jumping Spider Fauna (Araneae: Salticidae)

Tarık Danışman¹, İlhan Coşar¹, Melek Erdek², Zafer Sancak²

¹ University of Kırıkkale, Faculty of Sciences and Arts, Department of Biology, Kırıkkale, Turkey;
E-mail: tarikdanisman@yahoo.com.tr

² University of Kırıkkale, Graduate School of Natural and Applied Sciences, Department of Biology, Kırıkkale, Turkey

Abstract: Seven jumping spider species, *Aelurillus gershomi* PRÓSZYN'SKI, 2000, *Aelurillus luctuosus* (LUCAS, 1846), *Chalcoscirtus infimus* (SIMON, 1868), *Chalcoscirtus tanasevichi* MARUSIK, 1991, *Euophrys pseudogambosa* STRAND, 1915, *Pseudicius picaceus* (SIMON, 1868) and *Sitticus avocator* (O. P.-CAMBRIDGE, 1885) are reported for first time from Turkey.

Key words: Araneae, New records, Salticidae, Turkey

Introduction

The Salticidae Blackwall, 1841 is the largest family of spiders with 5368 described species (PLATNICK 2011). A total of 80 species in 32 genera are known in Turkey (BAYRAM *et al.* 2010) from Salticidae. In this paper, we add seven species to the spider fauna of Turkey. These species are *Aelurillus gershomi* Prószyński, 2000, *Aelurillus luctuosus* (Lucas, 1846), *Chalcoscirtus infimus* (Simon, 1868), *Chalcoscirtus tanasevichi* Marusik, 1991, *Euophrys pseudogambosa* Strand, 1915, *Pseudicius picaceus* (Simon, 1868) and *Sitticus avocator* (O. P.-Cambridge, 1885).

Material and Methods

This study is based on the materials collected in 2010 and 2011 from different regions of Turkey. Specimens were collected by means of hand aspirator under stones and on plants. The identification was made with Lieca S8APO Stereo microscope. Chiefly well known identification keys were used for identification (HEIMER, NENTWIG 1991, ROBERTS 1995, TYSCHCHENKO 1971). Specimens were preserved in

70% ethanol. All measurements were given in millimeters. Specimens are deposited in the collection of Arachnological Museum of Kırıkkale University (KUAM).

Results

Aelurillus gershomi prószyński, 2000

Taxonomic notes: Total length: 5.15, prosoma length 2.7, prosoma width 1.9, opisthosoma length 2.45, opisthosoma width 2.05. Prosoma dark brown. Clypeus black with some setae, lower side of clypeus with white setae line. and opisthosoma glossy blackish-brown. Chelicerae small and fawn. Palps: tip of the femur, patella and tibia yellowish with white setae, tarsus and metatarsus brown. Legs yellowish-brown, only tarsus and metatarsus blackish-brown. Male palp as in Fig. 1(A).

Material examined: 2♂, Kırıkkale Province, Keskin District, Dinek mountain (39°46'00"N, 33°38'59"E, 1290 m), 09.04.2010, from stony ground.

Distribution: Israel (PLATNICK 2011).

***Aelurillus luctuosus* (Lucas, 1846)**

Taxonomic notes: Total length: 6.9, prosoma length 2.75, prosoma width 2.45, opisthosoma length 4.15, opisthosoma width 3.05. Prosoma brown. Chelicerae and clypeus yellowish-brown. Opisthosoma grey-brown, with some light hairs. Legs yellow, with brownish spots. Palps also yellow, with white hairs.

Material examined: 1♀, Kırıkkale Province, Keskin District, Dinek mountain (39°46'00"N, 33°38'59"E, 1290 m), 20. 04. 2010, from stony ground.

Distribution: Mediterranean to Turkmenistan (PLATNICK 2011).

***Chalcoscirtus infimus* (Simon, 1868)**

Taxonomic notes: Total length: 2.3, prosoma length 1.2, prosoma width 0.9, opisthosoma length 1.1, opisthosoma width 0.7. Prosoma and opisthosoma glossy blackish-brown. Coxae and femora of legs blackish-brown, remaining segments yellowish-brown. Palp dark brown, tegulum narrow, tip of embolus hooked-shaped.

Material examined: 2♂, Kırıkkale Province, Sulakyurt District (40°09'22"N, 33°42'33"E, 826m), 17. 05. 2011, from stony ground.

Distribution: Southern, Central Europe to Central Asia (PLATNICK 2011).

***Chalcoscirtus tanasevichi* Marusik, 1991**

Taxonomic notes: Total length: 3.4, prosoma length 1.7, prosoma width 1.3, opisthosoma length 1.7, opisthosoma width 1.2. Prosoma brightly dark brown. Opisthosoma and chelicerae brown. Lower sides of opisthosoma covered with white dense hairs. Legs and palps yellowish-brown, femora dark brown

Material examined: 1♂, Niğde Province, Bor District (38°00'50"N, 34°45'25"E, 1080m), 30.06.2011, from stony area.

Distribution: Central Asia (PLATNICK 2011).

***Euophrys pseudogambosa* Strand, 1915**

Taxonomic notes: Total length: 3.1, prosoma length 1.6, prosoma width 1.1, opisthosoma length 1.5, opisthosoma width 1. Prosoma yellowish-brown, ocular area blackish. Clypeus brown, tenuously covered with black hairs. Lower edge of clypeus with rare short, hanging, white hairs. Opisthosoma also yellowish-brown, with dorsally yellow spots. Legs brown, femora dark brown, only leg I with ventrally

a row of thick black hairs. Palp coxae and femora dark brown, dorsal side of femora with long white hairs. Bulbus yellow.

Material examined: 1♂, Kayseri Province, Hacilar District (38°39'32"N, 35°26'05"E, 1370m), 19. 05. 2011, from grassland.

Distribution: Israel (PLATNICK 2011).

***Pseudicius picaceus* (Simon, 1868)**

Taxonomic notes: Total length: 3.5, prosoma length 1.6, prosoma width 1.5, opisthosoma length 1.9, opisthosoma width 1.2. Prosoma brown. Opisthosoma dark brown, dorsolaterals with white hairs. Legs yellowish, first pair of legs thicker than others. Palp yellowish-brown. Embolus short, with slightly curved end. Bulbus drooping down, cymbium dorsally with dense hair tuft.

Material examined: 1♂, Sinop Province, Dikmen District (41°39'14"N, 35°15'56"E, 240m), 19.05.2010, from stony area.

Distribution: Russia, Central Asia to Japan (PLATNICK 2011).

***Sitticus avocator* (O. P. -Cambridge, 1885)**

Taxonomic notes: Total length: 3.3, prosoma length 1.6, prosoma width 1.5, opisthosoma length 1.9, opisthosoma width 1.2. Prosoma brown. Chelicerae and clypeus yellow. Opisthosoma yellowish-brown, with dorso-longitudinal white line. Legs yellow, with colorless brown spots.

Material examined: 1♂, Aksaray Province, Abalı Village (38°51'44"N, 33°48'50"E, 1280 m), 18.06.2011, from stony area.

Distribution: Russia, Central Asia to Japan (PLATNICK 2011).

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