

PHANEROGAMARUM MONOGRAPHIÆ TOMUS XXI

A Taxonomic Revision of the Section *Sideritis* (Genus *Sideritis*) (Labiatae)

by

CONCEPCIÓN OBÓN DE CASTRO and DIEGO RIVERA NUÑEZ

with 123 figures, 13 tables and 74 maps



J. CRAMER

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94299 (7088), MA 256287 (1892). - Sierra del Rebollarejo (Los Yebenes), 13-VI-1980, Rico and Sánchez, LOU 07340 (5963).

47- *Sideritis maireana* Font Quer and Pau ex Font Quer, in exsiccata, Dr. Font Quer-Iter Maroccanum, 1927, n° 533 (10-III-1928). 1927. (UC, MA, BM, 9001, 2454, 1524).

Type: *Hab. in saxosis arenaceis supra* Bu-Meziat (Atlante rhiphaeo), 1700 m alt.; 29 junii, 1927.

Typification: LECTOTYPE: Designated here, the specimen affixed to the left part of the sheet kept in the Herbarium UC (LA) 370030. (Registered No. 9001).

Synonyms:

= *Sideritis maireana* var. *carbonelli* Sennen and Mauricio ex Sennen Diagn. Pl. Esp. Maroc, 1933: 200, 1936 (July). Type: *Hab.*- Maroc: Atlas rifain Targuist, vers 1300 m. Leg: Sennen et Mauricio.

= *Sideritis maireana* fma. *carbonelli* Sennen and Mauricio ex Sennen, in exsiccata 1933 Plantes d'Espagne-F. Sennen, n° 8890. 1933. Type: *Hab.*- Maroc: Targuist, à Bab-Izugar (Atlas Rifain), 1250 m. (BM, 1523)

- *Sideritis maireana* var. *carbonelli* fma. *carbonelli* Sennen and Mauricio ex Sennen, in exsiccata 1933 Plantes d'Espagne-F. Sennen, n° 8890. 1933. (Nomen nudum; nomen invalidum, Art. 32.1.c) (MA, P, 2456, 109).

- *Sideritis maireana* fma. *carbonelli* Sennen and Mauricio, Cat. fl. Rif orient.: 90, 1933. (Nomen nudum; nomen invalidum, Art. 32.1.c).

- *Sideritis maireana* var. *ducellieri* Sennen and Mauricio, Cat. fl. Rif orient.: 147, 1933. (Nomen nudum; nomen invalidum, Art. 32.1.c).

Description: BASAL PARTS woody, persistent and erect; to 60 cm including branches. Non woody branches erect or ascendent, to 40-45 cm. Hair covering at the base of branchlets goniotrichous and homotrichous. Glands absent or very scarce, glandular hairs absent. Trichomes very scarce or scarce, retrorse, 400-800 µm, with 3-5 cylindrical cells, and 1 apical cell conical. LOWER LEAVES 20-40 x 2-4 mm, petiole absent, entire or serrulate, linear, obtuse. Glands absent to scarce, glandular hairs absent. Trichomes very scarce, indistinct in the margin or absent, 600-1100 µm, with 1-2 cylindrical cells, and 1 apical cell conical. UPPER LEAVES similar to the lower. AXILAR FASCICLES occasionally or absent during flowering time. BRANCHES without paracladies.

INFLORESCENCES with a yellowish tint in the angles of the axis, calyces and bracts, cylindrical, 2-8 cm, 3-8 verticillasters, the central pair 7-8 mm apart. On inflorescence axis, glands absent, glandular hairs (with thin or ample glands) abundant to very abundant. Trichomes very scarce, patent or retrorse, 400-700 µm, with 2-3 cylindrical cells, and 1 apical cell conical. LOWER BRACTS erecto-patent, ovate, with greatest width 1/5 above the base and basal emargination 1/20 x 1/6, cut 1/7, 15-17 x 14-16 mm, 10-13 teeth on each side. MIDDLE BRACTS erecto-patent, ovate, with greatest width 0-1/6 above the base and basal emargination 1/11 x 1/7, cut 1/7, 10-11(15) x 15-16(18) mm, 15-19 teeth on each side. Adaxial surface glabrous. Abaxial surface with glands absent, glandular hairs (with thin glands) absent to very scarce. Trichomes absent to very scarce, 100 µm, with 0-1 cylindrical cells, and 1 apical cell conical.

