

Species Datasheet

Datasheet No. A-034.001.006
(family.genus.species)

DBT- Network Programme

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1. Taxon:

Species *Aponogeton nateshii* S.R. Yadav

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms:

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Alismatales R.Br.
- Family: Aponogetonaceae Planch.
- Genus: *Aponogeton* L.f.
- Species: *A. nateshii* S.R. Yadav

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Apocarpae
Ordo: Najadaceae Juss.
Tribus: Aponogetoneae Benth. & Hook. f.
Genus: *Aponogeton* L.f.
Species: *A. nateshii* S.R. Yadav

4. Distribution:

Global: India

India: Maharashtra (Karel, Rajapur, Ratnagiri district).

5. Indigenous/Exotic/ Endemic; Cultivated/Wild: Endemic

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Submerged, freshwater aquatic perennial herb. Grows in seasonal fresh water large ponds on a lateritic plateau in Concan.

8. Life Form: Tuberous geophyte

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C- value

Methodology

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n = 30^{15}$

14. Gametic chromosome number(s):

15. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene chromosomes/Neocentric chromosomes):

Image file

16. Ploidy level:

Image file

17. Agametoploidy

18. Nature of polyploidy (auto, segmental, allo, autoallo):

19. Genomic formula:

20. Aberrant chromosome number(s) (aneuploidy, aneusomy, polysomy):

21. Somatic chromosomes:

Karyotype

Chromosome size

NOR chromosome(s)

Degree of asymmetry:

Image file

22. Banding pattern(s):

Image file

23. Physical mapping of chromosomes:

In situ hybridization

Image file

Fluorescent in situ hybridization

Image file

24. Genomic in situ hybridization:

Image file

25. Linkage map:

Image file

26. Chromosome associations:

Female meiosis

Male meiosis

Image file

27. Chromosome distribution at anaphase I:

28. Genetic diversity:

Chromosomal level

Image file

DNA level

29. Any other information (Apomixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocations etc):