

FOLIA TAXONOMICA 14. NOTES ON *PASSIFLORA* SUPERSECTION *COCCINEA*
(PASSIFLORACEAE) FROM THE GUIANA SHIELD

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ABSTRACT

New collections and expanded distributions are given for three species of *Passiflora* supersect. *Coccinea* from the Guiana Shield, *P. compar*, *P. longicuspis* and *P. tecta*.

RÉSUMÉ

Des collections nouvelles étendent la répartition de trois espèces de *Passiflora* supersect. *Coccinea* du Bouclier Guyanais, *P. compar*, *P. longicuspis*, et *P. tecta*.

During a field trip in French Guiana in March 2009, we had the opportunity to study the collections at CAY. Some interesting specimens of *Passiflora* species belonging in subg. *Passiflora* supersect. *Coccinea* Feuillet & J.M. MacDougal are worth mentioning as they represent recently described and poorly collected species (Vanderplank 2006; Feuillet 2007, 2008). This triggered a reexamination of the specimens representing species of supersect. *Coccinea* with unlobed leaves at US and in the herbarium associated with the greenhouses holding the National Collection of *Passiflora* (United Kingdom). The new data presented here expand the known distribution area for those species.

1. *Passiflora compar* Feuillet, J. Bot. Res. Inst. Texas 1:821. 2007.

Passiflora compar is easily separated from other species of supersection *Coccinea* by its leaves that are much thinner and from most other species by the corona with 2 rows of red or pink filaments 5–7 mm long.

Additional collection: **FRENCH GUIANA:** near the Arataye River, Montagne des Nouragues, around camp, edge of helicopter pad, 200 m, 6 Jan 2003, fl., S.A. Mori et al. 25527 (CAY, NY); Saül, vicinity of Eaux Claires, 3°37'N, 53°12'W, ca. 300 m, 16 Feb 1993, fl., S.A. Mori et al. 23004 (NY, US).

Distribution and phenology.—*Passiflora compar* is known in Guyana from the Upper Takutu–Upper Essequibo Region, Kanuku Mts., from the Potaro–Siparuni Region, near Kato, and in French Guiana from the upper Maroni basin, Saut Lavaud, from the Saül area, Eaux Claires, and from Montagne des Nouragues. It inhabits moist forest below 400 m of elevation, near rivers or on slopes. It is expected to be present in Surinam. *Passiflora compar* was blooming in January, February, March, September, and November; it was fruiting in February and March.

2. *Passiflora longicuspis* Vanderplank, Curtis's Bot. Mag. 23:232; pl. 563. 2006.

Passiflora longicuspis is characterized by the corona filaments, 22–26 mm long, reaching the ovary on top of the androgynophore. It is also one of the few with crenate leaf margins, one of the few with small bracts, and one of the few with colored outer corona filaments.

Additional collection: **FRENCH GUIANA:** Cayenne, Mont Baduel, 10 m, 2 Jun 1987, fl., M. Hoff 5222 (CAY); Piste de St. Élie, Mar 2003, fl., R.J.R. Vanderplank & S.E. Vanderplank 1762/09 (National Collection of *Passiflora* herbarium).

Distribution and phenology.—The type of *P. longicuspis* from the British National Collection of *Passiflora* originated in French Guiana from Route de St Élie, near the Sinnamary River. The new collections are from Mont

Baduel situated inside the administrative limits of the city of Cayenne and from the hills SW of Sinnamary near the type locality. It was blooming in March and June.

3. *Passiflora tecta* Feuillet, J. Bot. Res. Inst. Texas 2:281. 2008.

In the supersection, *P. tecta* is characterized by its leaf blades that are bi-serrate with the serrations tipped with glands, its corona in 3 rows of filaments, and the 2 outer rows that are deep red with the outmost row 12 mm long and the middle row 9 mm long.

Additional collections: **VENEZUELA. Bolivar:** Roscio Distr., between San Francisco de Yuruaní and Chirimatá, 5°02'N 61°00'W, 1100 m, 2 Mar 1984, fl., *O. Huber 9154* (US). **GUYANA. Cuyuni – Mazaruni:** Ayanganna Plateau, 740 m, 19 Jul 1960, fl., *S.S. Tillett et al. 44873* (NY, US); Groete Creek, Lower Essequibo River, 26 Jun 1944, fl., *D.B. Fanshawe 4728 (F1992)* (NY, US); Ridge of Eagle Mountain, 5°12'N 59°07'W, 304–685 m, 10 Oct 1990, fr., *T. McDowell 3472* (US). **Essequibo Isl. – W Demerara:** Lower Tiger Creek, 6°30'N 58°39'W, 0–15 m, 12 Dec 1992, fl., *T.W. Henkel 485* (US). **Potaro – Siparuni:** Essequibo River, Karupukari Crossing, 4°40'N, 58°41'W, 60–75 m, 19 Apr 1992, fl. & fr., *B. Hoffman 1345* (US); Iwokrama Rainforest Reserve; N of Surama, 4°10'N, 59°3'W, 200 m, 20 May 1995, fl., *C. Ehringhaus 89* (CAY, US). **Upper Demerara – Berbice:** 16–22 km from Ituni along Ituni - Kwakwani Road, 5°25'N, 58°10'W, 70 m, 19 Jan 1990, fl., *L.J. Gillespie et al. 3086* (CAY, US). **SURINAM. Sipaliwini:** vicinity of Blanche Marie Waterfall, 4°45'20"N 56°54'19"W, 60 m, 3 Feb 1998, fl., *J.S. Miller et al. 9304* (MO, US)

Two more specimens from plants having a pale band on the outer corona row probably represent the same species.

SURINAM. Brokopondo: Brownsberg, 1997, fl., *NCP 1086/06* (National Collection of *Passiflora* herbarium). **UNITED KINGDOM:** cultivated from seed collected in Surinam, National Collection of *Passiflora* greenhouses, 2000, *NCP 1302/08* (National Collection of *Passiflora* herbarium).

Distribution and phenology.—*Passiflora tecta* is now known from the State of Bolívar in Venezuela, from Guyana, and from northern Sipaliwini and perhaps Brokopondo in Surinam. It was blooming in January, February (photograph only), April to July, and September; it was in fruit in February (photograph only), April, and October.

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