VERTICILLASTERS 6 flowered. BRACTEOLES absent. CALYCES campanulate, 7-8 mm, with five teeth divergent, subequal, 2 mm, ending in spines 1 mm. Carpostegium continuous. In the external surface of calyx: glands absent, glandular hairs (with thin or ample glands) abundant to very abundant. Trichomes very scarce, 800-1200 µm. COROLLAS 9-11 mm, 2-lipped in 1/3 of their length, upper lip white, entire or emarginate; lower lip yellow, divided in 3 unequal lobes; gorge yellow. STAMENS included in the corolla tube, filaments 1 mm. STYLE 4-5 mm.

CREMOCARPS ovoid, 1.8-2.2 mm.

CHROMOSOME NUMBERS: Unknown.

NOTE: Specimens with broader leaves have been included under variety or form *carbonellis*.

DISTRIBUTION: Endemic to the Rif (Secteur Targuist) (Province Atlásico-Rifeña) (Map 58).

PHENOLOGY: Flowering June-July, fruiting June-August.

HABITAT: Meso, supra-Mediterranean, humid, hyperhumid. 1200-1800 m. Scrub among the *Luzulo forsteri*-*Cedretum atlanticae* Barbero, M'Hirit, Quezel and Rivas-Martínez, 1981.

COMMON NAMES: Unknown.

USES: Unknown.

