



Haritarium

Family Code: 267

Species code: 6 - 3A

Naoroji Godrej Centre for Plant Research

Anisochilus verticillatus Hook.f.

Botanical name: *Anisochilus verticillatus* Hook.f.

Vernacular name: -

Family : Lamiaceae

Threatened category: Not evaluated (Gaikwad & Yadav, 2004)

Key characters: Leaves verticillate, Calyx teeth lobes five, flowers sessile, upper lip of fruiting calyx, simple, not concealing the mouth of the calyx, lower lobed, in fruit deflexed. Lower lip of corolla concave.

Description: Erect herbs, 50-100 cm tall; roots tuberous, stem simple, silky-villous, white or creamy tomentose, deeply grooved, stout. Leaves usually in close whorls of 4-6, sessile, 4-8 X 0.6 to 2.5 cm, smaller upwards, oblong-lanceolate, subacute, entire or crenulate, base narrowed. Flowers pale purple, sessile in dense pedunculate cylindrical spikes 4-20 cm long, bracts 1 cm long, lanceolate very acute, pubescent, and conspicuous on the young spikes. Fruiting calyx shortly cylindrical, densely pubescent and glandular; tube reflexed about the middle; upper lip short, truncate not concealing the lower lip lower lip truncate, obscurely toothed. Corolla not exceeding 1.2 cm long, pubescent and glandular, lips spreading; lower lip longer than the upper, concave. Nutlets sub orbicular, compressed, smooth, polished and brown.

Flowering and fruiting: August - November.

Distribution: India – Endemic to Western Ghats.

Reported Localities: Pune, Ratnagiri, Satara, Sindhudurg districts.

Ecology: Occasional on open hill slopes of degraded deciduous forests. altitude between 900-1200m.

Association: No specific plant association is observed, but grows among small sized grasses.



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1.Habitat, 2-5. Inflorescence, 6.Leaf-dorsal view,7. Leaf-ventral view.



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Species code: 6 - 3C

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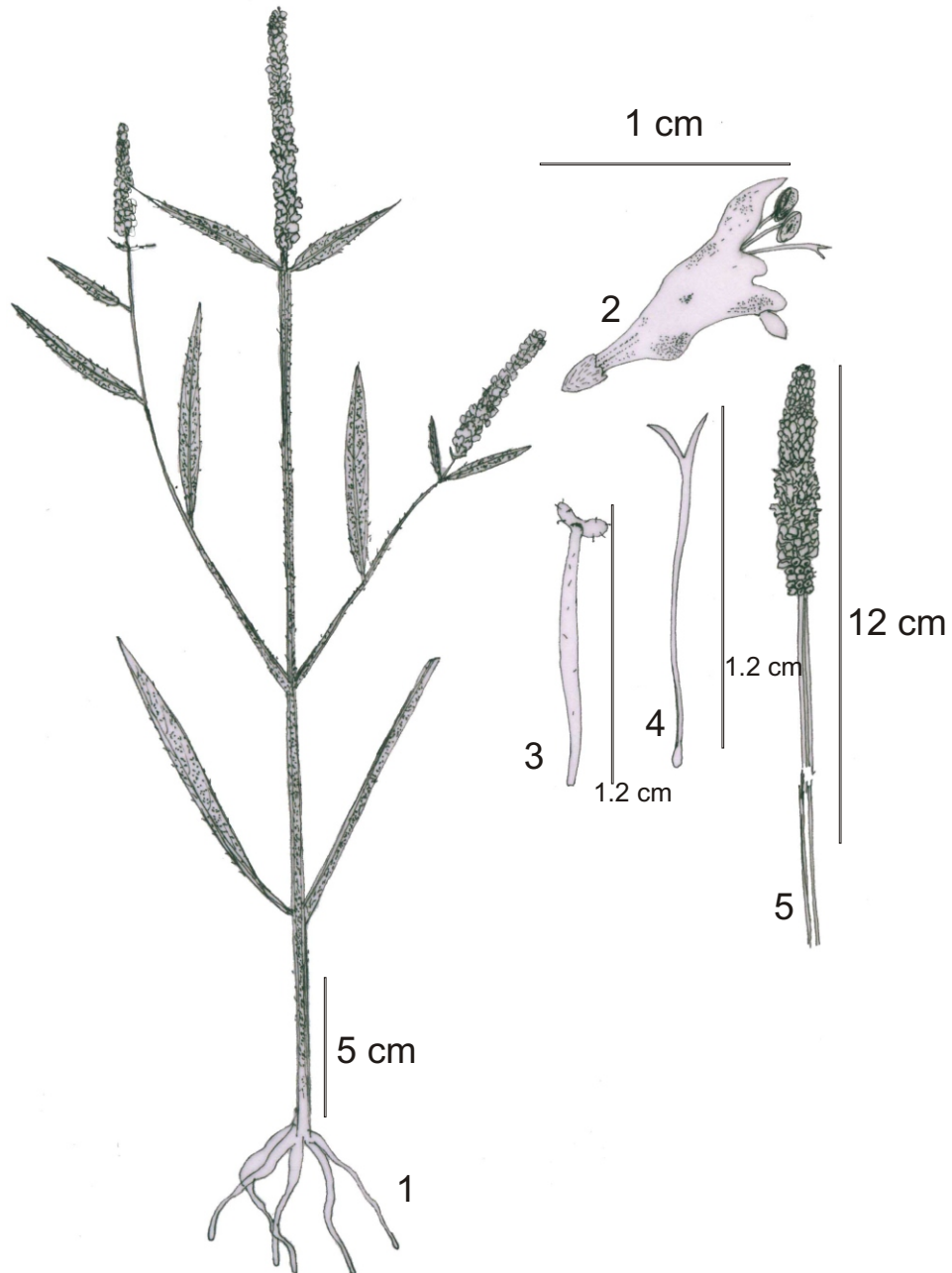
Haritarium

