

A NEWLY RECORDED GENUS FOR TURKISH SPIDER FAUNA (ARANEAE: HAHNIIDAE)

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ABSTRACT

The spider species *Mastigusa arietina* (Thorell, 1871) together with its genus *Mastigusa* Menge, 1854, was found in northwest of Anatolia and represent new record for Turkish spider fauna. Digital photographs of genitalia and habitus and its locality knowledges are presented.

Keywords: Hahniidae, New record, Anatolia, Fauna

1. INTRODUCTION

Hahniidae is a small spider family with about 357 described species from 24 genera. *Mastigusa* Menge, 1854 is one of the smallest genus in the family. Currently it includes only 3 species distributed worldwide [1]. Turkish hahnid fauna includes 8 species in 4 genera, but there is no species of *Mastigusa* have been known from Türkiye [2-4]. Recently we found two specimens of *Mastigusa arietina* (Thorell, 1871) from Türkiye. Both species and genus new to country. The main purpose of the present work is to new datas for Turkish Spider Fauna.

2. MATERIAL AND METHOD

In this study, only two males specimens were collected from Giresun provinces in Black Sea Region in Türkiye in 2008 (Fig. 1). Examined specimens were preserved in 70% ethanol and deposited in the Arachnology Museum of Niğde Ömer Halisdemir University (NOHUAM). In the identification, Lockett & Millidge 1953; Roberts, 1995 and Wunderlich, 1986 were consulted [5-7]. The identification was made by means of a SZX61. The map of the distribution was prepared using SimpleMappr programs [8].



Figure 1. Collecting locality of *Mastigusa arietina* (Thorell, 1871) (red star) in Türkiye.

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3. RESULTS AND DISCUSSION

Mastigusa arietina (Thorell, 1871) Figs (2,3)

Identification and description: Roberts, 1995

Comments: This species distributed in west Palaearctic. Both species and genus new to Türkiye. Only one female of this species are known from the Asia [9]. This is the first record of male of this species from Asia. It is predicted that careful searching will reveal further localities in Anatolia, as well as other parts of Asia.

Taxonomic references

Cryphoea arietina Thorell, 1871.

Cicurina impudica Simon, 1875.

Cicurina arietina Simon, 1875.

Tetrilus diversus Simon, 1937.

Tetrilus arietinus Bristowe, 1939.

Mastigusa arietina Almquist, 2006.

Mastigusa arietina Zamani et al., 2020.

Collecting specimens: Giresun Province: Dereli district, Uzundere village (40°32'49.6"N 38°21'47.2"E), 26.VIII.2008 (2♂♂); Leg. Tuncay TÜRKEŞ.



Figure 2. Male habitus of *Mastigusa arietina* (Thorell, 1871) (Palp dissected)



Figure 3. Male genitalia of *Mastigusa arietina* (Thorell, 1871): A-Palp (ventral), B-Palp (retrolateral)

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SIMILARITY RATE: 15%

CONFLICT of INTEREST

The authors declared that they have no known conflict of interest.

REFERENCES

- [1] World Spider Catalog (2023). World Spider Catalog. Version 24.5. Natural History Museum Bern, online at <http://wsc.nmbe.ch>, accessed on {15. VII.2023}. doi: 10.24436/2
- [2] A. Topçu, H. Demir, and O. Seyyar, "A checklist of the spiders of Turkey," *Serket*, vol. 9, no. 4, pp. 109-140, 2005.
- [3] H. Demir and O. Seyyar, "Annotated checklist of the spiders of Turkey," *Munis Entomology and Zoology*, vol. 12, no. 2, pp. 433-469, 2017.
- [4] T. Danişman, K.B. Kunt, R.S. Özkütük, and İ. Coşar, "The Checklist of the Spiders of Turkey, Version 2023," 2023. [Online]. Available: <http://www.spidersofturkey.info>. [Accessed: Apr. 14, 2023].
- [5] G.H. Locket, and A.F. Millidge, *British Spiders*. London: Ray Society, 1953.
- [6] J. Wunderlich, *Spinnenfauna gestern und heute: Fossile Spinnen in Bernstein und ihre heute lebenden Verwandten*. Wiesbaden: Quelle & Meyer, 1986.
- [7] M. J. Roberts, *Collins Field Guide: Spiders of Britain & Northern Europe*. London: HarperCollins, 1985.
- [8] Shorthouse D.P. 2010. SimpleMappr, an online tool to produce publication-quality point maps. <http://www.simplmappr.net> [Accessed: Apr. 14, 2023].
- [9] A. Zamani, D. Dimitrov, I. Weiss, S. Alimohammadi, R. Rafiei-Jahed, S. L. Esyunin, M. Moradmand, M. Chatzaki, and Y. M. Marusik, "New data on the spider fauna of Iran (Arachnida: Araneae), part VII," *Arachnology*, vol. 18, pp. 569-591, 2020.

