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Haritarium

Family Code: 526
Species code: 1 - 5A

Naoroji Godrej Centre for Plant Research

Aponogeton bruggenii S.R.Yadav & Govekar

Botanical name: **Aponogeton bruggenii** S.R. Yadav &. Govekar

Vernacular name: -

Family : Araceae

Threatened category: **Critically endangered** (Gaikwad & Yadav, 2004).

Key characters: Leaves all emerging, petiole triangular. Inflorescence single spiked. Flowers, all around axis, testa single.

Description: Small tuberous herbs, 10-30 cm high; tubers globose to elongate, 0.6-3.0 X 1.2 cm, crowned with fibrous roots. Leaves semi-erect; oblong-ovate, cordate, truncate at base, entire along margin , acute or rounded at apex, glabrous, dark green. Petioles stout, thick, 5-25 X 0.3 – 0.4 cm; lamina 2.0-7.5 X 1.8 –3.3 cm, thick, 7-9 nerved, amphistomatic, Inflorescence one spiked, peduncle 20-30 cm long, slender; spathe about 1.5 X 6 cm, caducous, spikes 6-7 cm long, densely flowered. Flowers pink, all around the axis. Tepals 2, pinkish-white, obovate; 1.5 X 1.5 mm in flowers stamens 6, filaments 2-2.2 mm long anthers violet, bluish in flowers. Style short, carpels -3, ovules 2 in each carpel, placentation basal. Fruits 5-7 X 2-3 mm, beaked, smooth. Seeds with simple testa.

Flowering and fruiting: August- September.

Distribution: Endemic to Maharashtra

Localities: Sindhudurg.

Ecology: Known from a single locality. Type locality is situated near a creek just a few meters above the sea level. The habitat is a paddy field (abandoned) and coconut plantation surrounding it. The entire habitat is marshy for most part of the year and the shade of coconut trees and sandy soil create an ideal micro habitat.

Association: No specific plant association is observed**.** However, grows in Paddy fields, both cultivated as well as abandoned..

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Haritarium

Family Code: 526
Species code: 1 - 5B

Naoroji Godrej Centre for Plant Research

Aponogeton bruggenii S.R.Yadav & Govekar

1.Habitat, 2. Habit, 3.,4.,& 5.Inflorescence, 6. Fruit,7. Leaf- Dorsal side, 8. Leaf- Ventral side.