Family Code: 267

Species code: 6 - 3D

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1. Habit, 2. Flower, 3. Anther, 4. Gynoecium, 5. Spike.



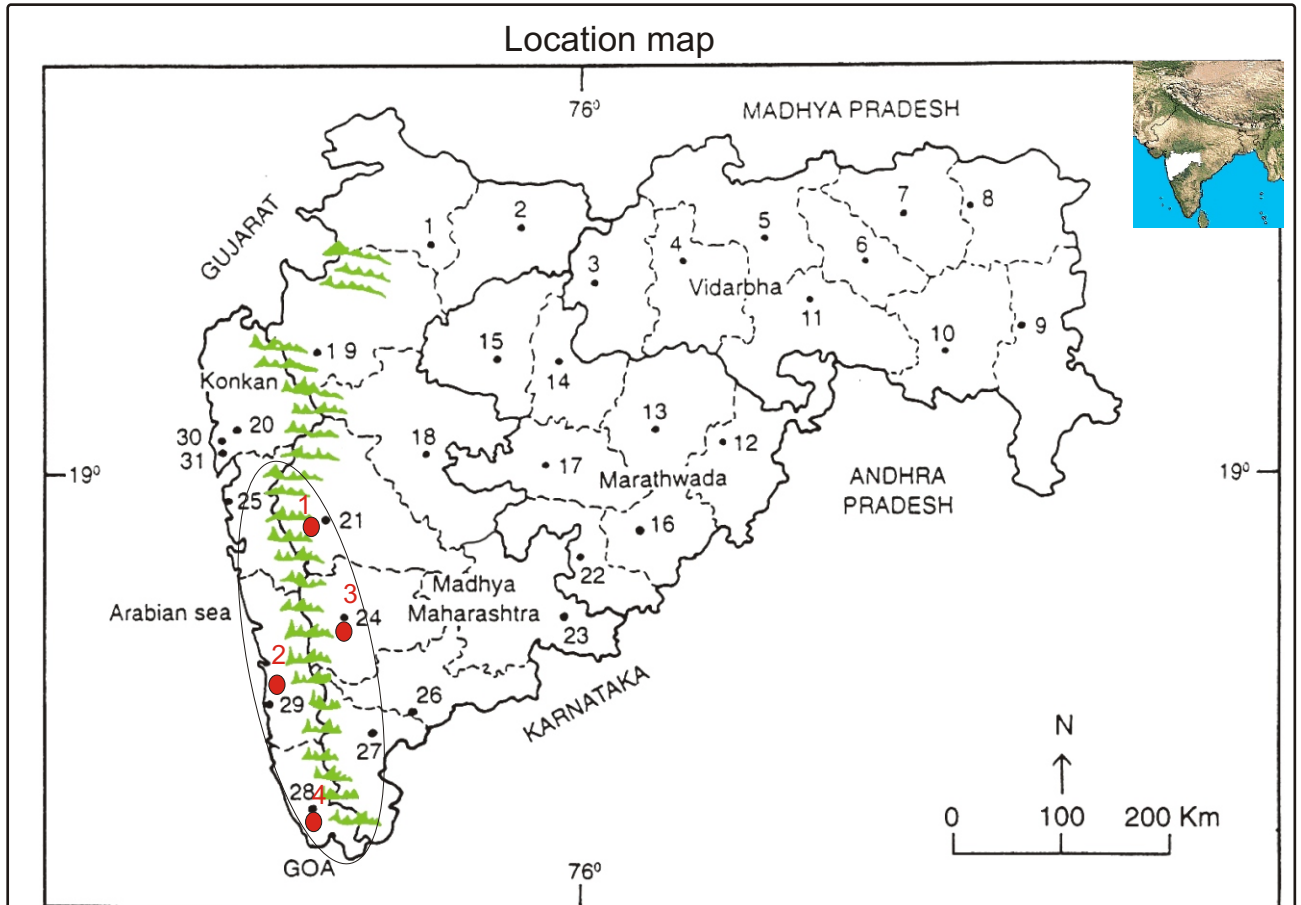
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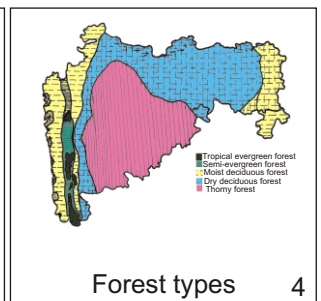
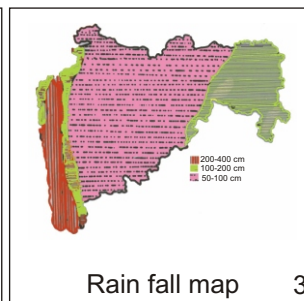
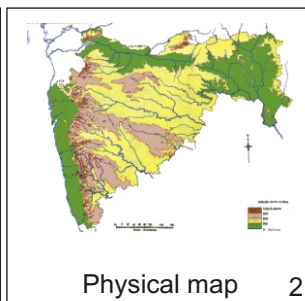
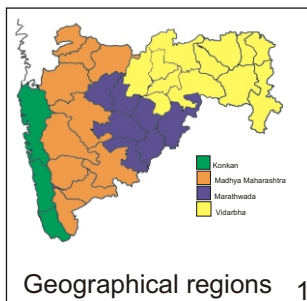
Species code: 6 - 3E

