

## New records of *Tsoukatosia* GITTENBERGER 2000 (Gastropoda, Clausiliidae, Phaedusinae) from the Peloponnesos (Greece).

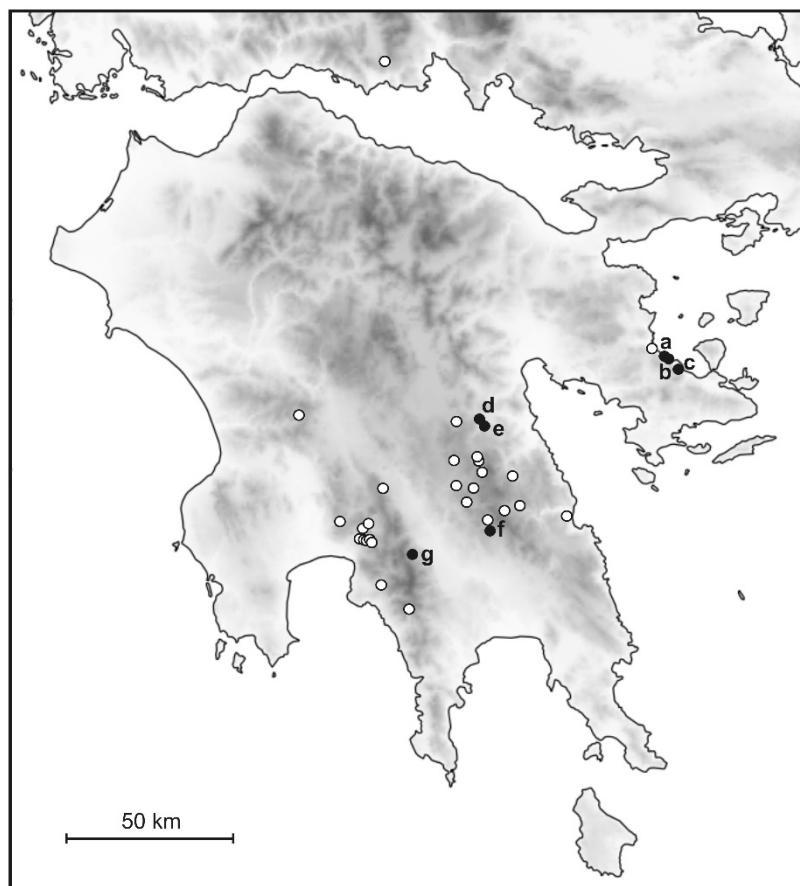
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### Abstract

Samples of *Tsoukatosia* GITTENBERGER 2000 (Gastropoda, Clausiliidae, Phaedusinae) recently collected from new localities allowed more detailed characterization of *T. argolica* A. & P. L. REISCHÜTZ & SZEKERES 2016, provided the first well preserved specimens of *T. liae dragoumiensis* A. & P. L. REISCHÜTZ & SZEKERES 2018, and considerably extended the known distribution areas of *T. christinae* A. & P. L. REISCHÜTZ 2003 and *T. liae parnonica* A. & P. L. REISCHÜTZ & SZEKERES 2018.

### Zusammenfassung

Neue Aufsammlungen von *Tsoukatosia* GITTENBERGER 2000 (Gastropoda, Clausiliidae, Phaedusinae) erlauben eine detailliertere Beschreibung von *T. argolica* A. & P. L. REISCHÜTZ & SZEKERES 2016, lieferten erste gut erhaltene Exemplare von *T. liae dragoumiensis* A. & P. L. REISCHÜTZ & SZEKERES 2018, und erweiterten das bekannte Verbreitungsgebiet von *T. christinae* A. & P. L. REISCHÜTZ 2003 und *T. liae parnonica* A. & P. L. REISCHÜTZ & SZEKERES 2018 beträchtlich.



