

A New Species of *Chimonobambusa* Makino (Poaceae) from Arunachal Pradesh, India

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Abstract

Chimonobambusa arunachalensis Sharma *et* Borthakur, a new species of bamboo is described from Ziro, Lower Subansiri District, Arunachal Pradesh, India.

Keywords: *Chimonobambusa arunachalensis*, New Species, Arunachal Pradesh, India

During a field study in the Apatani Hills of Arunachal Pradesh in May 2006, some interesting specimens of *Chimonobambusa* Makino were collected from Ziro, Lower Subansiri District, which on closer examination have been found to represent an unrecognized species for the genus. The same is named, described and illustrated here.

Chimonobambusa arunachalensis Sharma *et* Borthakur, *sp. nov.* [Plate I]

Affinis *Chimonobambusa callosa* (Munro) Nakai, sed differ culmis viridulifavis, 2-3m altis, 1-2cm diametro, culmorum vaginis praecox deciduis, 8.4-11.5cm longis et 3.5-11cm latis ad basin laminis imperfectis 0.2-1cm longis.

Planta sempervirens, fruticosa, erecta, spinosa, unicaulis. Culmi 2-3m longi, 1-1.5cm in diametro, scaberuli, ad maturitatem cinereo-viridi vel luteoli, nodi tumescenti, fimbriti cum pilis brunneis mollisque et spinis crassis conicis, internodia 14.5-20 cm longa, parietibus crassibus 5mm. Culmorum vaginae deciduae, magnitudine variantes, 8.4-11cm longae, 3.5-11.5cm latae ad basin, sursum gradatim attenuatae ad orem 0.4cm latum, cum setis longis in unusquisque latere, ad marginem ciliatae striatae, laxae, luteolae, cum pilis basi bulbosis extus, praecipue confertis versus basin, laminae imperfectae 0.2-1cm longae, striatae, subulatae, auriculae nullae, ligula brevis, fimbriata. Folia 12-18cm longa, 1.5-2cm lata, lineari-lanceolata, infra scabra, basi inaequales et attenuate in petiolum brevem, apica acuta, costa prominens, venis secundariis 4-5 paribus, intermediis 6-7, venulis transversis, numerosis, foliorum vaginae striatae, scabrae, ad marginem ciliatae, ad extremum callus cum setis longis, ligula brevis, fimbriata. Flores non-visi.

Holotypus (TP0140A) *et isotypi* (TP 0140B & C) lecti in collibus Ziro in Distr. Lower Subansiri in ditino Arunachal Pradesh die 08.05. 2006; **holotypus et isotypi** depositus ad Herb. Bot. Dept., Gauhati University, Guwahati, Assam.

Evergreen, shrubby, erect, thorny, single-stemmed. Culms 2-3m in high, 1-1.5cm diameter, slightly scabrous, grayish green or yellow on maturity; nodes swollen, fringed with soft brown hairs and studded with short, thick conical spines; internodes 14.5-20cm long, walls thick, 5mm. Culm-sheaths deciduous, variable in size, 8.4-11.5cm long, 3.5-11.5cm broad at base, gradually attenuate upwards to 0.4cm broad mouth with long bristles on both sides, edges ciliate, striate, loose yellowish, covered with bulbous-based hairs on the outer surface especially dense towards

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the base; imperfect blades .2-1cm long, striate, subulate, auricles absent, ligule short, fimbriate. Leaves 12-18cm long, 1.5-2cm broad, linear-lanceolate, scabrous on ventral surface, base unequal and attenuate into a short petiole, tip acute, main vein prominent, secondary veins 4-5 pairs, intermediate 6-7, transverse veinlets many; leaf-sheaths striate, scabrous, ciliate on edges, ending in a callus with long bristles, ligule short, fimbriate. Flowers not seen.

TYPE: Holotype (TP0140A) and **Isotype** (TP0140B & C) Ziro, Lower Subansiri district, Arunachal Pradesh, 08.05.2006. Both Holotype and Isotype deposited in the Herbarium of Botany Department, Gauhati University, Guwahati, Assam.

