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**A new record for *Eucera (Eucera) dalmatica* LEPELETIER, 1841 in
the Iberian Peninsula (Hymenoptera, Anthophoridae)**

F. Javier ORTIZ-SÁNCHEZ & Stuart P.M. ROBERTS

Abstract

A new record for *Eucera dalmatica* in Spain (Iberian Peninsula) is provided. Moreover, previous records by Dusmet are confirmed.

Key words: *Eucera dalmatica*, Hymenoptera, Anthophoridae, Iberian Peninsula.

Zusammenfassung

Ein neuer Nachweis von *Eucera dalmatica* für Spanien und eine Bestätigung für früher von Dusmet gemachte Angaben zu dieser Art.

Introduction

The genus *Eucera* SCOPOLI, 1770 has a palearctic distribution, and is abundant in the Mediterranean subregion, in arid and semi-arid habitats (PESENKO & SITDIKOV, 1990). It differs from other closely related taxa within the tribe Eucerini (in our fauna, *Synhalonia* PATTON, 1879 and *Tetralonia* SPINOLA, 1838) in possessing two submarginal cells in the fore wings (instead of three).

This species is very similar to *Eucera codinai* DUSMET, 1926, an Iberian endemic from which it differs, by being slightly larger, showing more strongly developed distal hair bands on the abdominal terga, a thicker punctation on the mesonotum, and with darker reflections on the tip the fore wings (DUSMET, 1926). The integument is black, with the exception of the tegulae and the apical tarsomeres which are brownish; in the male, most of the clypeus and all of the labrum are marked with yellow. *Eucera dalmatica* has been collected in the south of France on different *Echium* species (Boraginaceae) (BANASZAK & RASMONT, 1994). In Spain there are no data on its floral preferences, but they are likely to be the same ones. It is a univoltine species with a flight period extending from April to June in the Iberian Peninsula (DUSMET, 1928; BANASZAK & ORTIZ-SÁNCHEZ, 1993; data of this article); nevertheless, in the south of France this species appears later, having been found in July and August (BANASZAK & RASMONT, 1994). *Eucera dalmatica* has a broad distribution; it is known from Asia Minor, the steppes of Ukraine, Romania, Hungary and southern Europe (BANASZAK & ORTIZ-SÁNCHEZ, 1993), being abundant, for example, in the south of France (BANASZAK & RASMONT, 1994).

In the Iberian Peninsula there is a relict, fragmented population, isolated from the rest, and rarely reported. The bee was first recorded in the province of Ávila (Arenas de San Pedro; DUSMET, 1928, 1935) and later in the province of Murcia (Embalse del río Argos; BANASZAK & ORTIZ-SÁNCHEZ, 1993). Recently it has been collected for the first time in Andalusia in the province of Huelva, as it is detailed below. Moreover, we have examined the major part of the material in which Dusmet based the first record of the species in Spain, deposited in the Museo Nacional de Ciencias Naturales (Madrid; MNCN).

Results

Material studied

New record: Province of Huelva: Arroyo de Partido, Parque Nacional de Doñana (Almonte), 29SQB255127 (N 37°08'01" W 06°27'39"), 19-IV-2003, 1♂, S.P.M. Roberts leg. and coll.

Other material: Province of Ávila: Arenas S. Pedro, VI-1923, 2♂♂, J.M. Dusmet leg.; Arenas S. Pedro, VI-1927, 1♂, A. Schmidt leg.; Arenas S. Pedro, V-1927, 1♂, 2♀♀, A. Schmidt leg.; Arenas S. Pedro, VI-1928, 2♀♀, J.M. Dusmet leg. (MNCN collections; all specimens identified by Dusmet as *Eucera dalmatica*).

With the addition of these data, the known range of this species is extended considerably towards the southwest and allows one to suppose that it may also exist in Portugal. Moreover, its presence in the province of Ávila, recorded by Dusmet, has been

confirmed. Figure 1 shows the distribution map of this species in the Iberian Peninsula after the inclusion of the new data.

