

It is proposed to name this new genus *Taeckholmia* in honour of Dr. VIVI TÄCKHOLM, Professor of Systematic Botany, Faculty of Science, Cairo University, who inspired and encouraged the writer to study this group of plants.

Taeckholmia BOULOS gen. nov.

Frutex erectus ad 2 m altus, praesertim ad basim ramosus. *Folia* ad apicem rami sterili vel basim rami floriferi dense fasciculata, glabra vel ad basim juvenalia raro puberula, non auriculata, in lobis angustissimis profunde dissecta. *Capitula* parva, numerosa, pauciflora; corolla flava, ligula tubo longiora. *Bractae* involucri non vel vix imbricatae. *Achenium* parvum, rugosum, compressum, utrinque plus minusve 4-costatum, apice et basin versus attenuatior; forma achenia in eadem capitulum variabilis. *Pappus* deciduus, disco albo cum protuberatio centrali insidens; setae scabrosae formae diversae. *Pollinis* granulæ typi speciali characteristici. $n=9$, $2n=18$.

Frutescent erect plants, 50—200 cm high, branching mainly at the base, branches solid, often stick-like; *leaves* \pm densely grouped at the summits of vegetative branches or at the base of flowering shoots, glabrous or rarely pubescent at the base of the juvenile ones, not auricled, 2—20 cm long, deeply dissected into narrow lobes 0.2—2 mm broad (rarely up to 6 mm broad); *peduncle* 3—30 mm long, \pm 1 mm diameter, cylindrical, hollow, with \pm 4 bracts; *heads* numerous, 3—7 mm long, rarely longer, 2—4 mm in diameter before anthesis, longer and broader during anthesis; *flowers* 12—29, yellow, ligule longer than corolla tube; *involucral scales* 10—30, not or slightly imbricated, the outer scales 1—4 mm long (rarely longer), \pm triangular, with thick base, the inner ones 5—9 mm long, narrowly rectangular, thin, with 4 intermediate ones in the species with imbricated scales; *achene* 1.7—2.5 mm long, \pm 0.6 mm broad, attenuated towards both ends, rugose, compressed, with \pm 4 ribs on each side, of variable shape within the same capitulum, thus narrowly oblanceolate, \pm narrowly elliptic, \pm narrowly rectangular, erect or curved; *pappus* deciduous, 3.5—6 mm long, inserted on a white disc with a central protuberance, composed of different types of scabrous hairs; pollen grains of a special characteristic type; $n=9$, $2n=18$.

TYPE SPECIES: *Taeckholmia pinnata* (L.f.) BOULOS comb. nov.

BASEONYM: *Prenanthes pinnata* L.f. Suppl. Plant. 1781: 347.

Two subgenera are recognized:

I. Subgenus **Taeckholmia**

Frutescens. *Folia* in lobis 0.2—1 mm latis dissecta. *Capitulum* 3—7 mm longum, 1.2—3 mm latum. *Flores* flavi, 12—19 in capitulo. *Ligula* corollae tubo duplo vel plus longiora. *Bractae involucri* 10—15, interiorae et exteriorae dissimiles. *Achenium* 1.7—2.5 mm longum. *Pappus* 2.5—2.75 mm longus, deciduus.

TYPE SPECIES: *Taeckholmia pinnata* (L.f.) BOULOS.

Frutescent: leaves dissected into lobes 0.2—1 mm broad; *capitulum* 3—7 mm long, 1.2—3 mm broad; *flowers* yellow, 12—19 per head; *ligule* double or more the length of corolla tube; *involucral scales* 10—15, distinguished into outer and inner scales; *achenes* 1.7—2.5 mm long; *pappus* 2.5—2.75 mm long, deciduous.

II. Subgenus **Pseudodendrosonchus** BOULOS subgen. nov.

Frutescens. *Folia* in lobis 1—6 mm latis dissecta. *Capitulum* 6—12 mm longum, 3—4 mm latum. *Flores* flavi, 15—29 in capitulo. *Ligula* corollae tubo (sed minus duplo) longiora. *Bractae involucri* 19—30, interiorae, intermediae et exteriorae dissimiles. *Achenium* plus minusve 2.5 mm longum. *Pappus* 4—6 mm longus, deciduus.

TYPE SPECIES: *Taeckholmia heterophylla* BOULOS sp. nov.

Frutescent, *leaves* dissected into lobes 1—6 mm broad; *capitulum* 6—12 mm long, 3—4 mm broad; *flowers* yellow, 15—29 per head; *ligule* longer than (but less than double) the corolla tube; *involucral scales* 19—30, distinguished into outer, intermediate and inner scales; *achene* \pm 2.5 mm long; *pappus* 4—6 mm long, deciduous.

KEY TO THE SUBGENERA

- 1 A. Leaf lobes 0.2—1 mm broad, ligule double or more the length of corolla tube *Taeckholmia*
 1 B. Leaf lobes 1—6 mm broad, ligule less than double the length of corolla tube *Pseudodendrosonchus*

KEY TO THE SPECIES

Subgenus *Taeckholmia*

- 1 A. Leaf lobes flat, 0.5—1 mm broad, head over 4 mm long
 2 A. Flower 7.5—9 mm long, pappus 3.5—5.75 mm long .. *T. pinnata* 1.
 2 B. Flower 7 mm long, pappus 2.5—3 mm long *T. canariensis* 3.