



Additional Distributional Records of Two Legumes from Trymbakeshwar Tehsil, District Nashik, Maharashtra State, India

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Abstract:

The present paper deals with additional distributional records of Two legumes from Trymbakeshwar Tehsil for Nashik District, Maharashtra State, India. *Macroptilium atropurpureum* (DC.) Urb an Exotic, Introduced legume and *Crotalaria epunctata* Dalzell endemic to Peninsular India.

Key Words: Additional distributional records, legumes, Exotic, endemic,

Trymbakeshwar Tehsil.

Introduction:

Trymbakeshwar tehsil of Nashik district of Northern Maharashtra is important religious destination. The terrain is mostly hilly with some important peaks like Bramhagiri, Angeneri, Bhaskargad etc. This area is rich in plant biodiversity, with many endemic and RET plants reported from here. Family Leguminosae has been thoroughly studied by Kamble et al (2017) they reported seventy-one species of legumes from Trymbakeshwar. During the field studies of the area two more species of Legumes were reported from here viz: *Macroptilium atropurpureum* (DC.) Urb and *Crotalaria epunctata* Dalzell.

Material and Methods:

Study Area: Trimbak is located at 19.56°N 73.32°E. The area is hilly with an average elevation of 2362 feet. Bramhgiri being the highest peak with an elevation of 4,284 ft. Two major rivers originate from this area viz Godavari and Vaitarna. Regular field visits were carried out in the study area, Geo tagged photographs of plants were taken. The Photographs were identified with the help by referring research papers, Floras and websites .



Observations:

Two leguminous plants viz: *Macroptilium atropurpureum* (DC.) Urb and *Crotalaria epunctata* Dalzell. not reported earlier from the study area were reported, a brief description, along with distribution is given here.

Macroptilium atropurpureum (DC.) Urb. Symb. Anill. 9: 457.1828; Verdc. in Kew Bull. 24 : 517. 1970 (in foot notes); Sanj. Legumes of India 206. 1991. *Phaseolus atropurpureus* DC. Prodr. 2: 395. 1825; Tosh & Vartak in J. Econ. Tax. Bot. 6: 203, ff. 1–7. 1985.

Perennial herbs, trailers or climbers. Stem hairy, cylindrical. Leaves stipulate, alternate, compound trifoliate. leaflets ovate- rhombic. Flowers in racemes, often paired on long peduncles. Corolla dark purple, Standard with long claws, Wings large. Legumes hairy linear, without constrictions.

Fls & Frts :- Sep.

Original Distribution: Maharashtra - Pune, India - Bangalore, Hyderabad, Dharwad.

Present distribution: Khambale, Taluka Trybakeshwar District Nasik Maharashtra.

Fls & Frts: - December.

Exotic, Introduced.

Crotalaria epunctata Dalz. in Hook. J. Bot. Kew Gard. Misc. 3: 210. 1850; Vajrav., Nair & Henry in Fl. Tamil Nadu 1: 196. 1983; Sanj. Legumes of India 119. 1991. *C. albida* Heyne ex Roth var. *epunctata* (Dalz.) Baker in Hook. f. Fl. Brit. India 2: 71. 1876.

Annual branched pubescent, herbs. Leaves alternate shortly petiolate, membranous, pubescent on both sides. Flowers in loose racemes, racemes 3-6 flowered. Corolla equal to or slightly longer than calyx. Pods smooth.

Fls. & Frts: December–February.

Distrib.: Southern Konkan (Dalzell, op. cit.). Endemic

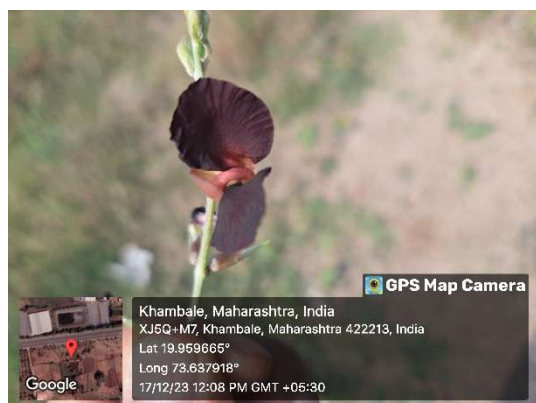
Current distribution: Kalmuste Tal Trymbakeshwar.

Fls. & Frts: December.

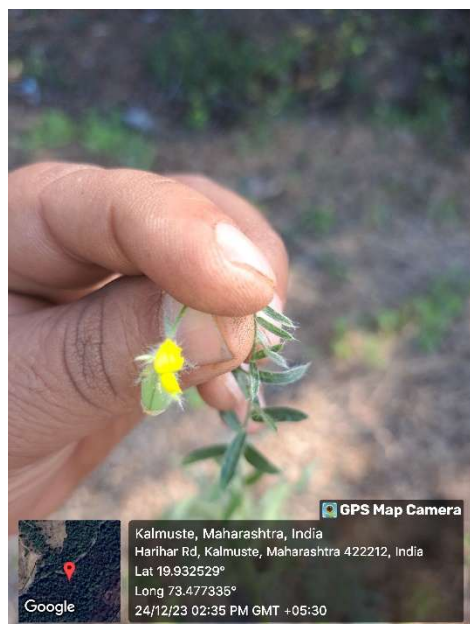
Endemic to Peninsular India.

Results and Discussion:

Additional distributional records of two legumes *Macroptilium atropurpureum* (DC.) Urb and *Crotalaria epunctata* Dalz. were reported for Nashik District Out of which *Macroptilium atropurpureum* (DC.) Urb. is exotic introduced plant first reported in Maharashtra from Pune and *Crotalaria epunctata* Dalz. is endemic to peninsular India first reported from Konkan, Maharashtra. This report makes the number of Legumes from Trymbakeshwar, Nashik to seventy-three.



Macroptilium atropurpureum Flowers and Legumes



Crotalaria epunctata Flower



Stem and Leaves



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