

NEW SPECIES OF THE GENUS *PSEUDOEURYSTYLES* (ORCHIDACEAE) FROM BRAZIL

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Abstract: A new species of *Pseudoeurystyles* (Orchidaceae, Spiranthinae) from Brazil – *P. ochyrana* – is described and illustrated. Its taxonomic affinities are briefly discussed.

Key words: Orchidaceae, Spiranthinae, *Pseudoeurystyles*, Brazil

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The genus *Pseudoeurystyles* Hoehne differs from *Eurystyles* Wawra mainly in gynostemium structure, especially the rostellum and viscidium. Two of us discussed these differences extensively (Szlachetko & Rutkowski 2000). In *Pseudoeurystyles* the viscidium is produced from the central part of the rostellum, hence after its removal a furcate structure remains. In *Eurystyles* the viscidium is formed at the apex of the rostellum and is usually suspended over its inner surface, so that the rostellum remnant is foveolate or shallowly notched at the apex. Despite these differences, most authors still unite the genera, following Garay (1982).

Revising herbarium materials from South America deposited in BR, we found specimens that in our opinion represent a new species.

Pseudoeurystyles ochyrana Szlach., Mytnik & Rutk., *sp. nov.*

A specie arcte affini P. splendissima recedit labello in parte centrali leniter incrassato, supra basin abrupte dilatato, inter epichilium et hypochilium sinu praedito, petalis falcatis, sepalis lateralibus strictis, viscidio duplo longiore et foliis non ciliatis.

Plant hanging, delicate. Leaves forming a basal rosette; petiole 1.5 cm long, narrow; blade 3.5 cm long, 8 mm wide, lanceolate, acute, thin, delicate,

glabrous, margins glabrous. Cauline sheaths 2, ciliate. Inflorescence 1 cm long, 0.3 mm in diameter, few-flowered. Flowers glabrous, not resupinate. Floral bracts 1.5 cm long, ovate-lanceolate, acute, ciliate, thin, delicate. Ovary 2 mm long. Dorsal sepal 6.3 mm long, 1.2 mm wide, oblong-lanceolate, obtuse, thin, obscurely 3-nerved. Petals 6 mm long, 1 mm wide, linear, shortly and obscurely apiculate, falcate in the upper half, adnate to the dorsal sepal. Lateral sepals 7 mm long, 1.2 mm wide, ribbon-like, rounded at apex, straight, thin, delicate, single-nerved. Lip abruptly widened and concave just above the base, constricted in the apical third between the hypochile and epichile, the constriction papillate; hypochile 5 mm long, 2.2 mm wide, more or less pandurate, slightly thickened in the center; epichile 1.7 mm long, 2 mm wide, elliptic, papillate. Gynostemium 5 mm long, showing the characteristics of the genus. Anther 3.8 mm long, oblong-ovate. Rostellum 2 mm long, oblong-triangular. Viscidium 1.3 mm long. Rostellum remnant furcate (Fig. 1).

TYPE: BRAZIL. PROV. SAO PAULO, Itatinga, Sierra de Botucatu, *sine dat.*, Hummel 3 (HOLOTYPE: BR).

ETYMOLOGY. The species is dedicated to Professor Ryszard Ochyra, an eminent Polish botanist.

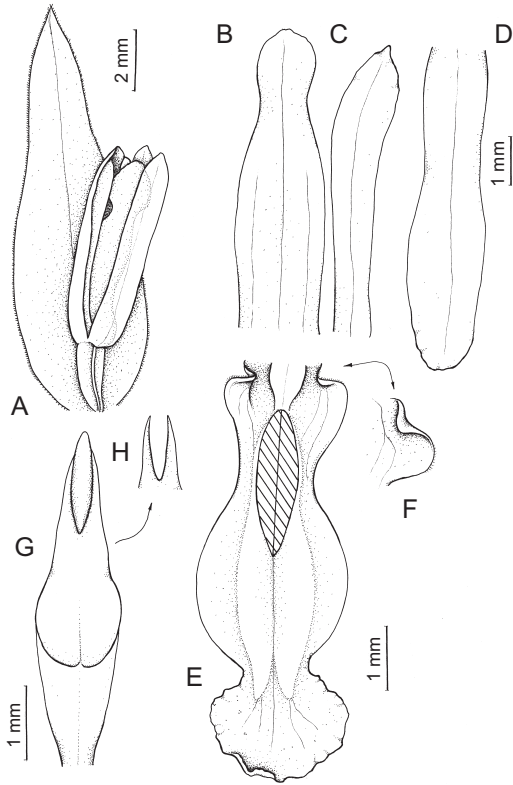


Fig. 1. *Pseudeurystyles ochyrana* Szlach., Mytnik & Rutk.: A – flower, B – dorsal sepal, C – petal, D – lateral sepal, E – lip, F – details of the lip base, G – gynostemium, bottom view, H – rostellum remnant (all drawn from Hummel 3, BR – holotype).

DISTRIBUTION. Known so far from the type collection only.

NOTES. The new species is related to *Pseudeurystyles splendissima* (Szlach.) Szlach. & R. Gonzalez T. (*Eurystyles splendissima* Szlach.), from which it differs in several evident features. In particular, the lip of *P. ochyrana* is devoid of the large central red thickening characteristic of *P. splendissima*. Additionally, it is abruptly widened just above the base, there is a constriction between the hypochile and epichile, the petals are falcate in the upper half, the lateral sepals are straight and the leaves are not ciliate. The viscidium of *P. ochyrana* is about twice as long as that of *P. splendissima*.

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