

Supplement to a Revision of *Calycolpus* (Myrtaceae).

A revision of *Calycolpus* (Myrtaceae), a group of 15 species, is being published in *Systematic Botany* (Landrum in press). It is not possible to include complete lists of specimens examined in that journal so such a list is provided here. This list may aid curators in identifying unknown or misidentified specimens in their herbaria, so a key to the species is also provided to help in that effort.

KEY TO SPECIES

1. Hypanthium densely covered with hairs, these sometimes minute.
 2. Bracteoles ovate to suborbicular, persisting until at least anthesis.
 3. Leaves mainly under 7 cm long and 2.3 cm wide, with lateral and marginal veins faint; Pará, Brazil. *C. andersonii*
 3. Leaves mainly over 10 cm long and 4 cm wide, with prominent laterals and marginal veins.
 4. Calyx closed in the bud; opening irregularly in 2 or 3 parts; Ecuadorian Amazon. *C. aequatorialis*
 4. Calyx open with usually 5 lobes; Guyana, Suriname, and Pará, Brazil. *C. surinamensis*
 2. Bracteoles narrowly lanceolate to linear, not usually persisting beyond anthesis.
 5. Leaves sessile to subsessile, the petiole 0-1 mm long.
 6. Flowers sessile or subsessile, the peduncles 0-1 mm long; hairs up to ca. 1 mm long; bracteoles ovate to linear-lanceolate, tomentulose, 3-5 mm long; Bahia, Brazil. *C. sessiliflorus*
 6. Flowers pedunculate, the peduncles 10-20 mm long; hairs up 0.1-0.8 mm

long; bracteoles triangular, puberulent, 0.5-1.5 mm long; Venezuela *C. bolivarensis*

5. Leaves petiolate, the petiole 1-6 mm long.

7. Calyx-lobes triangular, not two parted, 3-5 mm long; stamens 38-70; style ca. 5 mm long; disk 2-4 mm across.....*C. alternifolius*

7. Calyx-lobes two parted (divided into a base and an appendage) or not obviously so, usually well over 5 mm long; stamens usually 75 or more; style 5-12 mm long; disk 3-9 mm across.

8. Calyx-lobe bases much wider than the appendages.

9. Flower buds 6-8 mm long; stamens ca. 75; petals ca. 0.5 cm long; lateral veins indistinct; seeds 2.5-3 mm long; Venezuela, Guyana.....

C. cochleatus

9. Flower buds usually 8-12 mm long; stamens ca. 200-300; petals 1.2-2 cm long; lateral veins visible; seeds 1.5-2 mm long; Ecuador, Colombia, and Venezuela in Andes..... *C. moritzianus*

8. Calyx-lobe bases about as wide as the appendages.

10. Leaves 1.7-5.3 cm long; petals 1.5 cm long; peduncles 1.5-3 cm long; Minas Gerais, Brazil. *C. australis*

10. Leaves 5-10 cm long; petals less than 1 cm long; peduncles up to ca. 1.5 cm long; Guyana, Venezuela..... *C. cochleatus*

1. Hypanthium glabrous, sparsely strigose or sparsely pubescent basally.

11. Calyx closed or nearly so in the bud, tearing into 4 or 5 lobes at anthesis; bracteoles suborbicular, 2-3 mm long, persisting well after anthesis..... *C. andersonii*

11. Calyx open with 5 lobes in the bud; bracteoles variously shaped, if as broad or broader than long and persistent (*C. legrandii*), then 12-17 mm long.

12. Calyx-lobes broadly rounded to obtusely triangular, 1-2 mm long, as wide or wider than long, without a foliaceous appendage, the inner surface covered with appressed hairs, at least over proximal half..... *C. calophyllus*

12. Calyx-lobes elliptic, narrowly elliptic, or subovate, 3-10 mm long, longer than wide, a large portion of the calyx-lobe (sometimes nearly all) a foliaceous appendage, the inner surface glabrous or covered with hairs and/or scales at the base only.

13. Bracteoles foliaceous, broadly ovate, exceeding the hypanthium in length, persistent; Alagoas, Bahia, and Sergipe, Brazil. *C. legrandii*

13. Bracteoles reduced, inconspicuous, triangular to linear, mostly shorter than the hypanthium, persistent or not; northern South America (including the Amazon region) and Central America.

14. Calyx-lobes with an inconspicuous base, the appendage, ovate or elliptic, widest at about the middle; peduncles often over 2 cm long, often in clusters of 6 or 8; style usually over 1 cm long; tertiary veins of leaves (those smaller than the laterals) usually clearly visible*C. goetheanus*

14. Calyx-lobes with an evident base that clasps the globe of the closed corolla and a spreading appendage, this triangular to linear-lanceolate, widest proximally; peduncles usually less than 2 cm long, usually solitary or in pairs; style usually not exceeding 1 cm long; tertiary veins of leaves usually not clearly visible.

15. Bracteoles linear to narrowly elliptic, 1-5 mm long; petals ca. 0.5 cm long; peduncles ca. 0.5 mm wide; appendage of calyx-lobe narrowly triangular, 1.5-3

mm wide..... *C. roraimensis*

15. Bracteoles subtriangular, 1-3.5 mm long; petals 1-2 cm long; peduncles ca. 1 mm wide; appendage of calyx-lobe oblong, elliptic-oblong, triangular, or linear-triangular, 3-5 mm wide.

16. Inner surface of calyx-lobe base appressed pubescent to villose; leaves coriaceous, the lateral veins sometimes not distinguishable; young twigs 4-winged; stamens ca. 140-240, the anthers with about 20 glands; ovules per locule ca. 11-33; seeds usually more than 30, 2.5-3 mm long; Guianas

..... *C. revolutus*

16. Inner surface of calyx-lobe base appressed puberulent; leaves subcoriaceous, the lateral veins usually distinguishable; young twigs terete or weakly 4-winged; stamens ca. 110-140, the anthers with ca. 60-90 glands; ovules per locule 29-40; seeds usually fewer than 30, ca. 4 mm long; Central America. *C. warszewiczianus*

NUMERICAL LIST OF TAXA

1. *Calycolpus aequatorialis* Landrum
2. *Calycolpus alternifolius* (Gleason) Landrum
3. *Calycolpus andersonii* Landrum
4. *Calycolpus australis* Landrum
5. *Calycolpus bolivarensis* Landrum
6. *Calycolpus calophyllus* (HBK) O. Berg
7. *Calycolpus cochleatus* McVaugh
8. *Calycolpus goetheanus* (DC.) O. Berg

9. *Calycolpus legrandii* Mattos
10. *Calycolpus moritzianus* (O. Berg) Burret
11. *Calycolpus revolutus* (Schauer) O. Berg
12. *Calycolpus roraimensis* Steyerm.
13. *Calycolpus sessiliflorus* Landrum
14. *Calycolpus surinamensis* McVaugh
15. *Calycolpus warszewiczianus* O. Berg

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