Trichotosia dongfangensis (Orchidaceae), a new species from China

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Trichotosia dongfangensis X.H. Jin & L.P. Siu, sp. nova (Figs. 1 and 2)

Habitu Trichotosia microphylla Bl. subsimilis, sed duas purpurea callis in centro labio, in apice labio nullo conico callo.

TYPE: China. Hainan, Dongfang, Houming Mountains, epiphytic, 14.XI.2003 Hong Kong Kadoorie Program Team 5536 (holotype KUN!; isotype PE!).

Epiphytic. Rhizome creeping, branched, ca. 1.5 mm in diam. Stems about 1 cm apart, 3–8 cm long, with 5 to 7 rather small leaves closely arranged in two rows. Leaves fleshy, oblong to lanceolate, acuminate, about 10 × 5 mm, with a dense cover of white hairs all over, including sheaths. Inflorescence lateral, single-flowered. Floral bracts 4, subulate, hairy, 1–3 × 1 mm. Peduncle 4 mm long. Pedicel and ovary 1 mm long. Flower yellowish green; sepals coarsely hairy on the outside; dorsal sepal narrowly elliptic, 3 × 2 mm, obtuse; lateral sepals unevenly triangular, 5 × 3 mm, truncate; petals 2.5 × 1.5 mm, lanceolate, glabrous, acute; lip fleshy, entire, tongue-shaped, rounded, hairy, slightly concave at base, with a semi-globose callus at base and two purple callosities in center, 7 × 3 mm. Column semi-terete, 1.2 mm long, column-foot 4 mm long. Pollinia 8, ovate, yellow, 0.5 mm long. Fruit not seen.

Trichotosia dongfangensis is very similar to T. microphylla and T. dalatensis. All of those have creeping rhizomes, branched stems and...
an entire, tongue-shaped lip. However, it is not
difficult to distinguish the new species from the
latter two. *Trichotosia microphylla* and *T. dalat-
ensis* have an abaxial conical callus at lip-apex,
but such a callus is lacking in *T. dongfangensis*;
instead, it has two purple calli in the center of
the lip.

Fig. 1. *Trichotosia dongfangensis* (from holotype). — a:
Plant. — b: Lateral view of flower. — c: Dorsal sepal.
— d: Petal. — e: Lip.

Fig. 2. *Trichotosia dongfangensis*, photographed in
situ.

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Reference

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