

## Some interesting hepatics from the Pyrenees

Creu CASAS<sup>†</sup>, Montserrat BRUGUÉS\* & Rosa M. CROS

Botànica, Facultat de Biociències, Universitat Autònoma de Barcelona,  
08193-Bellaterra, Spain

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**Abstract** – New data on the occurrence of 7 hepatics in the Iberian Peninsula (*Cephaloziella loitlesbergeri*, *Jungermannia confertissima*, *Lophozia obtusa*, *Marsupella sprucei*, *Mylia anomala*, *Pleurocladula albescens* and *Scapania verrucosa*) are presented.

**Andorra / Chorology / Hepatics / Iberian Peninsula / Spain / Spanish Pyrenees**

**Resumen** – Aportamos nuevos datos sobre 7 hepáticas de la Península Ibérica (*Cephaloziella loitlesbergeri*, *Jungermannia confertissima*, *Lophozia obtusa*, *Marsupella sprucei*, *Mylia anomala*, *Pleurocladula albescens* y *Scapania verrucosa*).

**Andorra / Corología / España / Hepáticas / Península ibérica / Pirineos españoles**

### INTRODUCTION

Among the numerous works that have been published on the bryophytes of the Spanish and Andorran Pyrenees, those by Casas Sicart (1986) and Sotiaux & Schumacker (2002), the last one entirely devoted to hepatics, are the most important ones. These works include all the previous reports published for the Central Spanish Pyrenees and Andorra. In addition, Lloret (1989) focused on eastern Pyrenees, Infante Sánchez & Heras Pérez (2000, 2002, 2003-2004), Heras *et al.* (2004), Heras & Infante (2005) and Casas *et al.* (2006), also provided a valuable contribution to the bryophyte flora of this area.

The preparation of volume II of the *Flora dels Briòfits dels Països Catalans* (Casas *et al.*, 2004) involved the revision of a large amount of hepatic specimens, some of them collected in the Pyrenees. As a result of this work 6 new species to the Spanish Pyrenees and one to Andorra were recorded without a precise locality. These species are now reported including their localities in detail and some comments on their distribution in the Iberian Peninsula.

The species are alphabetically arranged. Localities are specified with the corresponding 10 × 10 Km UTM grid, altitude, collector, collection date, specimen number, ecology and distribution in the Iberian Peninsula. Nomenclature follows Grolle & Long (2000).

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\* Correspondance and reprints: Montserrat.Bruges@uab.cat

## RESULTS

### *Cephalozia loitlesbergeri* Schiffn.

Spain: Pallars Sobirà, Espot, Estany de Trescuro, 31TCH31, 2100 m, Casas 1982, BCB 52219, on rotting fir (*Abies alba* L.) stumps.

In the Iberian Peninsula, there is only one previous report of *C. loitlesbergeri* from Asturias (Fernández Ordóñez *et al.*, 2003).

### *Jungermannia confertissima* Nees

Andorra: Serrat Meligar, Torrent de la Font Roja, 31TCH71, 2000 m, Casas 1978, BCB 32460, on calcareous wet soil.

The sample from Port de Benasc (Central Pyrenees) collected by Zetterstedt and published as *Nardia scalaris* Gray (Zetterstedt, 1865) was revised by Váña (1974) as *J. confertissima*. The locality is on the border between Spain and France, and Zetterstedt did not mention the country in his work but for Spain this would be the only site. It is not known to occur in Portugal (Sérgio & Carvalho, 2003).

### *Lophozia obtusa* (Lindb.) A. Evans

Spain: Pallars Sobirà, Alins, 31TCH61, 1600 m, Casas & Ruiz 1998, BCB 49995, on shaded slope by stream. Vall d'Aran, Valarties, ascending to Estany de la Restanca, 31TCH22, 1750 m, Brugués, Cros, Barrón, Badía & Ruiz 1998, BCB 54107, on shaded rocks.

In the Pyrenees it has been reported from Andorra (Sotiaux & Schumacker, 2002) and in the rest of the Iberian Peninsula there are only three close sites from Cantabria, in the north of Spain (Allorge, 1941; Casas & Infante, 1998 and Fuertes *et al.*, 1998).

### *Marsupella sprucei* (Limpr.) Bernet

Spain: Pallars Sobirà, Norís, 31TCH61, 1200 m, Casas 1993, BCB 54024, wet slope in an oakwood.

The only Spanish site of this species, in Sierra de los Ancares (BCB 2012, Casas *et al.*, 1987), corresponded, after revision, to *M. funckii* (F. Weber & D. Mohr) Dumort. Sotiaux & Schumacker (2002) reported several localities of *M. sprucei* from Andorra, while Sérgio & Váña (1994) mentioned one locality from Portugal.

### *Mylia anomala* (Hook.) Gray

Spain: Baixa Cerdanya, Maranges, mountain hut on the way to Malniu, 31TDH00, 2100 m, Casas 1954, BCB 30318, peaty soils. Aigoamòg, Basa Nera, 31TCH32, 1800 m, Cros, Brugués & Ruiz 2005, BCB 55524, peaty soils.

In the Iberian Peninsula, *Mylia anomala* is reported from Cantabria (Infante *et al.*, 2006), Asturias (Allorge, 1927), León (Allorge, 1935) and Ourense (Reinoso & Rodríguez-Oubiña, 1988). In the Pyrenees it is also reported from Andorra (Sotiaux & Schumacker, 2002).

### *Pleurocladula albescens* (Hook.) Grolle

Spain: Alta Ribagorça, Benasc, La Renclusa, 31TCH02, 2100 m, Casas 1966, BCB 53940, at stream margins; Benasc, Paderna, Torrent de l'Alba, 31TCH02, 2350 m, Cros 1987, BCB 54357, in wet rock crevices. Vall d'Aran, Bossost, 31TCH13, 1300 m, Casas 1966, BCB 32521, on wet soil. Pallars Sobirà, Estany Gerber, 31TCH32, 2150 m, Lloret 1991, BCB 53938, on wet soil by mountain lakes.

These are the only records of *P. albescens* reported from the Iberian Peninsula.

***Scapania verrucosa* Heeg**

Spain: Ripollès, Planoles, 31TCH28, 1800 m, Casas 1964, BCB 5280, seep slope, by a spring in a *Pinus sylvestris* L. forest.

This is the only record of this species in the Iberian Peninsula, although this area of the Eastern Pyrenees was later studied by Lloret (1989) in depth.

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