

## NOTA / NOTE

*Lachnaia (Lachnaia) variolosa* (Linnaeus, 1767)  
(Coleoptera, Chrysomelidae), new species for Portugal.

José Manuel Grosso-Silva<sup>1</sup>, Albano Soares<sup>2</sup>, Eva Monteiro<sup>2</sup>, Renata Santos<sup>2</sup>,  
Rui Félix<sup>2</sup>, Sandra Antunes<sup>2</sup> & Patrícia Garcia-Pereira<sup>3</sup>

<sup>1</sup> Museu de História Natural e da Ciência da Universidade do Porto (MHNC-UP) / PRISC, Praça Gomes Teixeira,  
4099-002 Porto, Portugal. e-mail: jmgrossosilva@mhnc.up.pt

<sup>2</sup> Tagis - Centro de Conservação das Borboletas de Portugal, Rua das Portas de Évora, 3,  
7480-152 Avis, Portugal. e-mail: infotagis@gmail.com

<sup>3</sup> Centro de Ecologia, Evolução e Alterações Ambientais, Faculdade de Ciências da Universidade de Lisboa. Edifício C2, Campo  
Grande, 1749-016 Lisboa, Portugal. e-mail: npereira@fc.ul.pt

**Abstract:** *Lachnaia (Lachnaia) variolosa* (Linnaeus, 1767) (Coleoptera, Chrysomelidae, Cryptocephalinae) is reported from mainland Portugal for the first time with a coastal record obtained in 2018 in the southernmost district of Faro.

**Key words:** Coleoptera, Chrysomelidae, *Lachnaia variolosa*, first record, Portugal.

**Resumen:** *Lachnaia (Lachnaia) variolosa* (Linnaeus, 1767) (Coleoptera, Chrysomelidae), nueva especie para Portugal. Se cita *Lachnaia (Lachnaia) variolosa* (Linnaeus, 1767) (Coleoptera, Chrysomelidae, Cryptocephalinae) por primera vez de Portugal continental con un registro del 2018 en un área costera de Faro, el distrito más meridional de Portugal.

**Palabras clave:** Coleoptera, Chrysomelidae, *Lachnaia variolosa*, first record, Portugal.

**Recibido:** 17 de enero de 2020

**Publicado on-line:** 31 de enero de 2020

**Aceptado:** 24 de enero de 2020

The leaf beetle genus *Lachnaia* Dejean, 1836 (Coleoptera, Chrysomelidae, Cryptocephalinae) comprises two subgenera (*Barathraea* Lacordaire, 1848 and the nominotypical subgenus) and includes approximately 20 species, nine of which occur in the Iberian Peninsula (PETITPIERRE, 2000; BASELGA & RUIZ-GARCÍA, 2007; REGALIN & MEDVEDEV, 2010).

One remarkable Iberian representative of this genus is *Lachnaia (Lachnaia) variolosa* (Linnaeus, 1767), rendered unmistakable by its very conspicuous irregular elytral pits. This species, originally described from "Africa" (LINNAEUS, 1767), is currently known from Algeria and Morocco in northern Africa (REGALIN & MEDVEDEV, 2010) and from five southern Spanish provinces in Europe (Map 1), namely Almería, Cádiz, Granada, Málaga, and Murcia (PETITPIERRE, 2000; LENCINA et al., 2006; VALLADARES et al., 2013). In the present contribution, we record *L. (L.) variolosa* from mainland Portugal for the first time, extending its known range to the south-westernmost part of Iberia.

### Material examined

PORTUGAL: Faro district: Portimão municipality: Alvor Biodiversity Station (29SNB3509, 3 m above sea level), 16/05/2018, 2 ♂♂, Patrícia Garcia-Pereira leg., MHNC-UP collection (MHNCUP/ART/37638 and MHNCUP/ART/37639).

## Discussion

The known distribution of *Lachnaia (Lachnaia) variolosa* (Linnaeus, 1767) in the Iberian Peninsula is significantly extended westwards with the new record (Map 1). Furthermore, in view of this, the species is probably present and should be searched for in the Spanish provinces of Huelva and Seville, located between the Portuguese district of Faro and Cádiz, the nearest province from which the species was recorded.

