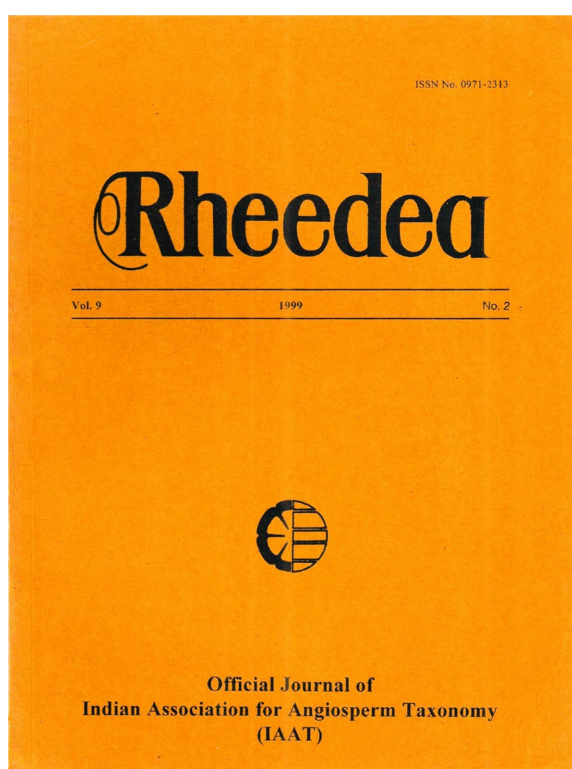




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***Zeuxine affinis* (Lindl.) Benth. ex Hook.f. (Orchidaceae) - a new record for Peninsular India**

N. Sasidharan, K.P. Rajesh¹ and Jomy Augustine²

Kerala Forest Research Institute,
Peechi 680 653, Kerala, India.

Abstract

Zeuxine affinis (Lindl.) Benth. ex Hook.f. (Orchidaceae) is reported for the first time from Peninsular India and described with illustrations.

INTRODUCTION

Our recent studies on the flora of the Senduruny Wildlife Sanctuary in Kerala yielded many interesting plant records. *Zeuxine affinis* (Lindl.) Benth. ex Hook.f., from the Shenduruny Wildlife Sanctuary is reported here as a new record for Peninsular India. Brief illustrative account of the species is given for easy identification.

***Zeuxine affinis* (Lindl.) Benth. ex Hook.f.**, Fl. Brit. India 6 : 108. 1890 & Ic. Pl. t. 2177. 1894; Seidenf., Dansk Bot. Ark. 32 : 88. 1978 (Fig. 1).

Etaeria affinis Lindl., Wall. Cat. No. 7383. 1832, *nom. nud.*

Monochilus affinis Lindl., Gen. Sp. Orch. 487. 1840. pp.

Terrestrial herbs, 20-30 cm tall. Leaves 3-4 x 1-1.5 cm, ovate or elliptic acute, sheathing at base. Peduncle 15-25 cm long, pubescent. Bracts 6 x 1.5 mm, ovate acuminate, pubescent. Flowers white, 2 x 1 cm; sepals pubescent without; dorsal sepal 6 x 5 mm, ovate, obtuse; lateral sepals 6 x 5 mm, elliptic, obtuse; petals 6-6.5 x 2.5 mm, falcately oblong-obtuse, connate with dorsal sepal; lip 11 x 10 mm, saccate at base with two cylindrical acute glands; epichile 2-lobulate; lobules each 7 x 3.5-4 mm, obovate or obconical, truncate, wavy along margins; column 5 x 2.5 mm; stigmatic lobes two fleshy protuberances, marginal; rostellum 1 x 0.3 mm, oblong-ovate-oblong, slightly curved. Ovary with pedicel 1.5 cm long.

Flowering : January - February.

Occurrence : Very rare in evergreen forests.

