

Research article

***Zaitunia annulipes* (Kulczyński, 1908) (Araneae, Filistatidae) is a new spider record from Turkey**Osman SEYYAR*^{ORCID}, Tuncay TÜRKEŞ^{ORCID}, Hakan DEMİR^{ORCID}

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Abstract: *Zaitunia annulipes* (Kulczyński, 1908) is recorded for the first time from Turkey. Its general habitus and genitalia are illustrated. Description and collecting data of this species are also given.

Keywords: Gnaphosidae, *Zaitunia annulipes*, new record, Turkey.

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Introduction

Filistatidae is cribellate spider with primitive features, a relatively small and globally-distributed family. This family members currently represented by 187 species belonging to 19 genera worldwide (World Spider Catalog, 2022). So far, 3 species belonging to 3 genera filistatids are listed from Turkey, *Filistata insidiatrix* (Forsk., 1775), *Pritha nana* (Simon, 1868) and *Zaitunia kunti* Zonstein & Marusik, 2016 (Topçu et al., 2005; Demir & Seyyar, 2017; Danışman et al., 2022).

The genus *Zaitunia* Lehtinen, 1967 includes 28 species all over the World (World Spider Catalog 2022). So far, only one *Zaitunia* Lehtinen, 1967 have been reported from Anatolia, *Zaitunia kunti* Zonstein & Marusik, 2016. We found a new species record of this genus from Turkey. The aim of this paper is to present the filistatid spider *Zaitunia annulipes* (Kulczyński, 1908) as a new record for the Turkish Spider Fauna.

Materials and Methods

In this study, both sexes' specimens were collected from Mersin province, South region of Turkey (Figure 1). Examined specimens were preserved in 70% ethanol and deposited in the NOHUAM. Habitus and terminology of copulatory organs mainly follow Zonstein & Marusik

(2016) was consulted. The identification was made by means of an SZX61 Olympus stereomicroscope.

Results**Key to species of the *Zaitunia* in Turkey**

- 1- Males.....2
- Females.....3
- 2- Embolus shorter than tegulum, curved and bent apically.....*Z. annulipes*
- Embolus moderately long, twisted apically.....*Z. kunti*
- 3- Median receptacles considerably larger than lateral pair.....*Z. annulipes*
- Median and lateral receptacles more distantly from each other.....*Z. kunti*

Taxonomy

Zaitunia annulipes (Kulczyński, 1908), (Figure 2 and 3)

Taxonomic references

Filistata annulipes Kulczyński, 1908

Zaitunia annulipes Brignoli, 1982

Zaitunia annulipes Zonstein & Marusik, 2016.

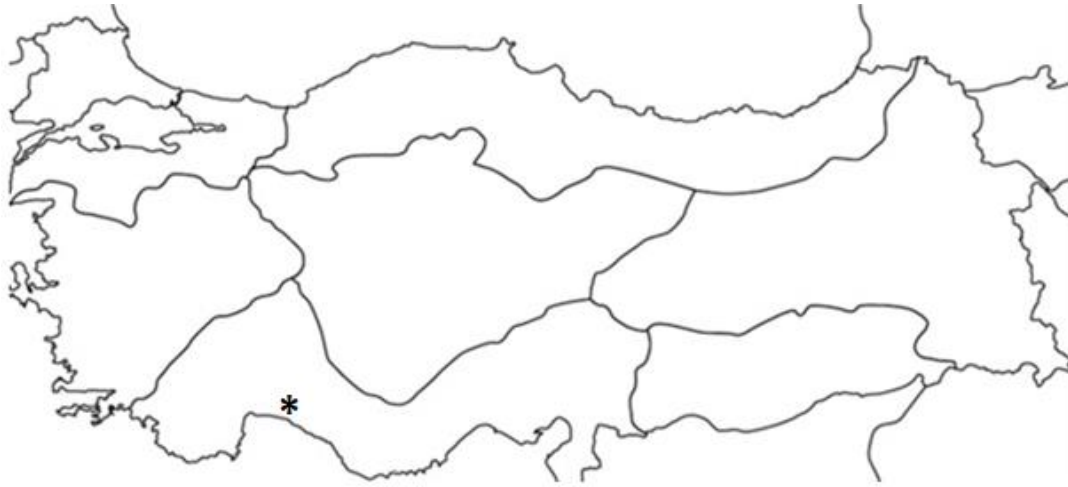


Figure 1. Locality of *Zaitunia annulipes* (Kulczyński, 1908) in Turkey: Antalya Province, between the Alanya and Aydıncık districts, 15 km from Aydıncık district.



Figure 2. General habitus of *Zaitunia annulipes* (Kulczyński, 1908): A- male, B- female.

