

New plant records for Jharkhand

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Dalma Wildlife Sanctuary established in 1976 is one of the interesting and well conserved sanctuaries for elephants. The sanctuary (22° 46'30" N and 22° 57'25" N Latitudes and 86° 03'15" E and 86° 26'30" E Longitudes) is situated on the Chota Nagpur plateau of south Jharkhand near the steel city of Jamshedpur under Saraikela and East Singhbhum districts of Jharkhand and its eastern limit extends up to the border of Purulia district of West Bengal. It covers an area of 193.22 sq km (reserved forest 45.56 sq km and protected forest 147.44 sq km). The sanctuary area has Core zone (55 sq km), Buffer zone (133.95 sq km) and Tourism zone (13.94 sq km). It has been divided into six beats namely Bhanudi, Chukalia, Dalma, Kankdasa, Mango and Patamad and has several sub-beats. The sanctuary is traversed by the rivers Subarnarekha, Baitarani and Brahmini.

During the floristic survey of Dalma Wildlife Sanctuary, three species, namely *Bambusa teres*, *Crotalaria burhia* and *Ipomoea triloba* were collected which are new records to the flora of Jharkhand. These species have not been reported by Haines (1910; 1921, 1922 & 1925), Mooney (1950), Paria & Chattopadhyay (2000 & 2005), Singh *et al.* (2001), Sharma & Sarkar (2002) and Ansari (2008). The species are listed below with their currently accepted botanical name, phenology, distribution in India and specimens examined. All the specimens are deposited in Central National Herbarium, Howrah (CAL).

Bambusa teres Buch.-Ham. ex Munro (Poaceae)

Distribution: INDIA: (Arunachal Pradesh, Assam, Manipur, Meghalaya, Nagaland, Tripura and West Bengal), Bangladesh and Singapore.

Specimen examined: Makulakocha, 22.04.2010, C.R. Magesh 38852

Note: Rare. It is collected in vegetative condition and there is no record of flowering in plains.

Crotalaria burhia Buch.-Ham. ex Benth. (Leguminosae - Papilionoideae)
Flowering & Fruiting: October – February

Distribution: INDIA: (Delhi, Gujarat, Punjab, Rajasthan, Madhya Pradesh and Uttar Pradesh), Afghanistan and Pakistan.

Specimens examined: Dalma phar, 13.02.2001, P. Chakraborty & P.



Bambusa teres Buch.-Ham. ex Munro (Habit)



Crotalaria burhia Buch.-Ham. ex Benth. (Habit)

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Crotalaria burhia Buch.-Ham. ex Benth. (Close up)



Ipomoea triloba L. (In flowers)



Ipomoea triloba L. (In fruits)

Satyanarayana 28850; Kuyani, 17.02.2001, P. Chakraborty & P. Satyanarayana 23511

***Ipomoea triloba* L.** (Convolvulaceae)

Flowering & Fruiting: August – February

Distribution: INDIA: (Gujarat, Kerala, Karnataka, Maharashtra, Rajasthan, Uttar Pradesh and West Bengal), Argentina, Bolivia, Brazil, Paraguay and Uruguay.

Specimen examined: Asamboni, 13.11.2008, C.R. Magesh 43954

Note: It is a native of Tropical America.

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