

Idimanthus E.G.Gonç.

Marcus A Nadruz Coelho

Jardim Botânico do Rio de Janeiro; mnadruz@jbrj.gov.br

Este tratamento é composto pelos seguintes táxons: *Idimanthus*, *Idimanthus amorphophalloides*.

COMO CITAR

Coelho, M.A.N. 2020. *Idimanthus* in **Flora do Brasil 2020**. Jardim Botânico do Rio de Janeiro. Disponível em: <http://floradobrasil.jbrj.gov.br/reflora/floradobrasil/FB604917>.

DESCRIÇÃO

Geophytic herb, glabrous. Stem tuberous, hypogaeous, producing a few cataphylls, then producing a foliage leaf or an inflorescences. Foliage leaves one or three per plant, petiole spreading; leaf blade sagittate-cordate, venation reticulate, commonly silvery variegate. Inflorescence solitary, erect at anthesis, peduncle usually shorter than the petiole; spathe erect, not at all constricted; spadix basally adnate to the spathe, female portion completely adnate to the spathe, laxly flowered, male portion free from spadix, densely flowered, staminoidal or flowerless zones absent. Flowers unisexual, naked, male flowers 1-androus, thecae subglobose and opening at the apex by a pore, pollen grain inaperturate, psilate, ellipsoid; female flowers without staminodes, ovary ovoid, pistil 1-locular, ovule solitary, anatropous, inserted at the base of the locule. Inflorescence with persistent spathe, berries with spongy pericarp, seeds ovoid, embryo straight, endosperm copious.

COMENTÁRIO

The monotypic genus *Idimanthus* (Araceae-Caladieae) is represented by the species *Idimanthus amorphophalloides*, It differs from all Caladieae by its connective ending in a rostrate beak turned downward, but the combination of cormous geophytic stem, copious endosperm, densely arranged fertile flowers and sterile flowers densely arranged in an apical appendix did not match any other genera in the tribe. It was collected in a marble outcrop in Northern Rio de Janeiro state, in the county of Italva, nearby the city of Cardoso Moreira as an understory herb. The aspect of leafless inflorescences with a long apical staminoidal area appearing directly from the soil is remarkably peculiar for Southeastern Brazilian aroids.

Forma de Vida

Erva

Substrato

Terrícola

DISTRIBUIÇÃO

Nativa, é endêmica do Brasil

Domínios Fitogeográficos

Mata Atlântica

Tipos de Vegetação

Floresta Estacional Semidecidual

Distribuição Geográfica

Ocorrências confirmadas

Sudeste (Rio de Janeiro)

BIBLIOGRAFIA

Phytotaxa 351 (1): 88-92. 2018

Idimanthus amorphophalloides E.G.Gonç.

DESCRIÇÃO

Geophyte herb in deciduous forest. Stem tuberous, hypogeous, tuber 1.0–1.2 X 1.5–2.0 cm, producing 2–3 lanceolate cataphylls; roots numerous, whitish, 1–4 mm diam, appearing mostly at the apex of the tuber. Leaves: cataphylls, 0.8–1.0 X 0.2–0.3 cm, foliage leaf with petiole 2–5 X 0.2–0.3 cm, pale green, inconspicuously sheathed only at base, leaf blade ovate-sagittate overall dimensions 5–7 X 4.5–6.0 cm, semi-glossy medium green adaxially, matte and withish, anterior division 4.5–5.6 X 4.5–6.0 cm, primary nerves 2–3 per side, arising at an angle of 42–50°, interprimary nerves poorly visible, higher order venation reticulate, posterior divisions 1.5–2.3 X 2.2–3.0 cm, acroscopic veins 1–3, basisopic veins 0–2, basal costa denuded by 1–3 mm. Inflorescences appearing before leaves, peduncle 1.0–1.3 X 0.2–0.4 cm, Spathe broadly ovate to subcordate, 2–3 X 1.2–1.5 cm, weakly cymbiform, acuminate and rostrate at apex, off-white to pinkish beige, sometimes with shades of grey, reticulated with reddish nerves. Spadix up to 4 cm long, apical staminoidal portion densely flowered, 1.8–2.0 X 0.1–0.5 cm, cylindrical, greyish brown to yellowish brown, round at apex, weakly to strongly dimorphic, 3–5 rows of basal staminodes usually larger than apical ones, fertile male portion densely flowered, 0.8–2.0 X 0.2–0.4 cm, conical to barrel shaped or cylindrical, 1.2–1.3 X 0.2–0.4 cm, usually concolorous with staminoidal portion or a little clearer, female portion densely flowered, 0.7–0.9 X 0.2–0.4 cm, barrelshaped, about 3/4 adnate to the spathe, yellowish cream. Apical sterile flower fungus shaped, 1-androus but sometimes appearing as an amorphous synandrium. Male flower 1-androus, each comprising a short filament, 3–5 X 0.3–0.6 mm, mm, thecae globose, ca. 0.3 mm diam., opening by an apical round pore, connective flattened, somewhat irregular, ending in a rostrate beak turned downward. Female flowers barrel shaped, greenish white, 1.0–1.5 X 0.3–0.5 mm, stigma button shaped, yellowish at anthesis, ochre after, 1.0–1.4 cm diam., covered by short trichomes, style 0.3–0.4 X 0.3 mm, ovary regular or obliquely disposed, c. 0.5–0.6 X 1.0–1.5 mm, 1-loculed, 1-ovuled, ovule anatropous, funicle covered by trichomes. Fruit a spongy utricle, white, obovate, 0.7–0.8 cm. Seed ovoid, 0.5–0.9 X 0.3–0.4 cm, tegument coppery brown, thin, endosperm copious, embryo straight.

Forma de Vida

Erva

Substrato

Terrícola

DISTRIBUIÇÃO

Nativa, é endêmica do Brasil

Domínios Fitogeográficos

Mata Atlântica

Tipos de Vegetação

Floresta Estacional Semidecidual

Distribuição Geográfica

Ocorrências confirmadas

Sudeste (Rio de Janeiro)

MATERIAL TESTEMUNHO

I.G. Costa, 276, RB, Rio de Janeiro, **Typus**