

## First record of *Solenosthedium bilunatum* (Lefèbvre, 1827) (Hemiptera: Heteroptera: Scutelleridae) in Bosnia and Herzegovina

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**ABSTRACT:** The first record of *Solenosthedium bilunatum* (Lefèbvre, 1827) in Bosnia and Herzegovina is reported. Information on the known distribution of *S. bilunatum* in Europe is summarised.

**KEY WORDS:** *Solenosthedium bilunatum*, first record, distribution, Bosnia and Herzegovina, Mediterranean Region.

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Up to now, the Mediterranean scutellerid *Solenosthedium bilunatum* (Lefèbvre, 1827) (Hemiptera: Heteroptera: Scutelleridae) has been reported from the following European countries: Albania, Croatia (mainland, Korčula), Cyprus, France (mainland, Corsica), Greece (mainland, Crete), Italy (mainland, Sardinia, Sicily, Ustica), Malta, Portugal and Spain (mainland, Ibiza, Mallorca) (Misja, 1973; Josifov, 1986; Matocq & Pluot-Sigwalt, 2002; Göllner-Scheidung, 2006; Gogala, 2008; Aukema et al., 2013; Dusoulier et al., 2016; Ramsay, 2019; Škorput et al., 2019; van der Heyden, 2020, 2021).

Now, the first record of *S. bilunatum* in



Bosnia and Herzegovina can be reported: On 13.02.2023, a single specimen was photographed by Luka Marić south of Mostar, located in the southern part of the country (Fig. 1). The specimen was found in a house in a residential area situated on grassland in the Mostar valley, surrounded by karst hills (Luka Marić, pers. comm.). Several photographs of the specimen were uploaded to the online database iNaturalist (Marić, 2023).

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## REFERENCES

- Aukema, B., Rieger, C., Rabitsch, W. (Eds.), 2013, Catalogue of the Heteroptera of the Palaearctic Region, Volume 6, Supplement. The Netherlands Entomological Society, Amsterdam, 629 pp.
- Dusoulier, F., Claerebout, S., Mroczko, C., 2016, Deux espèces nouvelles pour la faune de la France continentale: *Eyprepocnemis plorans* (Charpentier, 1825) et *Solenosthedium bilunatum* (Lefebvre, 1827) (Orthoptera Acrididae et Hemiptera Scutelleridae), *L'Entomologiste*, 72 (2): 121-126.
- Göllner-Scheiding, U., 2006, Family SCUTELLERIDAE Leach, 1815 - shield bugs, 190-227 pp. In: *Catalogue of the Heteroptera of the Palaearctic Region*, Volume 5, Pentatomomorpha II. (Eds. B. Aukema, C. Rieger). The Netherlands Entomological Society, Amsterdam, 550 pp.
- Gogala, A., 2008, First record of *Solenosthedium bilunatum* (Lefebvre) (Heteroptera: Scutelleridae) for Croatia, *Entomologia Croatica*, 12 (1): 81-82.
- Josifov, M., 1986, Verzeichnis der von der Balkanhalbinsel bekannten Heteropterenarten (Insecta, Heteroptera), *Faunistische Abhandlungen Staatliches Museum für Tierkunde Dresden*, 14 (6): 61-93.
- Marić, L., 2023, *Solenosthedium bilunatum*. Photographs to be found on iNaturalist [Online database]. Available from: <https://www.inaturalist.org/observations/148683736>. (Accessed: 13.02.2023).
- Matocq, A., Pluot-Sigwalt, D., 2002, Notes sur *Solenosthedium bilunatum* (Lefebvre, 1827) (Heteroptera, Scutelleridae), *Bulletin mensuel de la Société linnéenne de Lyon*, 71 (7): 277-284.
- Misja, K., 1973, Rezultate të studimit të gjysmëkrahëfortëve (Hemiptera) të vëndit tonë, *Buletin i Shkencave të Natyrës*, 1-2: 131-151.
- Ramsay, A.J., 2019, Pentatomoidea (Hemiptera: Heteroptera) of Greece – An annotated checklist, *Monographs of the Upper Silesian Museum*, 10: 9-27.
- Škorput, J., Novak Morić, A., Martinović, M., van der Heyden, T., Skejo, J., 2019, *Solenosthedium bilunatum* (Heteroptera: Scutelleridae) at the Adriatic Coast of Croatia, *Entomologie heute*, 31: 25-29.
- van der Heyden, T., 2020, Records of *Solenosthedium bilunatum* (Lefebvre, 1827) on the Italian island of Ustica and the Spanish island of Ibiza (Hemiptera: Heteroptera: Scutelleridae), *Archivos Entomológicos*, 22: 289-291.
- van der Heyden, T., 2021, Confirmation of the presence of *Solenosthedium bilunatum* (Lefebvre 1827) (Hemiptera: Heteroptera: Scutelleridae) in Albania, *Journal of the Heteroptera of Turkey*, 3 (2): 111-113.



**Figure 1.** Specimen of *Solenosthedium bilunatum* (Lefèvre, 1827), near Mostar, Bosnia and Herzegovina, 13.02.2023. (Photo: Luka Marić).