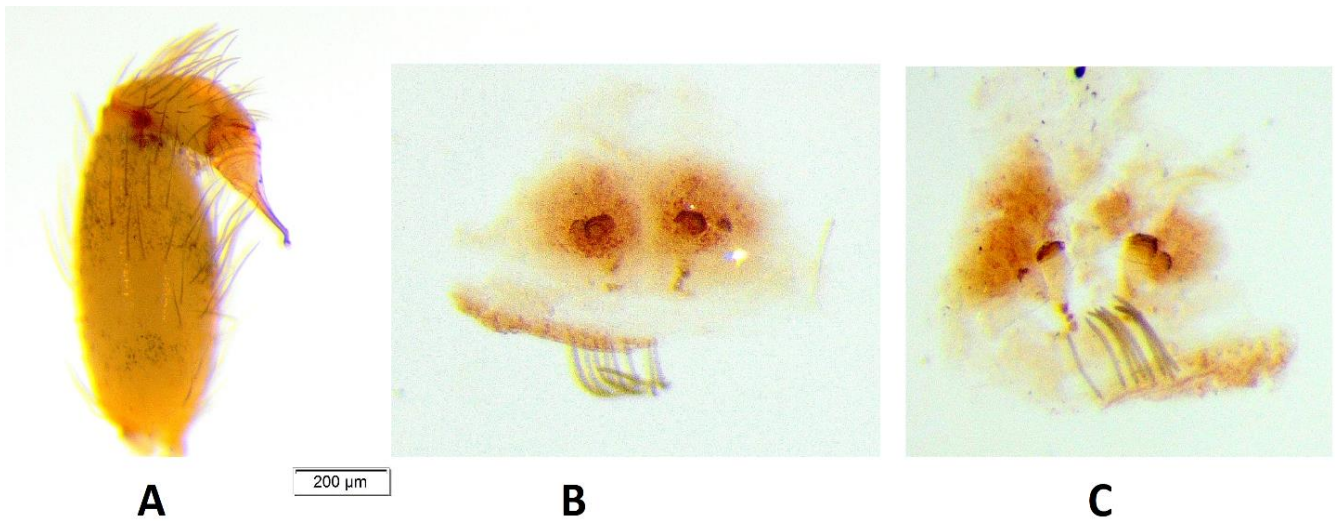


Figure 3. Genitalia of *Zaitunia annulipes* (Kulczyński, 1908): A- male palp, B- Endogyne, C- Receptacles

Collecting specimens: Mersin Province: between the Anamur and Aydıncık districts, 15 km from Aydıncık (36° 08' 01"N, 33° 12' 16"E), 149m, 24.IV.2009 (1♂, 1♀); Leg. Tuncay TÜRKÜŞ.

Zonstein, S., & Marusik, Y. M. (2016). A revision of the spider genus *Zaitunia* (Araneae, Filistatidae). *European Journal of Taxonomy*, 214, 1-97.

Discussion and Conclusions

Zaitunia is a genus with few species and small to medium-sized spiders. They are similarly the members of Filistata by the lack of a thoracic fovea, short and subvertical clypeus, subcircular sternum, as broad as long labium, and by a short and swollen palpal tibia of males (Zonstein, 2009, Zonstein et al., 2013). Only one *Zaitunia* species described from Turkey: *Zaitunia kunti* Zonstein & Marusik, 2016. Here, we add a new member of genus for the Turkish spider fauna, *Zaitunia annulipes* (Kulczyński, 1908). The results of this study show that there are four species in three genera of Filistatidae known from Turkey. Finding of this species from Turkey widens its range.

Ethical Approval

No need to ethical approval for this study.

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The authors have not declared any fund.

Conflict of Interest

The authors declare that they have no conflict of interest.

References

- Danışman, T., Kunt, K. B., & Özkütük, R. S. (2022). *The Checklist of the Spiders of Turkey*. Version 2022, Online at <http://www.spidersofturkey.info>, 15.04.2022.
- Demir, H., & Seyyar, O. (2017). Annotated Checklist of the Spiders of Turkey. *Munis Entomology & Zoology*, 12(2), 433-469.
- Topçu, A., Demir, H., & Seyyar, O. (2005). A Checklist of the spiders of Turkey. *Serket*, 9(4), 109-140.
- World Spider Catalog. (2022). *World Spider Catalog*. Version 23.0. Natural History Museum Bern, online at <http://wsc.nmbe.ch>, accessed on {15. IV.2022}. doi: 10.24436/2
- Zonstein, S. L. (2009). The spider genus *Zaitunia* Lehtinen, 1967 (Araneae: Filistatidae) in Israel and Sinai (Egypt). *Israel Journal of Entomology*, 38, 125-131.
- Zonstein, S. L., Marusik, Y. M., & Koponen, S. (2013). Redescription of three species of Filistatidae (Araneae) described by C.F. Roewer from Afghanistan. *Zootaxa*, 3745, 64-72. doi: 10.11646/zootaxa.3745.1.5