New plant records for Toranmal flora of Satpuda range, Nandurbar district of Maharashtra state

B.D. GARUD and S.S. YADAV

Jaihind Educatinal Trust's Z.B. Patil College Dhule, Maharashtra (India).

(Received: December 10, 2008; Accepted: January 06, 2009)

ABSTRACT

Five new flowering plant species are reported for the first time form Toranmal Satpuda region of Maharashtra state.

Key words: New plant records, Toranmal, Satpuda.

INTRODUCTION

The flora of Satpuda has not been extensively explored except few reports of Mahabale and Karnik (1960), Karnik (1955, 56, 57, 66) Jain and Deshpande (1964) reported 365 species form Khandesh, Mahabale and Karnik has reported 484 species spread over 322 genera and 80 families. Mathew (1988) reported 474 species from entire Dhule District. During the course of botanical exploration (1998-2000) in Toranmal region, Nandurbar district. We have collected plant species which are not recorded in Flora of Maharashtra state Ed. Singh et al., (1996, 200 and 2001) and Dhule district Mathew (1998). The species reported in the present paper in recorded first time form Toranmal Satpuda region.

Tribulus alatus Del. Family: Zygophyllaceae

Procumbent or ascending, densely silky-villous herb. Leaflets 3-6 paris 0.5-1.2 cm long, -apressed - ericeo-villous, linear-oblong to elliptic oblong. Flower 1-1.2 cm across, yellow. Cocci 5, hirsute, each coccus 2 seeded.

Distribution : North Africa, Arabia, Western India
Critical note : An addition to the flora of Dhule district
Exisccata : BDG (Ranipur) 111.

Vicia hirsuta (L.)

S.F. Gray. Family: Papilionaceae

Ervum hissutum

L. Sp Pl 138. 1753

Slender, straggling or climbing herbs. Leaves 2.3-3.2 cm long. Leaflets 5-10 pairs, 0.4-1cm long, appressed pubescent. Corolla smaller, Scarrely exserted from calyx. Pod oblidique, more turgid, finally black.

Fils. and Frs. : July - Nov.
Distribution : Cultivated throughout
Critical note : As an escape, usually a weed in cultivated field. Extremely rare.
Critical notes: An addition to the flora of Dhule district.
Exisccata: BDG (Toranmal Ghat) 532.

**Cassia leschanaultiana**
Wall. Ex. Dc. Family: Caesalpinaceae

A low diffuse perennial with slender shrubby finely down branches. Leaves 1"-3" long leaflets 60-100, linear, obliquely mucronate. Flower 1-2, together in the axis of leaves on short pedicels. Pod, glabrescent or finely downy septa more or less oblique.

Fls. and Frs. : Oct.
Distribution : Cosmopolitan in tropics
Critical note : An addition to the flora of Dhule district
Exisccata : BDG (Toranmal) 566.

**Trapa natnas L. var. bispinosa (Roxb) Makino in Inluma. Family: Trapacceae.**
Somoku - dzusetz (ed. 3) 1:37.1907; Shah 314-1978.

**Trapa bispinosa Roxb.**
Pl. Cor. 3:i. 234-1819 and F. Ind (ed. Carey) 1: 428. 1832; FBI 2: 590. 1879; Cooke 1: 551. 1958

Floating herbs, stems flexuose, ascending in water, leaves alternate, crowded on the upper part of the stem, broadly ovate-rhombid, glarous dark green above and prominently nerved beneath. flowers white above water surface. axillary, solitary. nut 1.4-2.5 cm long and as much broad, black with a short conical beak in the centre at the apex, 1-seeded.

Fls. and Frs. : Nov. - Mar.
Distribution : India, Sri-Lanka, Malaya, China, Africa
Ecological note : Common weed along roadsides
Critical note : An addition to the flora of Dhule district
Exisccata : BDG (Velkheda) 539.

**ACKNOWLEDGEMENTS**

Author (BDG) thanks to UGC, for financial assistance and BSI (WRO) for confirmation and Identification of specimens.
REFERENCES