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Anisochilus verticillatus Hook.f.



1.Dhule 2.Jalgaon 3. Buldhana 4.Akola 5.Amaravati 6.Wardha 7.Nagpur 8. Bhandara 9. Gadchiroli
 10. Chandrapur 11. Yavatmal 12. Nanded 13. Parbhani 14. Jalna 15. Aurangabad 16.Latur
 17. Beed 18. Ahmadnagar 19 Nashik 20. Thane 21. Pune 22. Osmanabad 23. Solapur 24.Satara
 25. Raigad 26.Sangli 27. Kolhapur 28. Sindhudurg 29. Ratnagiri 30.Mumbai 31.Greater Mumbai.



Distribution districts:- ●

1.Pune , 2.Ratnagiri , 3.Satara, 4.Sindhudurg.

Geographical distribution in Maharashtra:

Latitude (DMS): Between 18^o 87' -17^o 98' N & Longitude (DMS): 73^o 10' -74^o.5' E.



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Species code: 6 - 3F

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References:

Cooke. T (1904): **Flora of Presidency of Bombay**. Vol.2: 532-533 (2nd rep. Ed.1967).

Gaikwad S.P. & S.R. Yadav(2004): in T. Pullaiah (ed.)Endemic flowering plant species of Maharashtra and their possible utilization; **Biodiversity in India**, Regancy publications, New Delhi:47.

Hooker, J.D. *et al.*(1885):**The flora of British India**. London. Vol.4: 629.

Mukharjee, S.K. (1940): A revision of Labiatae of Indian Empire. *Rec. Bot. Surv. India* 14:1-128.

Singh N.P. & S. Karthikeyan (2001): **Flora of Maharashtra**. Vol.2., B.S.I. India, Calutta: 713-715.

Tetali, *et al.* (2000): **Endemic Plants of India (A Status Report of Maharashtra State)**. Naoroji Godrej Centre for Plant Research, Shirwal: 36.