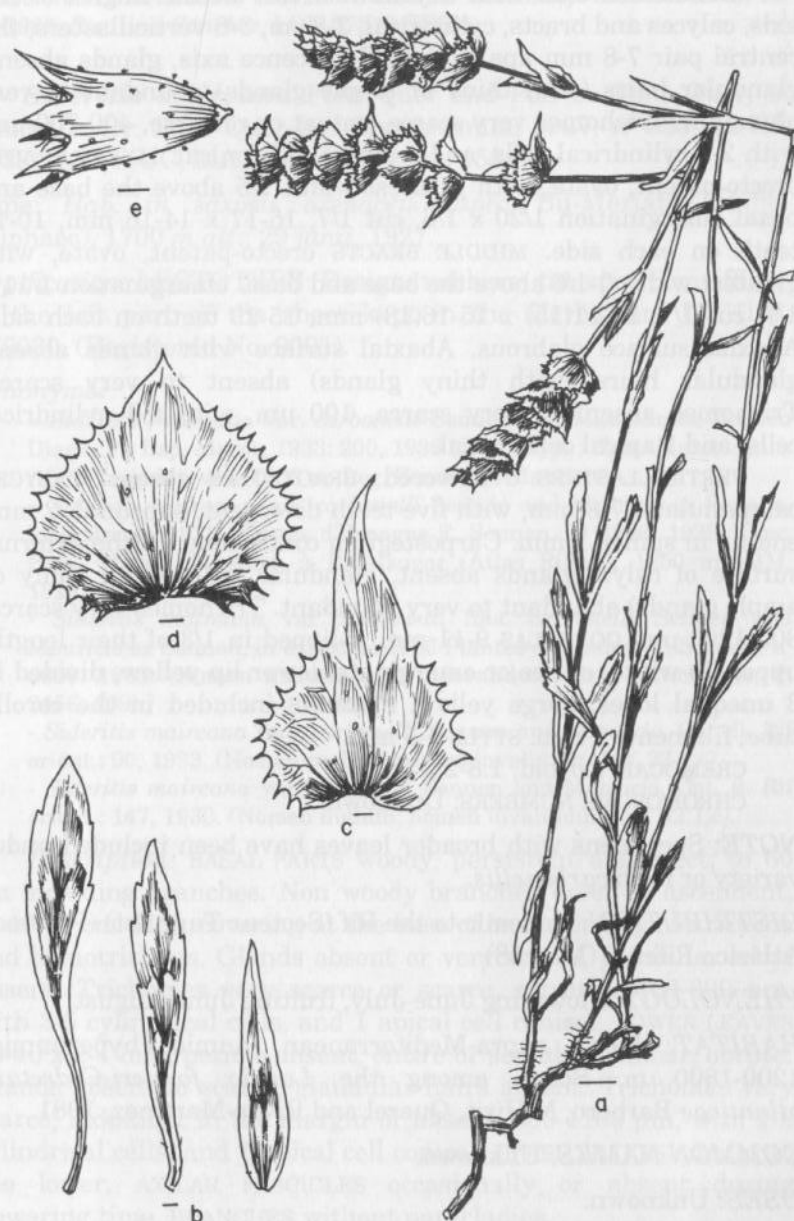


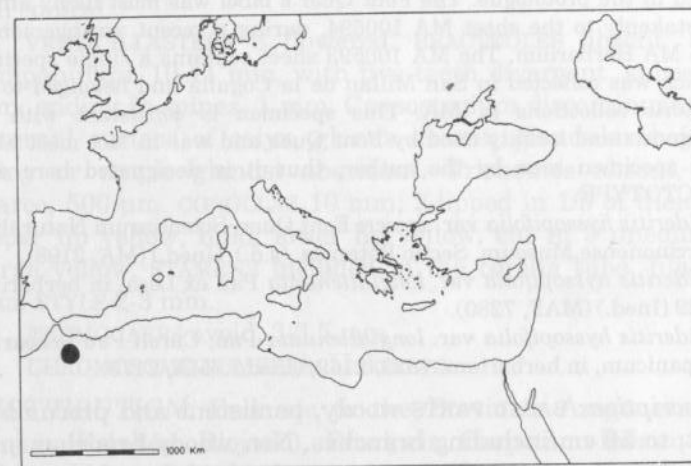
Figure 94. *S. maireana*: a. habit; b. leaves; c. lower bract; d. middle bract; e. calyx. Scale bars, a = 1 cm; b, c, d, e = 1 mm. (D. Rivera).

SPECIMENS STUDIED

MOROCCO:

Rif:

Bu Meziat, 8-VII-1927, *Font Quer*, GH (5816), LOU 06678 (5931), MAF 69024 (7341). - Bu-Meziat, 29-VI-1927, *Font Quer* 533, BM (1524), UC 370030 (9001), MA 100748 (2454). - Targuist (Bab-Izugar), 1933, *Sennen and Mauricio* 8890, MAF 32506 (7342), MAF 59879 (7343). - Targuist (Bab-Izugar), 20-VI-1933, *Sennen and Mauricio* 8890, BM (1523), MA 100749 (1)(2) (2455, 2456), P (109).



Map 58. Distribution map of *S. maireana*.

48- *Sideritis camaræ* (Pau) Sennen Diagn. Pl. Esp. Maroc, 1935: 263, 1936 (July).

Type: Hab.- Logroño: Peña Irasa, sol. pierreux calcaire, entre *Erinacea pungens*, 1300 m. Leg: Pr. F. Cámara. Exsiccata 9791.

Typification: LECTOTYPE: Designated here, the specimen affixed to the left part of the sheet 100580 kept in the Herbarium MA. This specimen is broken in its lower part.

Synonyms:

≡ *Sideritis hyssopifolia* var. *camaræ* Pau in Sennen, Diagn. Pl. Esp. Maroc, 1935: 263-264, 1936 (July). Type: Logroño, Peña Irasa sol. pierreux calcaires entre *Erinacea pungens*, 1300 m, Leg: Pr. F. Cámara. **Typification:** LECTOTYPE: Designated here, the specimen