¹Department of Botany, University of Calicut, Kerala, 673635

²Department of Botany, St. Thomas College, Pala, Kottayam, Kerala

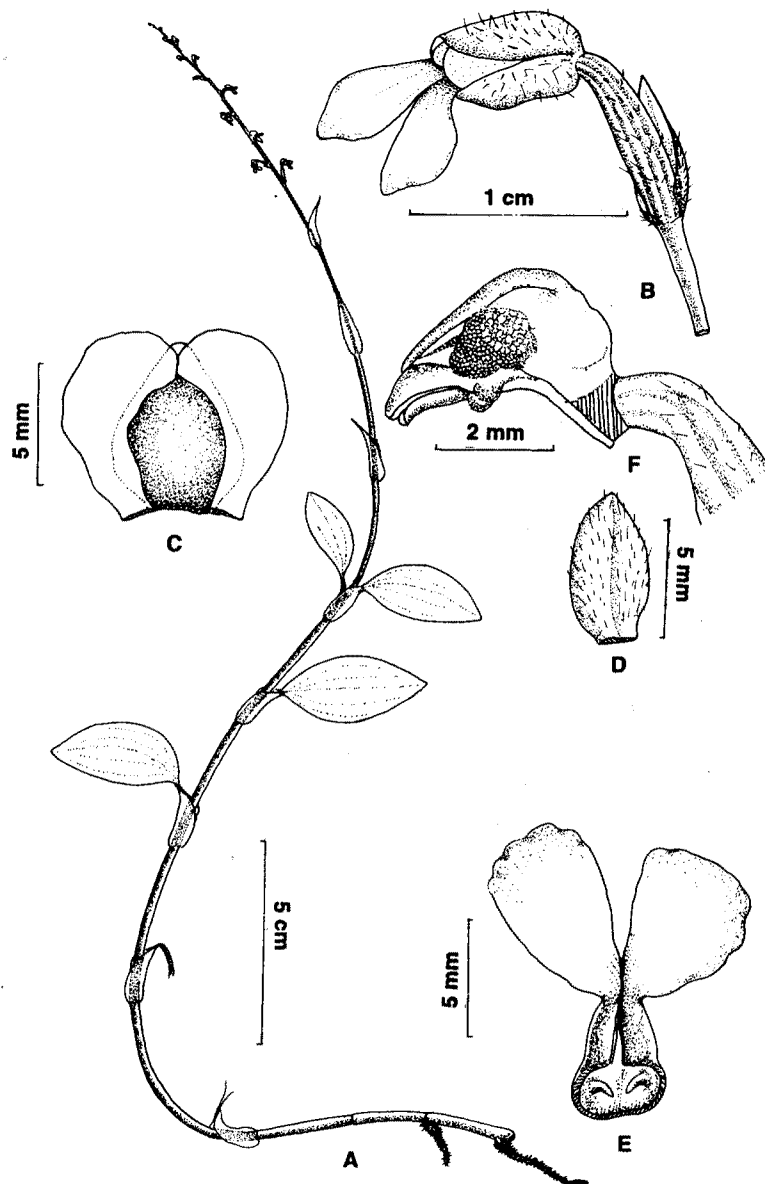
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Fig 1. *Zeuxine affinis* (Lindl.) Benth. ex Hook.f. (A-F): A. Habit; B. Flower; C. Dorsal sepal and petals; D. Lateral sepal; E. lip, F. Column.

Zeuxine affinis

Specimens examined : Shenduruny Wildlife Sanctuary, Quilon district, Kerala, $\pm$ 1400 m, 19.02.1995, N. Sasidharan 11439 (KFRI)

Note : This species is reported from India (Sikkim, Meghalaya), Bhutan, Burma, Bangladesh, Thailand, Laos and Peninsular Malaysia (Seidenfaden, 1978, Seidenfaden & Wood, 1992). It differs from *Z. longilabris* (Lindl.) Benth. ex Hook.f., having obovate or obconical lobules of lip with wavy margins. Our specimens have larger lip compared to Seidenfaden (1978).

Acknowledgements

We are thankful to Dr. J. J. Wood, Royal Botanic Gardens, Kew for critical comments on the identity of the specimens. The study has been carried out with the financial assistance from the Wildlife Wing of Kerala Forest Department. Illustration is prepared by Mr. V.B. Sajeew. One of us (KPR) is thankful to CSIR, New Delhi, for the award of Senior Research Fellowship.

Literature cited

- Seidenfaden, G. 1978. Orchid Genera in Thailand. 6. *Neottioideae* Lindl. *Dansk Bot. Ark.* 32 : 78-93.
- Seidenfaden, G. & J.J. Wood. 1992. *The Orchids of Peninsular Malaysia and Singapore*. Olsen & Olsen, Fredensborg.