

OLSON, M. E., J. A. LOMELÍ S., AND N. IVALÚ CACHO. 2005. Extinction threat in the *Pedilanthus* clade (*Euphorbia*, Euphorbiaceae), with special reference to the recently rediscovered *E. conzattii* (*P. pulchellus*). *American Journal of Botany* 92(4): 634-641.

APPENDIX 2. Updated description of *Euphorbia conzattii*.

*Euphorbia conzattii* V. W. Steinm. Acta Bot. Mex. 65: 48. 2003.

Basionym: *Pedilanthus pulchellus* Dressler. Contr. Gray Herb. Harvard Univ. 182: 111. 1957. Type: Cerro Espino, Distr. Pochutla, Oaxaca, alt. 1200 m a.s.l., 12 April 1917, C. Conzatti, B. P. Reko and E. Makrinius 3106 (holotype US, image at website, <http://mobot.mobot.org/W3T/Search/vast.html>; isotype MEXU!).

Illustration of a recent collection is given in Fig. 3.

Shrub ca. 1 m tall, monopodial, glabrous, evergreen. Main stem light brown, intricately branched above the base. Apical branches 1.5–2.5 mm diameter, green, glabrous, their nodes separated by 1.0–3.7 cm. Leaves with cream-colored inconspicuous stipules; petiole 3–5 mm long and ca. 1 mm diameter, glabrous, channeled, not keeled beneath; lamina 4.1–11.3 cm long, 1.6–3.7 cm wide, oblong to elliptic, glabrous, lustrous, base cuneate, margin lightly revolute, apex acute with a brown nectary; the upper surface canaliculate throughout on midvein, lower surface keeled, nervation inconspicuous in most leaves. Monochasia apical, the rachis 2–4 mm long containing 3 cyathia or less but only one of them well developed, nodes separated by 1–3 mm. Bracts 6–7 mm long and ca. 3–4 mm wide, ovate, deciduous before anthesis, red, glabrous on both surfaces or sometimes the lower surface tomentulose when young and keeled on the midvein, base truncate, margin tomentose, apex acute. Cyathia with peduncle 5–8 mm long and less than 1 mm in diameter, tomentulose to tomentose; involucre tomentulose to glabrescent, blazing red-orange, concolorous; spur projecting 5–9 mm from the peduncle, red; medial spur lobes parted, 5–8 mm long tapering to apex, ca. 1 mm wide at the proximal part and 0.5 mm wide at apex, tomentulose on the outside and densely tomentose inside, apex truncate; accessory involucre lobes 7–11 mm long, tomentose; involucre tube 7–13 mm long; mentum absent; glands four, two lateral and two medial. Staminate flowers with pilosulose pedicels 7.5–13 mm long and four longitudinal wings; staminal filaments pink. Pistillate flower with pedicel 3.7–9 mm long, not accrescent; ovary ellipsoidal, ca. 2–3 mm long, inserted; style 6–7.5 mm long, filiform, glabrous to scantily tomentulose, red; stigmatic branches 0.5–1 mm long, bifid, red. Capsule 6–7 mm long, exocarp pale green, concolorous, smooth, and lentiginose, exerted between the accessory involucre lobes on a pedicel 8.5–9 mm long. Seeds globose, ca. 4 mm long and 3.5–4 mm in diameter, seed coat dull brown, its surface pustulate, cream colored, base truncate, ventral side with a superficial depression on each side of the raphe, hilum whitish, ca. 1 mm long, raphe dull brown ca. 4 mm long, apex rostrate, rostrum ca. 0.5 mm long.