

14. *S. chudaei* Battand. & Trab. in Bull. Soc. Bot. France 53: xxx, t.10 (1907).
 Syn.: *S. tibestiensis* A. Cheval. in Bull. Soc. Bot. France 78:322 (1931).
S. chudaei var. *tibestiensis* (A. Cheval.) Maire in Bull. Mus. Paris sér. 2, 4:908 (1932).
S. chudaei var. *tefedestica* Maire in Bull. Soc. Hist. Nat. Afr. Nord. 23:205 (1932).

Type. Algeria: Ahaggar mts., Tit, 6 viii, *Chudeau*.

lc.: Battandier & Trabut, Atlas Fl. Alger. 3: t.37 (1913); Ozenda, Fl. Sahara 406, t.149 (1958).

Ref.: Mém. Soc. Hist. Nat. Afr. Nord. 3:186 (1933); Mém. Inst. Fr. Afr. Noire 8:51 (1950); Ozenda, Fl. Sahara 405 (1958); Quezel & Santa, Nouv. Fl. Algér. 2:794 (1963).

Suffruticose much branched herb, 30–60 cm. *Stems* leafy, brittle, above and below with simple, eglandular, retrorse hairs and oil globules, more frequent below. *Leaves* simple, narrow linear, 20–30 × c. 2 mm, thick-textured, undulate-crenate, revolute, on both surfaces with very short simple eglandular hairs and numerous oil globules; leaves sessile or with an indistinct petiole. *Verticils* up to 8, c. 4-flowered, up to 13 mm apart below, numerous and approximating above. *Floral leaves* ovate, slightly acuminate, c. 3 × 0.7 mm; bracts absent. *Pedicels* up to 1.5 mm. *Calyx* ovate-campanulate, up to 4 mm, elongating to c. 6 mm in fruit, c. 14-veined, with a very dense indumentum of long spreading white eglandular hairs, shorter around calyx teeth, and oil globules; upper lip with three subequal teeth, c. 0.7 mm; lower lip with two 2 mm acuminate-subulate teeth. *Corolla* violet-blue to deep purple, up to 7 mm; upper lip small, straight; lower lip as long as upper; tube annulate c. 1.5 mm from base. *Staminal connectives* 0.5 mm; filaments 1 mm; lower thecae fertile, very small; staminodes prominent. *Nutlets* black, trigonous, c. 2 × 1 mm, mucilaginous on wetting. *Fl. Mar.* Sandy and gravel wadi beds, basalt rocks. Frequent from 1000–2000 m. Algeria (Ahaggar), Libya/Chad (Tibesti).

ALGERIA. Ahaggar: Taharanet, 10 iii 1931, *Meinertzhagen* s.n.! (BM). S of Ideles, *Hunting Technical Services* 33 (01)! (E). Oued Tit, *Chudeau*. Tefedest, Tehi-n-Beidigen, *Maire* 953 (type of var. *tefedestica* Maire). Near Fort Gardel, *Popov* 60/157! (BM). Oued Tamanrasset, *Meinertzhagen* 116! (K, BM).

LIBYA/CHAD. Tibesti: Without exact locality, *Chevalier* (type of *S. tibestiensis*). Tarso Tousside, ann. 1957, *Grove* s.n.! (K).

CHAD. Tibesti, mountains E of Bardai, *Hinchingbrooke* 68! (K).

S. chudaei is, together with *S. deserti* and *S. aegyptiaca*, a member of this xerophytic and very distinct species-group which Briquet called section *Notiosphace*. The group as a whole contains about eleven currently recognised species which in their distribution are essentially Saharo-Sindian marker species.

S. chudaei is probably closest to *S. santolinifolia* Boiss., found from Iran to Sind, but has much narrower, longer leaves, the verticils are usually crowded and the flowers have very short pedicels. Its relationships to the only other African representatives of the section, *S. aegyptiaca* and *S. deserti* are considerably more distant.