

**FLOWERING OF *CHIMONOCALAMUS LONGIUSCULUS*
(POACEAE: BAMBUISOIDEAE)
IN EXPERIMENTAL GARDEN OF BOTANICAL SURVEY OF INDIA, ITANAGAR**

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Chimonocalamus longiusculus Hsueh & T.P. Yi has recently been recorded from India on the basis of vegetative collection (Mao & Bhaumik, 2010). Earlier it was known as endemic to China (Hsueh & Yi, 1979; Dezhru & Stapleton, 2006). During botanical exploration in Apatani Plateau, Lower Subansiri district Arunachal Pradesh the species was collected in 2008 and germplasm was conserved in the experimental Garden of Botanical Survey of India, Arunachal Pradesh Regional Centre, Itanagar. In December 2011 the plant flowered in the Experimental Garden. A brief description, of the inflorescence, flowers, floral parts along with their photographs and illustration are presented here with. (Fig.1 & 2)

Chimonocalamus longiusculus Hsueh & T.P. Yi, Acta Bot. Yunnan. 1(2): 80. 1979; A.A. Mao & Bhaumik, Nelumbo 52: 150. 2010.

Inflorescence panicle, 6 - 10cm long, erect on terminal part of the leafy twigs; peduncle stout; rachilla 4 - 5mm long, stout, bilaterally flattened, pubescent, scabrous at margin; spikelet linear, 2.5 - 5cm long; floret 4 - 7, linear to narrowly elliptic-lanceolate, 9 - 10 × 1-1.2mm, acuminate. Lower glumes green, cartilaginous,



Fig. 1. *Chimonocalamus longiusculus* Hsueh & T.P. Yi : Flowering twig

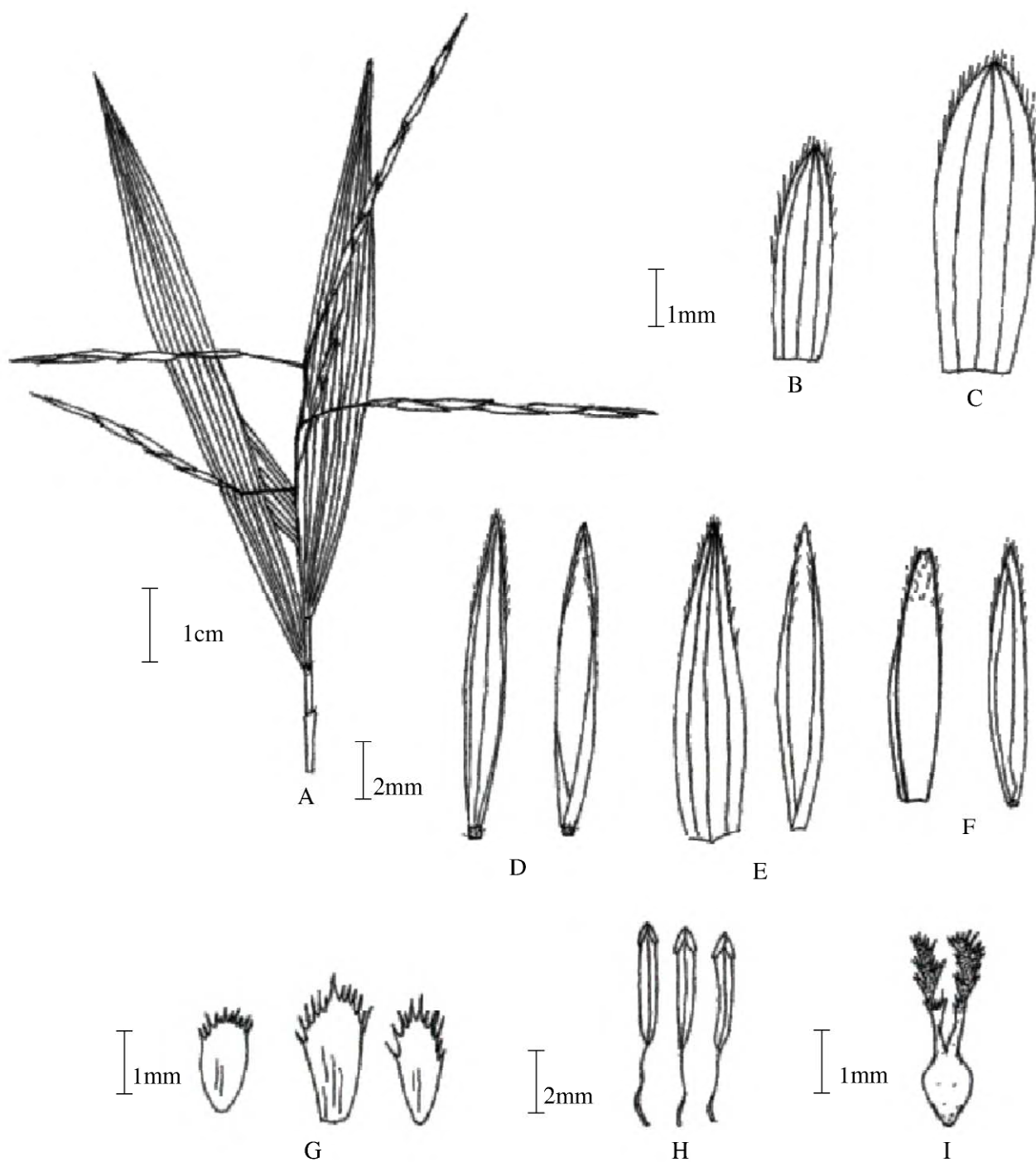


Fig. 2. *Chimonocalamus longiusculus* Hsueh & T.P. Yi. **A.** Flowering twig; **B.** Lower empty glume; **C.** Upper empty glume; **D.** Floret (dorsal & ventral view); **E.** Lemma; **F.** Palea; **G.** Lodicule; **H.** Stamens **I.** Ovary

lanceolate, 3 - 5.5 × 1mm, acuminate, 1-keeled, keels and margins scabrous to ciliate towards apex. Upper glume 5 - 6.5 × 1.2 - 1.5mm, similar to lower glume. Lemma encircling the palea base, concave, dorsally rounded, 9 - 10 × 2 - 3mm, acute to acuminate at apex, glabrous at base, hirsute towards apex, 7-nerved. Palea cartilaginous, linear-oblong, 8 - 9.5 × 1.8 - 2.2mm, subacute to rounded at apex, adpressed hairy, hairs dense towards apex, 2-keeled; keels scabrous towards apex. Stamens 3; filament 1 - 2.5mm long; anther linear, 2 - 4.6 × 0.8mm. Lodicule 3, one smaller, broadly lanceolate, 1 - 2 × 0.5 - 0.8mm long, membranous, hyaline, ciliate at margins. Ovary ellipsoid, flattened, 0.5 - 1mm long; style short, indistinct; stigma 2, 2 - 2.5mm long, strongly fimbriate.

Flowering: December to March.

ACKNOWLEDGEMENT

The authors are grateful to the Director, Botanical Survey of India, Kolkata for providing necessary facilities.

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