Vernacular name: Rizang (Apatani tribe).

Habitat: Rarely occurring on hill slopes.

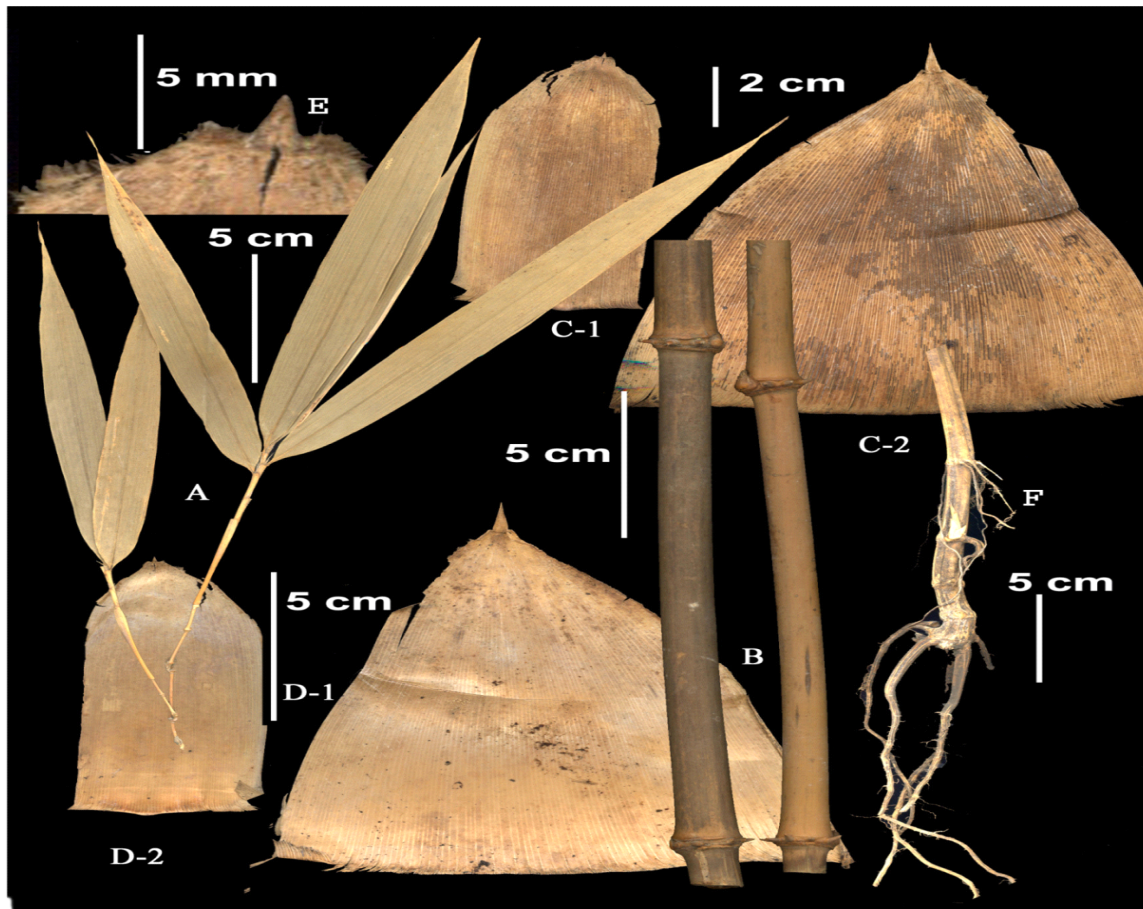


Fig. 1. *Chimonobambusa arunachalensis* Sharma et Borthakur sp. nov. A. Leafy branch, B. Part of culm, C₁ – C₂. Culm sheath exterior, D₁ – D₂. Culm sheath interior, E. Culm sheath ligule, F. Rhizome & Root.

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