A NEW SUBSPECIES OF *PSEUDOVADONIA LIVIDA* (FABRICIUS, 1777) FROM TURKEY (CERAMBYCIDAE: LEPTURINAE)

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ABSTRACT: *Pseudovadonia livida hatayensis* ssp. nov. is described from Hatay province in South Turkey. A key to the subspecies of *Pseudovadonia livida* (Fabricius, 1777) is also presented.

KEY WORDS: Cerambycidae, *Pseudovadonia livida*, new subspecies, Turkey.

Family Cerambycidae Latreille, 1802  
Subfamily Lepturinae Latreille, 1802  
Tribe Lepturini Latreille, 1802  
Genus *Pseudovadonia* Lobanov, Danilevsky & Murzin, 1981: 787  
[Type species *Leptura livida* Fabricius, 1777]

*P. livida* Fabricius, 1777: 233 (Leptura)  
The species has been represented by 5 subspecies in W Palaearctic region as *P. livida bicarinata* (N. Arnold, 1869) that is distributed in E Europe, Caucasus, NE Turkey, Iran, Kazakhstan, Kirgizia, Siberia and China, *P. livida desbrochersi* (Pic, 1891) that is distributed in Caucasus (Armenia, Azerbaijan, Georgia) and E Turkey, *P. livida livida* (Fabricius, 1777) that is distributed in Europe and European Turkey, *P. livida setosa* Danilevsky, 2013 that is distributed in E Europe, European Turkey and Western parts of Asian Turkey and *P. livida pecta* (K. Daniel & J. Daniel, 1891) that is distributed only in Italy (Löbl & Smetana, 2010; Danilevsky, 2013, 2015).

As seen above, the species has been represented by 4 subspecies except *P. livida pecta* (K. Daniel & J. Daniel, 1891) in Turkey up to now.

During the study of the collected Cerambycidae specimens, I have identified a female specimen belonging to a new subspecies that collected from Hatay province in Eastern Mediterranean Region of Turkey, of *Pseudovadonia livida* (Fabricius, 1777) which will be described in the present text.

**P. livida hatayensis** ssp. nov. (Holotype ♀, collection H. Özdikmen, Zoological Museum of Gazi University, Ankara) [Type locality “Belen: Çakallı village” (Turkey: Hatay)]  

**Type material.** Holotype ♀: Turkey: Hatay prov.: Belen, Çakallı village, N 36° 28’ 960” E 36° 13’ 506’’, 19.V.2006, 652 m. The specimen deposited in Zoological Museum of Gazi University, Ankara (Turkey).

Body length in female (males unknown): 7 mm, width: 2.5 mm.  
*P. livida bicarinata* (N. Arnold, 1869) is characterized by obliquely erect
dorsal pronotal setae, the nominotypical subspecies is characterized by strongly erect straight dorsal pronotal setae and generally light-yellow elytral coloration, *P. livida setosa* Danilevsky, 2013 is characterized by strongly erect and rather long dorsal pronotal setae and darker brown elytral coloration, and *P. livida pecta* (K. Daniel & L. Daniel, 1891) is characterized by strongly recumbent dorsal pronotal setae. *P. livida desbrochersi* (Pic, 1891) is easily distinguished from other subspecies by reddish abdomen and legs.

With the same reasons, the present specimen from Hatay province (S Turkey) should be a new subspecies. The new subspecies, *P. livida hatayensis* ssp. nov., is closely related to *P. livida bicarinata* (N. Arnold, 1869). It is easily distinguished from *P. livida bicarinata* by thinner, dark-yellow and weaker obliquely erect dorsal pronotal setae (dorsal pronotal setae denser, thicker, yellow or dark yellow and stronger obliquely erect in *P. l. bicarinata*), and light-brown elytral coloration (elytral coloration darker or reddish brown in *P. l. bicarinata*) chiefly.

**Distribution.** It is only known from South Turkey now. Probably it can also occur in SE Turkey, N Syria.

**Etymology.** From the type locality Hatay province (Turkey).

**A key to the subspecies of Pseudovadonia livida** (Fabricius, 1777)

1. Abdomen and legs completely red……………………………... *P. livida desbrochersi*

   - Abdomen and legs black or at most partly red…………………………………………………………...**2**

2. Dorsal pronotal setae strongly erect…………………………...……………………...**3**

   - Dorsal pronotal setae obliquely erect or recumbent……………………………………………………**4**

3. Elytral coloration light-yellow………………………..….. **.. P. livida livida**

   - Elytral coloration much darker brown……………………………………... **P. livida setosa**

4. Dorsal pronotal setae recumbent……………………………….. *P. livida pecta*

   - Dorsal pronotal setae more or less obliquely erect……………………………………………………….**5**

5. Dorsal pronotal setae thicker, yellow or dark yellow and stronger obliquely erect…………………………………… **P. livida bicarinata**

   - Dorsal pronotal setae thinner, dark-yellow and weaker obliquely erect………………...

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**LITERATURE CITED**


Figure 1. Pseudovadonia livida hatayensis ssp. nov. (holotype ♀).

Figure 2. Pseudovadonia livida hatayensis ssp. nov. (above), Pseudovadonia livida bicarinata (below) (from M. L. Danilevsky, www.cerambycidae.net\beetles\_pseudovadonia\_livida\_bicarinata.html).