

**Grimmia curviseta Bouman - Journal of Bryology 16: 379-382. 1991.**

**Type:** Spain, Tenerife, Las Cañadas del Teide, Degollada de Guajara, 2400 m, Jan. 1989, leg. G.M. Dirkse 5828, holotype U!; isotype, L!

**Distribution:** Afr.1

**Description**

*Grimmia curviseta* grows in dense, hoary patches with homomallous leaves, that are appressed, straight to slightly twisted when dry, erectopate when moist, obtusely keeled in upper part, oblong-lanceolate, suddenly contracted into hair-point, the costa is percurrent or vanishing into hair-point, the hair-points are long, flattened below and decurrent down margins, the margins are narrowly recurved in mid-leaf. The distal areolation is bistratose, mid-leaf cells are quadrate with slightly incrassate and sinuose walls, basal marginal cells are elongate-rectangular with thin smooth walls, basal juxtacostal cells are elongate-rectangular with thin smooth walls. The sexuality is autoicous, and capsules on short, arcuate setae are usually present, emergent, they are ovoid, smooth to slightly ribbed when moist, gymnostomous with mammillate to conical operculum.

**Discussion:**

*G. curviseta* is endemic to the Canary Islands. It was described from Tenerife, Las Cañadas, where it was found in north-facing volcanic rock crevices, at an altitude of about 2000 m. The species was already collected in 1973 by R. Düll, but not recognized as an undescribed species, and stored under *G. anodon*. There is some resemblance with *G. crinita* and especially with *G. arenaria*, but there are some important differences, especially the presence of a well-developed peristome in those species. *G. curviseta* is gymnostomous, and characterised by oblong-lanceolate perichaetial leaves with very long secund hair-points. It grows in flat tufts in which sterile plants are distinctly smaller, having much shorter hair-points than fertile plants.

**Specimens examined**

**Canary Islands.** Tenerife, Las Canadas, Teide, just behind cable station, alt. 2210 m, leg. R. Düll nr. 363 (teste F. Koppe), 31-12-1973; Tenerife, Las Canadas, Mt. Gangarro, alt. 2300 m, leg. A.C. Bouman; Tenerife, Boca de Tauce, N-facing rock fissure, alt. 2200 m, leg. A.C. Bouman, 04-04-2001; La Palma, Parque Nacional de la Caldera de Taburiente, Roque Chico, alt. 2310 m, leg. A.C. Bouman, 23-11-2003;

**References:**

Greven, H.C. 1995. *Grimmia* Hedw. in Europe. Backhuys Publishers, Leiden, The Netherlands.