

NEW BRYOPHYTE RECORDS FOR MAJORCA (BALEARIC ISLANDS). II.

Joan PERICÀS* & Josep A. ROSSELLÓ**

* Botany Area, Department of Biology, University of the Balearic Islands, E-07122 Palma de Mallorca, Spain. E-mail: vsprjpm@uib.es

** Jardí Botànic, Universitat de València. C/Quart 80, E-46008 València. & Marimurtra Bot. Garden, Carl Faust Fdn., PO Box 112, E-17300 Blanes (Girona, Spain). E-mail: rossello@uv.es

SUMMARY: New localities for several unknown and poorly-recorded bryophyte species from Majorca are here reported. *Archidium alternifolium*, *Cephaloziella stellulifera*, *Fossombronia caespitiformis* subsp. *multispira* and *Riccia crustata* are new records for Majorca. The distribution area of *Bryum pseudotriquetrum* and *Cryphaea heteromalla* in the Balearic Islands is enlarged. **Key words:** Bryophytes, Floristic, chorology, Majorca, Balearic Islands, Western Mediterranean

RESUMEN: Se indican nuevas localidades para diversas especies de briófitos que eran consideradas raras en Mallorca o en todo el archipiélago balear. *Archidium alternifolium*, *Cephaloziella stellulifera*, *Fossombronia caespitiformis* subsp. *multispira* y *Riccia crustata* son citadas por primera vez de Mallorca. El área de distribución en Baleares de *Bryum pseudotriquetrum* y *Cryphaea heteromalla* se ve incrementada. **Palabras clave:** briófitos, florística, corología, Mallorca, Islas Baleares, Mediterráneo occidental.

INTRODUCTION

The bryophyte flora of the Balearic Islands has received increasing interest since the first reliable records of CAMBESSÈDES (1827). Since then a considerable floristic knowledge has been gained and two check-lists of the Balearic flora have been published (VIVES, 1976; CROS & al., 2008). However, these compilations, seem far to provide a definitive account of the bryological flora of the Balearic archipelago. In this work we provide several interesting results of new field prospections conducted in Majorca that allow to increase the bryological knowledge of the island.

ADDITIONS

Archidium alternifolium (Hedw.) Mitt.

***MAJORCA:** 31SDE8707, Escorca, Puig d'en Galileu 1.000 m, carbonate-poor soils in a karstic landscape, under *Ampe-lodesmos mauritanica* (Poiret) T. Durand & Schinz plants, with *Polytrichum juniperinum* Hedw. and *Pleuridium acuminatum* Lindb., 10-II-2008, J.A. Rosselló (UIB-Briof 1067); 31SEE 1722, Pollença, Formentor, Pla de les Basses, 160 m, carbonate-poor soils, 28-II-2009, J. Pericàs & J.A. Rosselló (UIB-Briof 1126).

Previously known from Minorca island (CROS & al., 2008).

Bryum pseudotriquetrum (Hedw.) P.Gaertn., B.Mey. & Scherb.

MAJORCA: 31SDE8304, Escorca, wet soil under the artificial waterway between Cúber and Gorg Blau reservoirs, 895 m, 12-X-2008, *J. Pericàs* (UIB-Brief 1459).

In Mallorca the species was previously known from Mortitx (ROSSELLÓ, 1987).

Cephaloziella stellulifera (Taylor ex Spru-ce) Schiffn.

***MAJORCA:** 31SDE8707, Escorca, Puig d'en Galileu 1.000 m, carbonate-poor soils in a karstic landscape, under *Ampelodesmos mauritanica* plants, 29-I-2009, *J. Pericàs* & *J.A. Rosselló* (UIB-Brief 1094); 31SEE1722, Pollença, Formentor, Pla de les Basses, 160 m, carbonate-poor soils, 28-II-2009, *J. Pericàs* & *J.A. Rosselló* (UIB-Brief 1173).

Previously known from Minorca (SÁEZ & al., 2006b).

Cryphaea heteromalla (Hedw.) D. Mohr.

MAJORCA: 31SDE7797, Bunyola, Orient, 549 m, epiphyte on *Quercus ilex* L., 20-IX-2009, *J. Pericàs* (UIB-Brief 1389).

Previously known from L'Ofre (PERICÀS & ROSSELLÓ, 2009).

Fossombronina caespitiformis subsp. **multispira** (Schiffn.) J.R. Bray & D.C. Cargill

***MAJORCA:** 31SDE8707, Escorca, Puig d'en Galileu 1.000 m, carbonate-poor soils in a karstic landscape, under *Ampelodesmos mauritanica* plants, 10-II-2008, *J.A. Rosselló* (UIB-Brief 1038); 31SEE1722, Pollença, Formentor, Pla de les Basses, 160 m, carbonate-poor soils, 28-II-2009, *J. Pericàs* & *J.A. Rosselló* (UIB-Brief 1115).

Previously known from Eivissa island (SÁEZ & al., 2006a).

Riccia crustata Trab.

***MAJORCA:** 31SDD8158, Lluçmajor, Sa Silvina, Marina de Lluçmajor, 70 m, thin calcareous soil, on sunny and dry areas in

clearings of the littoral scrub, with *Riccia atromarginata* Levier and *R. lamellosa* Raddi, 11-I-2009, *J. Pericàs* (UIB-Brief 1017).

Previously recorded from single localities in Eivissa (BLOCKEEL & CRUNDWELL, 1987) and Formentera islands (CROS & al., 2007).

REFERENCES

- BLOCKEEL, T.L. & A.C. CRUNDWELL (1987) New bryophyte records from the Balearic Islands. *J. Bryol.* 14: 519–522.
- CAMBESSÈDES, J. (1827) Enumeratio plantarum, quas in insulis Balearibus collegit J. Cambessèdes, earumque circa mare mediterraneum distributio geographica. *Mém. Mus. Hist. Nat.* 14: 173-335.
- CROS, R.M., L. SÁEZ, M.J. CANO & M. BRUGUÉS (2007) Algunos briófitos nuevos o interesantes para las Islas Baleares. *Bol. Soc. Esp. Briol* 30: 25–32.
- CROS, R.M., L. SÁEZ & M. BRUGUÉS (2008) The bryophytes of the Balearic Islands: an annotated checklist. *J. Bryol.* 30: 74–95.
- PERICÀS, J. & J.A. ROSSELLÓ (2009) New and interesting records to the bryophyte flora of the Balearic Islands. *Cryptogamie, Bryol.* 30: 501-505.
- ROSSELLÓ, J.A. (1987) Notas sobre la brioflora balear. *Acta Bot. Malacitana* 12: 81-85.
- SÁEZ, LL., M. BRUGUÉS, C. CASAS, R.M. CROS & P. BALAGUER (2006a) Briófitos nuevos o interesantes para las Islas Baleares. *Bol. Soc. Esp. Briol.* 28: 11–23.
- SÁEZ, LL., M. BRUGUÉS, C. CASAS, R.M. CROS & P. BALAGUER (2006b) New bryological data from Balearic Islands. II. *Cryptogamie, Bryol.* 27: 387–394.
- VIVES, J. (1976) *Aproximació a la Flora dels Briòfits Balears*. Barcelona.

(Recibido el 10-II-2010)