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Haritarium

Family Code: 526
Species code: 1 - 5C

Naoroji Godrej Centre for Plant Research

Aponogeton bruggenii S.R.Yadav & Govekar

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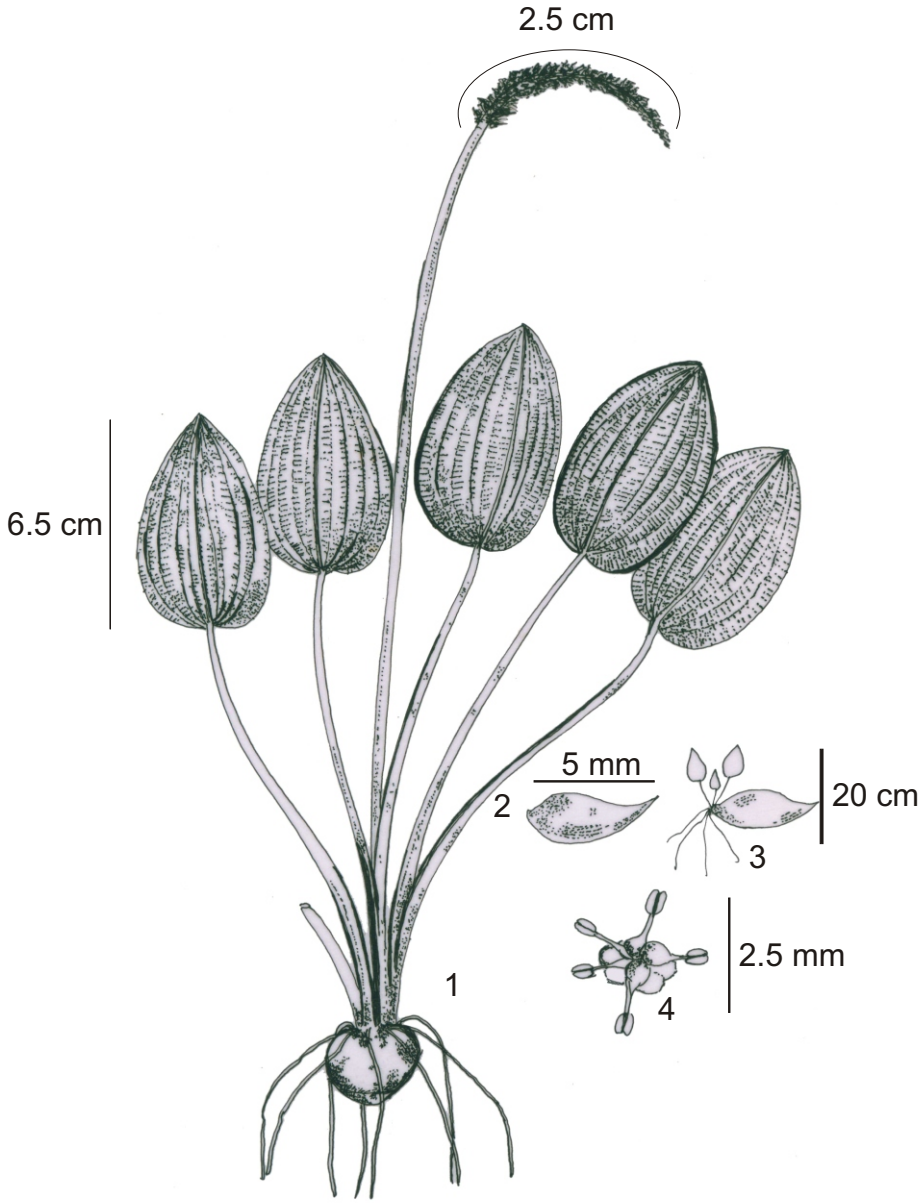
Haritarium