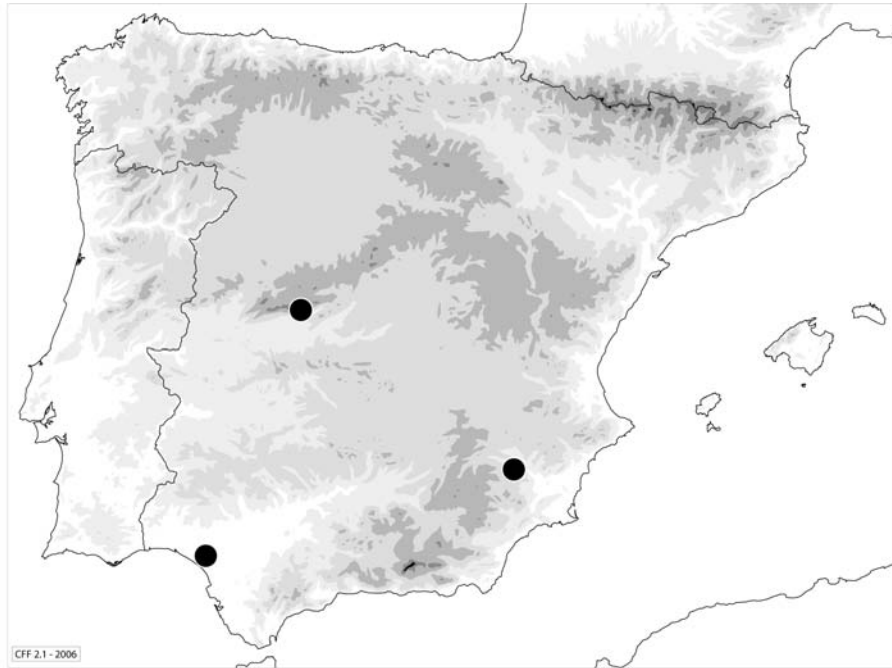


Fig. 1: Distribution map of *Eucera dalmatica* in the Iberian Peninsula (drawn by means of Carto Fauna-Flora 2.0; BARBIER & RASMONT, 2000).

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Authors' addresses:

Dr. F. Javier ORTIZ-SÁNCHEZ

Universidad de Almería, Grupo de Investigación

"Transferencia de I+D en el Área de Recursos Naturales"

E-04120 La Cañada de San Urbano (Almería, Spain)

E-mail: fjortiz@ual.es

Mr. Stuart P.M. ROBERTS

The University of Reading, School of Agriculture,

Policy and Development, Centre for Agri-Environmental Research.

Earley Gate. P.O. Box 237. Reading, RG6 6AR (United Kingdom)

E-mail: [spm@msn.com](mailto:spmr@msn.com)

Druck, Eigentümer, Herausgeber, Verleger und für den Inhalt verantwortlich:
Maximilian SCHWARZ, Konsulent f. Wissenschaft der O.Ö. Landesregierung, Eibenweg 6,
A-4052 Ansfelden, E-Mail: maximilian.schwarz@liwest.at.

Redaktion: Erich DILLER, ZSM, Münchhausenstraße 21, D-81247 München;
Fritz GUSENLEITNER, Lungitzerstr. 51, A-4222 St. Georgen/Gusen;
Wolfgang SCHACHT, Scherrerstraße 8, D-82296 Schöngeising;
Erika SCHARNHOP, Himbeerschlag 2, D-80935 München;
Johannes SCHUBERTH, Mannertstraße 15, D-80997 München;
Emma SCHWARZ, Eibenweg 6, A-4052 Ansfelden;
Wolfgang SPEIDEL, MWM, Tengstraße 33, D-80796 München;
Thomas WITT, Tengstraße 33, D-80796 München.

Adresse: Entomofauna (ZSM), Münchhausenstr. 21, D-81247 München; Tel. (089) 8107-0, Fax 8107-300.