The present contribution raises the Portuguese *Lachnaia* catalogue to seven species (PETITPIERRE, 2000; REGALIN & MEDVEDEV, 2010). As such, regarding the Iberian diversity known, only *Lachnaia (Lachnaia) gallaeca* Baselga & Ruiz-Garcia, 2007 and *Lachnaia (Lachnaia) pseudobarathraea* K. Daniel & J. Daniel, 1898, both endemic to mainland Spain, are currently unrecorded from Portugal.

## Acknowledgements

The authors would like to thank the Portimão Municipality (Câmara Municipal de Portimão), which supported the study and the implementation of the Alvor Biodiversity Station.

## References

BASELGA, A. & RUIZ-GARCÍA, J. 2007. Revision of the *Lachnaia tristigma* (Lacordaire, 1848) species-group (Coleoptera: Chrysomelidae) and description of a new species. *Zootaxa*, **1630**(1): 39-46.

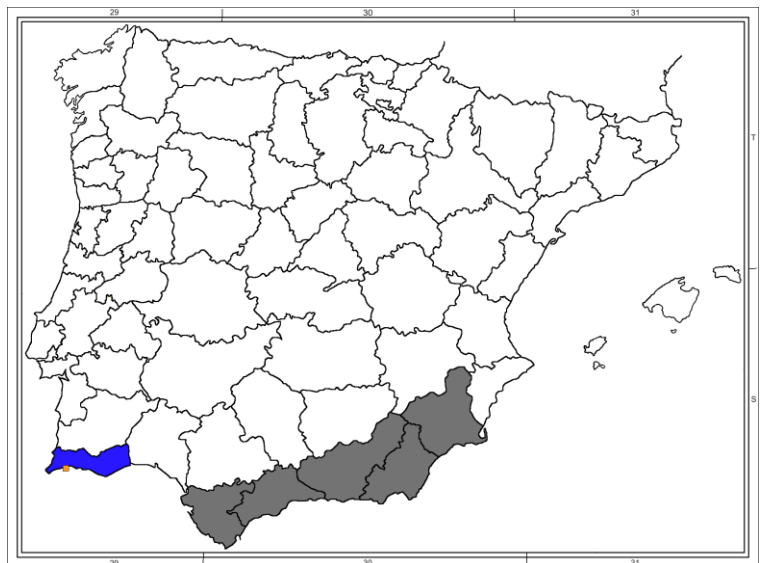
LENCINA, J.L.; ORTIZ, A.S. & RUBIO, R.M. 2006. Nuevas citas de Chrysomelidae (Coleoptera) de la región de Murcia (Sudeste de la Península Ibérica). *Boletín de la Asociación española de Entomología*, **30**(1-2): 201-206.

LINNAEUS, C. 1767. *Systema Naturæ Per Regna Tria Naturæ, Secundum Classes, Ordines, Genera, Species, Cum Characteribus, Differentiis, Synonymis, Locis. Tomo I, Pars II. Editio Duodecima, Reformata*. Holmiae. pp. 533-1327.

PETITPIERRE, E. 2000. *Coleoptera, Chrysomelidae I*. In: *Fauna Ibérica*, vol. 13. RAMOS, M.A. et al. (eds.). Museo Nacional de Ciencias Naturales. CSIC. Madrid. 521 pp.

REGALIN, R. & MEDVEDEV, L.N. 2010. *Tribe Clytrini Kirby, 1837*, pp. 564-580. In: LÖBL, I. & SMETANA, A. (eds.). *Catalogue of Palaearctic Coleoptera. Vol. 6. Chrysomeloidea*. Apollo Books, Stenstrup. 924 pp.

VALLADARES, L.; CALMONT, B.; SOLDATI, F. & BRUSTEL, H. 2013. Contribución al conocimiento de los coleópteros (Coleoptera) de la Provincia de Almería (Andalucía, sureste de España) -2ª nota-. *Boletín de la Sociedad Andaluza de Entomología*, **22**: 25-66.



**Map 1.** - Iberian distribution of *Lachnaia (Lachnaia) variolosa* (Linnaeus, 1767), with the previously known Spanish provinces (in grey), the new Portuguese district (in blue) and the UTM 10x10 km square of the collecting site (in orange).