

The identification of *Spermophagus sericeus*  
(GEOFFROY, 1785) and *S. calystegiae* (LUKJANOVITSH and  
TER-MINASSIAN, 1957) (Coleoptera, Bruchidae)

Identyfikacja *Spermophagus sericeus* (GEOFFROY, 1785) i *S. calystegiae*  
(LUKJANOVITSH et TER-MINASSIAN, 1957) (Coleoptera, Bruchidae)

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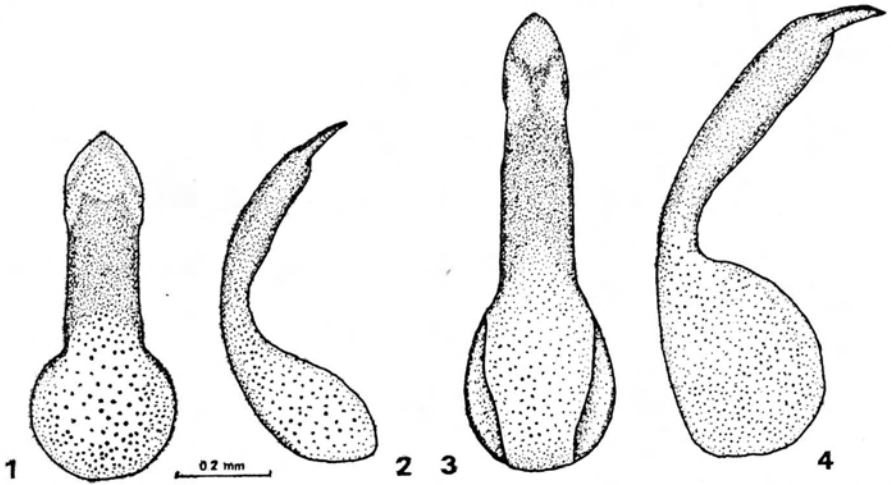
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ABSTRACT. Previously unused characters are given for *Spermophagus sericeus* and *calystegiae*; females of these species are recognized for the first time.

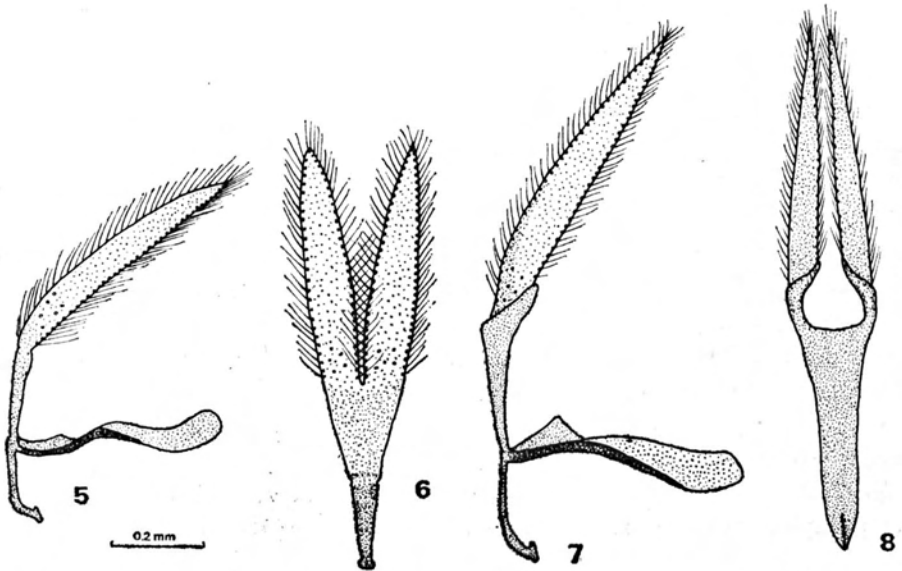
Two Palearctic *Spermophagus* are characterized by black hindtibial spines: *sericeus* and *calystegiae*. The former species is widely distributed in the Palearctic Region (HOFFMANN, 1945; MÜLLER, 1953; LUKJANOVITSH and TER-MINASSIAN, 1957), the latter one was known till now from a few localities in the European USSR and Caucasus. Till now, these species were distinguished by details of the male genitalia.

However, an analysis of both *sericeus* and *calystegiae* collected in Dobruja, ne. Bulgaria revealed several unused differences in both sexes. These are listed below:

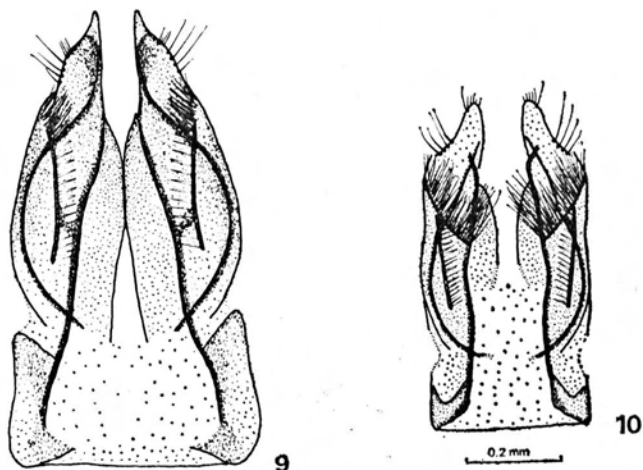
	<i>sericeus</i>	<i>calystegiae</i>
median lobe of male genitalia	. 0.7-0.8 mm	. 1.0-1.1 mm
its preapical portion	non constricted (fig. 1)	constricted (fig. 3)
apex	slightly curved ventrad (fig. 2)	strongly curved ventrad (fig. 4)



1-4. Median lobe of male genitalia. 1-2 - *Spermophagus sericeus*, 1 - ventral, 2 - lateral, 3-4 - *S. calystegiae*, 3 - ventral, 4 - lateral



5-8. Parameres. 5-6 - *S. sericeus*, 5 - lateral, 6 - dorsal, 7-8 - *S. calystegiae*, 7 - lateral, 8 - dorsal



9, 10. Ovipositor. 9 — *S. sericeus*, 10 — *S. calystegiae*

lateral lobes of male parameres	fused with basal part, their bases almost in contact (figs 5-6)	separate by suture from basal part, their bases distant (figs 7-8)
ovipositor	1.0-1.1 mm, well sclerotized	0.7-0.8 mm, weakly sclerotized
its apical part	without oblique suture, sparsely pubescent, apex acute (fig. 9)	with oblique suture, densely pubescent, apex rounded (fig. 10)

#### REFERENCES

- HOFFMANN, A., 1945, Coléoptères Bruchides et Anthribides. In: Faune de France, 44, Paris, 184 pp.
- LUKJANOVITSH, F. K., M. E. TER-MINASSIAN, 1957, *Bruchidae*, In: Fauna USSR, 24, Moskva-Leningrad, 210 pp.
- MÜLLER, G., 1953, I Coleotteri della Venezia Giulia, II, *Coleoptera Phytophaga*, Trieste, 649 pp.