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## **A review of the linyphiid spiders of Portugal, with the description of six new species (Araneae: Linyphiidae)**

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## Abstract

The following new species are described from Portugal: *Diplocephalus machadoi* Bosmans & Cardoso new species, *Diplocephalus marijae* Bosmans new species, *Maso douro* Bosmans & Cardoso new species, *Parapelecopsis conimbricensis* Bosmans & Crespo new species, *Pelecopsis monsantensis* Bosmans & Crespo new species and *Sintula iberica* Bosmans new species. The unknown males of *Lepthyphantes berlandi* Fage, 1931 and *Lepthyphantes bacelararum* Schenkel, 1938 are described and the species are transferred to the genera *Bordea* and *Obscuriphantes* respectively. The following new synonyms are proposed: *Lepthyphantes ollivieri* Denis, 1957 = *Obscuriphantes bacelararum* Fage, 1931 and *Trichopterna alticeps* Denis, 1952 = *Trichopterna cucurbitina* Simon, 1884. *Acartauchenius depressifrons* Simon and *A. nasutus* O. P.-Cambridge are redescribed and both transferred to the genus *Erigonoplus*. *Pelecopsis lunaris* Bosmans & Abrous is transferred to the genus *Parapelecopsis*. The following poorly known species are redescribed: *Erigonoplus castellanus* (O.P.-Cambridge), *Mecopisthes crassirostris* (Simon), *Palliduphantes bolivari* (Simon), *Palliduphantes stygius* (Simon), *Pelecopsis susanna* (Simon), *Trichoncus trifidus* Denis and *Walckenaeria dalmasi* (Simon).

In addition to the six new species described, the following 18 species are new to Portugal: *Alioranus pauper* (Simon), *Araeoncus toubkal* Bosmans, *Centromerus phoceorum* Simon, *Centromerus succinus* Simon, *Ceratinella brevis* Wider, *Drapetisca socialis* (Sundevall), *Entelecara acuminata* (Wider), *Meioneta mollis* (O.P.-Cambridge), *Micrargus herbigradus* (Blackwall), *Ouedia rufithorax* (Simon), *Palliduphantes cadiziensis* (Wunderlich), *Porrhomma pygmaeum* Blackwall, *Sintula furcifer* (Simon), *Tallusia experta* (O.P.-Cambridge), *Tapinocyba algerica* Bosmans, *Tapinopa disjugata* Simon, *Walckenaeria nudipalpis* (Westring) and *Walckenaeria obtusa* Blackwall. *Centromerus cinctus* (Simon), *Erigonoplus globipes* (L. Koch), *Mansuphantes mansuetus* (Thorell, 1875), *Meioneta rurestris* (C.L. Koch), *Oedothorax retusus* (Westring), *Palliduphantes cernuus* (Simon), *Parapelecopsis mediocris* (Kulczyn'ski), *Tenuiphantes tenebricola* (Wider), *Walckenaeria atrotibialis* (O.P.-Cambridge), *Walckenaeria dysderoides* (Wider) and *Walckenaeria erythrina* (Simon) all have been cited from Portugal in the past but are deleted from its list. The Portuguese linyphiid fauna presently counts 111 species.

**Key words:** Iberian Peninsula, linyphiid spiders, Portugal, Spain, taxonomy

## Introduction

Linyphiidae are among the smallest spiders and in mainland Portugal they have been poorly studied in the past. In the 19<sup>th</sup> century we can report only some small contributions by authors from other European countries. The first to contribute to the linyphiid spiders in Portugal was the British O.P.-Cambridge (1879) in describing *Erigone nasutus* as new species from Lisboa. The second author was the German Philip Bertkau (1893) with a paper on Portuguese spiders which included seven Linyphiidae. Finally, the French Eugène Simon (1898) added six Linyphiidae to the fauna of Portugal in a study of spiders found in the region of Porto. In the beginning of the 20<sup>th</sup> century, two contributions dealt with Portuguese Linyphiidae, both by non-Portuguese. The Polish Vladislav Kulczyn'ski (1911) described a new species from Portugal (*Linyphia lusitanica*), which later proved to be a junior synonym of *Linyphia maura* Thorell, 1875. The Spanish Franganillo Balboa (1920) published a paper including data on 3 species of Linyphiidae, one of them new to science but now a *nomen nudum*: *Linyphia ulicicolens* and further not taken into account.