

# PHANEROGAMARUM MONOGRAPHIÆ TOMUS XXI

To Dr. José Borja Carbonell  
In Memoriam

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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*Sennen and Mauricio 9731*, MA 161750 (2864). - Beni-Bu-Yahi (Djebel Kerker), 1934, *Sennen and Mauricio 9735*, MA 100732 (2861). - Beni-Bu-Yahi (Kerker), 16-VI-1934, *Sennen and Mauricio 9730*, MA 100731 (2858). - Beni-Bu-Yahi (Tagzuf), 21-VI-1932, *Sennen and Mauricio 8489*, MAF 32365 (7073), MAF 59851 (7095), MA 100729 (2857), BM (1429). - Beni-Bu-Yahi (Tagzuf), 21-VI-1932, *Sennen and Mauricio 8490*, MAF 59848 (7103), MA 100747 (2855), BM (1443), BM (1444). - Beni-Bu-Yahi, Afso Tagzif, 21-VI-1932, *Sennen and Mauricio 8493*, P (41). - Djebel Kerker (Beni-Bu-Yahi), 16-VI-1934, *Sennen and Mauricio*, COI-GENERAL (5302), COI-GENERAL (5299), P (9538). - Montes de Kebdana (Ain-Zaio), 1-VII-1933, *Sennen and Mauricio 8906*, P (9535). - Montes de Kebdana (Sidi Mimon), 12-VI-1934, *Sennen and Mauricio 9723*, BM (1450), MAF 60912 (7067), MAF 32364 (7080), P (9537), MA 100721 (2866). - Montes de Kebdana (Sidi-Mimon), 12-VI-1934, *Sennen and Mauricio*, COI-GENERAL (5303). - Beni-Bu-Iahí (Kudia Arneb), 29-V-1929, *Font Quer 374*, UC 420143 (9008). - Beni-Bu-Iahí (Kudia Arneb), 29-V-1929, *Font Quer 373*, UC 420142 (9009), BC 811112 (10384).

**61- *Sideritis luteola*** Font Quer, Trab. Mus. Ci. Nat. Barcelona, 5/4: 32, 1924 (May).

Type: *Hab. inter* El Nacimiento et Doña María, *Granatense Regno, in schistosis, ad* 900 m. alt., *ubi cel. Gros d. 12 junii* 1921, *legit.*

*Typification*: LECTOTYPE: Designated here the specimen affixed to the left part of the sheet kept in the herbarium K, which contains the following printed label which correspond with the *exsiccata* N° 74 Flora Ibérica Selecta of Font Quer.

*Synonyms*:

= *Sideritis arborescens* subsp. *luteola* (Font Quer) P.W. Ball ex Heywood, Bot. J. Linn. Soc., 65: 355, 1972.

= *Sideritis arborescens* var. *luteola* (Font Quer) Font Quer, Trab. Mus. Ci. Nat. Barcelona, 5/4: 34, 1924 (May).

*Description*: BASAL PARTS woody, persistent and erect; to 60-65 cm including branches. Non woody branches erect or ascendent, to 50 cm. Hair covering at the base of branchlets goniotrichous and heterotrichous. Glands absent or very scarce, glandular hairs absent. Trichomes absent, very scarce or scarce, patent or retrorse, 100-300 µm, with 1-2 cylindrical cells, and 1 apical cell conical. LOWER LEAVES 10-15(20) x 1-2 mm, petiole absent, dentate, oblanceolate or spatulate, obtuse or acute. Glands scarce or abundant, glandular hairs absent. Trichomes absent or very scarce, absent in the margin, 200 µm, with 1 cylindrical cells, and 1 apical cell conical. UPPER LEAVES similar to

the lower. AXILAR FASCICLES, occasional or absent during flowering time. BRANCHES generally without paracladialies

INFLORESCENCES with a yellowish tint in the angles of the axis, calyces and bracts, cylindrical, 4-20 cm, 5-14 verticillasters, the central pair 10-15 mm apart. On inflorescence axis, glands absent, scarce or very scarce, glandular hairs (with thin or ample glands) absent to scarce. Trichomes scarce or very scarce, patent or retrorse, 300-600 µm, with 1-3 cylindrical cells, and 1 apical cell conical. LOWER BRACTS, erecto-patent, ovate, with greatest width 0-1/5 above the base and basal emargination 1/6 x 1/5, cut 1/5, 5-8 x 10-13 mm, 4-7 teeth on each side. MIDDLE BRACTS erecto-patent, ovate, with greatest width 1/5-1/4 above the base and basal emargination 1/6 x 1/6, cut 1/3, 5-7 x (9)10-11(12) mm, 9-10 teeth on each side. Adaxial surface glabrous. Abaxial surface with glands absent or very scarce, glandular hairs (with thin glands) absent to scarce. Trichomes very scarce, 500-1000 µm, with 1-2 cylindrical cell, and 1 apical cell conical.