**Figure 1:** *Tsoukatosia* localities in the Peloponnesos.

[Full circles show newly discovered occurrences of *Tsoukatosia argolica* A. & P. L. REISCHÜTZ & SZEKERES (a-c), *Tsoukatosia liae dragoumiensis* A. & P. L. REISCHÜTZ & SZEKERES (d-e), *Tsoukatosia liae parnonica* A. & P. L. REISCHÜTZ & SZEKERES (f), and *Tsoukatosia christinae* A. & P. L. REISCHÜTZ (g). Empty circles correspond to *Tsoukatosia* data reported earlier in the literature.]

A 2018 field trip by authors Alexander and Peter L. Reischütz to the Peloponnesos, Greece, resulted in the discovery of new localities (Figure 1) of the genus *Tsoukatosia* GITTENBERGER 2000, and the collected material provided valuable additional morphological and distribution data on some taxa of these subterranean cauliiliids.

*Tsoukatosia argolica* A. & P. L. REISCHÜTZ & SZEKERES 2016 was collected at the following three new sites in the Argolis area: Palaia Epidavros to Kalloni road 2.3 km NW of the Nisida junction (37°35'12" N 23°13'20" E, 110 m) (Figure 1, a); Palaia Epidavros to Kalloni road 1.4 km NW of the Nisida junction (37°34'59" N 23°13'54" E, 140 m) (Figure 1, b); and along the road to the wind-energy-park SW of Neratzia (37°33'7" N 23°15'51" E, 240 m) (Figure 1, c). The last mentioned occurrence is only about 200 m ESE of the type locality of this species (A. & P. L. REISCHÜTZ & SZEKERES 2016).

All new samples of *T. argolica* contain adult, undamaged shells (Figure 2), which allow refinement of the original description that was made on the basis of body whorls (A. & P. L. REISCHÜTZ & SZEKERES 2016). The four fully developed specimens consist of 8.0 to 9.0 whorls and their shell height data are 10.2 and 10.6 mm (Neratzia specimens, both with minor growth defect), as well as 12.5 and 13.0 mm (specimens from NW of the Nisida junction). Despite the size difference between the localities, all specimens share the shell features characteristic for this species (A. & P. L. REISCHÜTZ & SZEKERES 2016). The much closer new localities with somewhat larger specimens suggest that the two apices of *Tsoukatosia* found earlier SE of Palaia Epidavros (37°36'33" N 23°10'34" E, 100 m) (A. & P. L. REISCHÜTZ & SZEKERES 2016:111), most likely also belong to *T. argolica*.



**Figure 2:** *Tsoukatosia argolica* A. & P. L. REISCHÜTZ & SZEKERES from three new localities in the Argolis Peninsula

[Specimens from the Palaia Epidavros to Kalloni road 2.3 km (a) and 1.4 km (b) NW of the Nisida junction, as well as from the road to the Neratzia wind-energy-park (c). Scale bar: 3 mm.]

In the Parnon Mountains new localities of *T. liae dragoumiensis* A. & P. L. REISCHÜTZ & SZEKERES 2018 were discovered SE of Tripoli, at 400 m SW of Agios Georgios (37°24'57" N 22°35'7" E, 440 m) (Figure 1, d), and at 500 m SE of Aetochori (37°23'35" N 22°36'07" E, 410 m) (Figure 1, e). The latter site yielded well preserved specimens (with 9.0–9.3 whorls, 13.4–13.8 mm shell height) of this subspecies of which earlier only much eroded material with a

single entire shell was known (A. & P. L. REISCHÜTZ & SZEKERES 2018). Additionally, *T. liae parnonica* A. & P. L. REISCHÜTZ & SZEKERES 2018 was also found at a new site 4 km NW of Kallithea (37°06'19" N 22°37'13" E, 900 m) (Figure 1, f).

A new locality of *T. christinae* A. & P. L. REISCHÜTZ 2003 was discovered in the Taigetos Mountains, S of Taigeti, along the road to Anavryti (37°2'21" N 22°21'34" E, 930 m) (Figure 1, g). This record extends the distribution range of the species, and also of the genus, to the eastern slopes of the Taigetos, from where no *Tsoukatosia* localities had been known (A. & P. L. REISCHÜTZ 2004; A. & P. L. REISCHÜTZ & SZEKERES 2016).

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