Family Code: 526
Species code: 1 - 5D

Naoroji Godrej Centre for Plant Research

Aponogeton bruggenii S.R.Yadav & Govekar



1. Plant, 2. Seed, 3. Plantlet, 4. Flower

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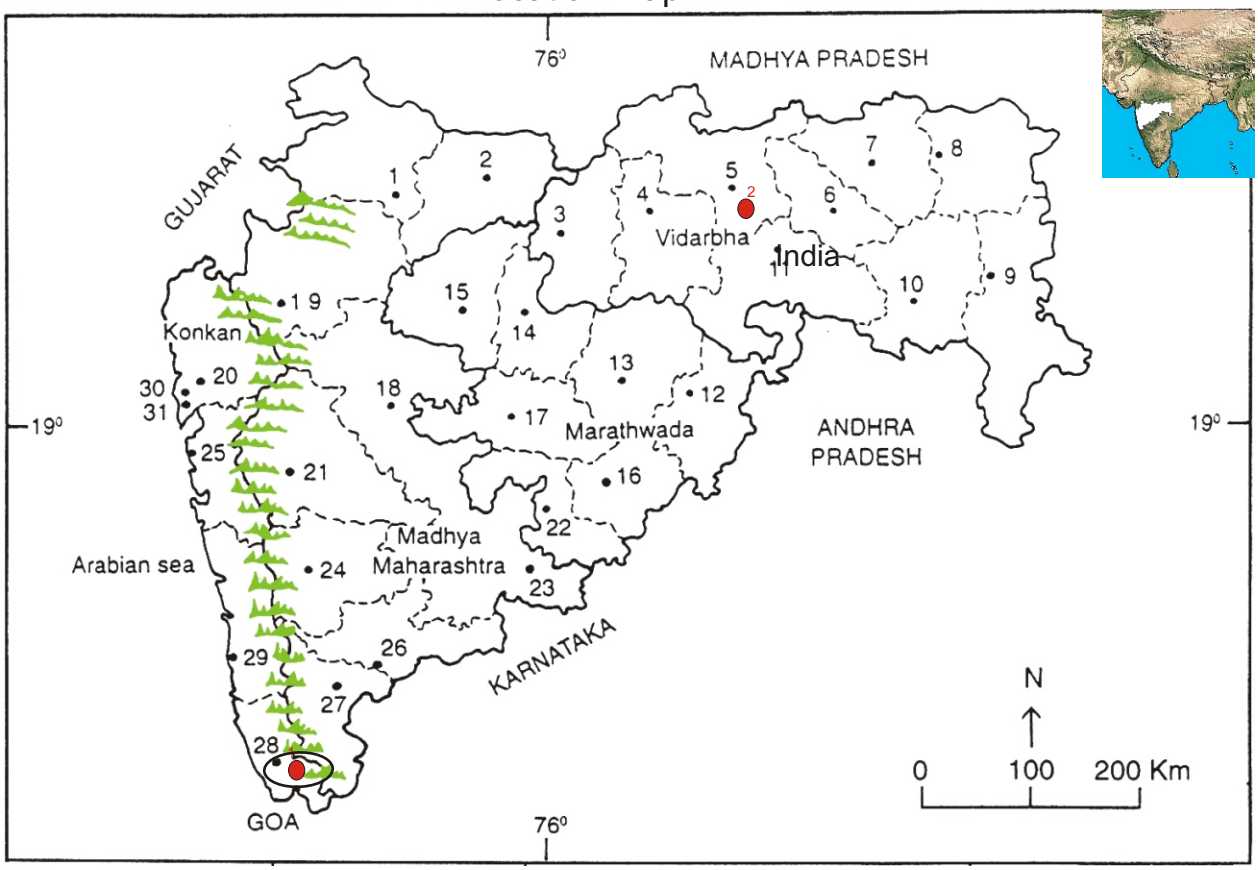
Haritarium

Family Code: 526
Species code: 1 - 5E

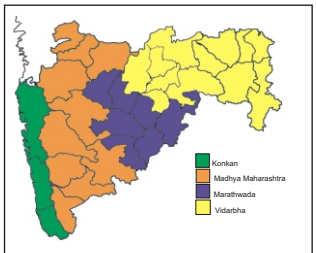
Naoroji Godrej Centre for Plant Research

Aponogeton bruggenii S.R.Yadav & Govekar

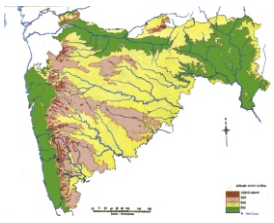
Location map



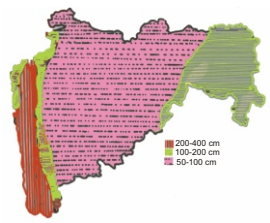
1.Dhule 2.Jalgaon 3. Buldhana 4.Akola 5.Amaravati 6.Wardha 7.Nagpur 8. Bhandara 9. Gadchiroli 10. Chandrapur 11. Yavatmal 12. Nanded 13. Parbhani 14. Jalna 15. Aurangabad 16.Latur 17. Beed 18. Ahmadnagar 19 Nashik 20. Thane 21. Pune 22. Osmanabad 23. Solapur 24.Satara 25. Raigad 26. Sangli 27. Kolhapur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



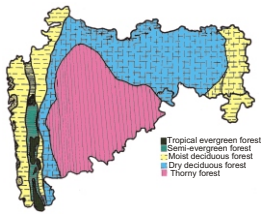
Geographical regions 1



Physical map 2



Rain fall map 3



Forest types 4

Localities- ●
Sindhudurg (Nerurpur)

Geographical distribution in Maharashtra:
Latitude (DMS): Between 17 ^{0} 49’ N & Longitude (DMS): 73 ^{0} 55’ E.

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Haritarium

Family Code: 526
Species code: 1 - 5F

Naoroji Godrej Centre for Plant Research

Aponogeton bruggenii S.R.Yadav & Govekar

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