VERTICILLASTERS 6 flowered. BRACTEOLES absent. CALYCES campanulate, 6-8 mm, with five teeth divergent, subequal, 2-3 mm, ending in spines 1 mm. Carpostegium continuous. In the external surface of calyx, glands scarce or abundant, glandular hairs (with thin or ample glands) very scarce or scarce. Trichomes very scarce, 900-1100 µm. COROLLAS 7-9 mm, 2-lipped in 1/3 of their length, upper lip yellow, emarginate or notched; lower lip yellow, cut in 3 unequal lobes; gorge yellow. STAMENS included in the corolla tube, filaments 1 mm. STYLE 2-3 mm.

CREMOCARPS ovoid, 1.8-2.2 mm.

CHROMOSOME NUMBERS: Unknown.

*DISTRIBUTION*: Endemic to the Provincia Bética (Sector Nevadense) (Map 70).

*PHENOLOGY*: Flowering May to June and fruiting June to July.

*HABITAT*: Meso, supra-Mediterranean, dry, subhumid. 800-1000 m. BAETIC SILICEOUS CLIFFS: (*Phagnalo-Rumicetalia, Asplenietea trichomanis*) (Rivas-Martínez, Asensi, Molero and Valle, 1991). GENISTA UMBELLATA: Community characterized by *Anthyllis cytisoides* and *Genista umbellata* (*Anthyllido-Salsolion papillosae, Anthyllidetalia, Rosmarinetea*) (Pallarés, 1990).

*COMMON NAMES*: SPAIN: **Almería**: Zahareña fina (s) (Pallarés, 1990).

USES: SPAIN: Almería: Decoction stomachic (Pallarés, 1990).

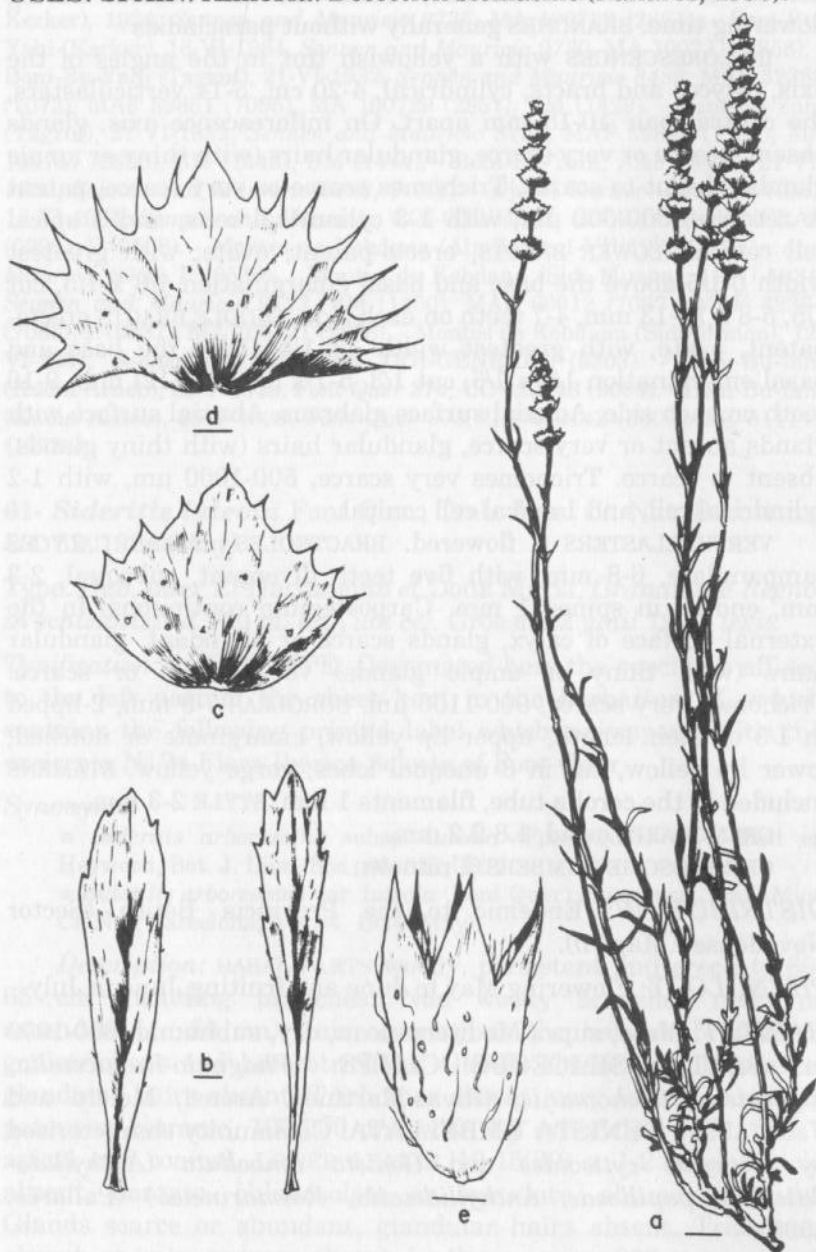


Figure 115. *S. luteola*: a. habit; b. leaves; c. lower bract; d. middle bract; e. calyx. Scale bars, a = 1 cm; b, c, d, e = 1 mm. (D. Rivera).