

Species Datasheet

Datasheet No. A-028.013.004
(family.genus.species)

DBT- Network Programme

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1. Taxon:

Species *Lagenandra ovata* (L.) Thwaites

Subspecies

Variety

Cultivar

Hybrid

Image file

2. **Synonyms:** *Arisarum ovatum* (L.) Raf., *Arum ovatum* L., *Caladium ovatum* (L.) Vent. *Cryptocoryne ovata* (L.) Schott, *Lagenandra insignis* Trimen

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocots
- Order: Alismatales R. Br. ex Bercht. & J. Presl
- Family: Araceae Juss.
- Genus: *Lagenandra* Dalzell
- Species: *L. ovata* (L.) Thwaites

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Nudiflorae
Ordo: Aroideae Arn.
Genus: *Lagenandra* Dalzell
Species: *L. ovata* (L.) Thwaites

4. Distribution:

Global: India, Sri Lanka

India: Peninsular India.

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

6. Threat Status:

IUCN: Least Concern

BSI:

7. **Habit and Habitat:** Herb, tropical Moist Forest.

8. **Life Form:** Tuberous geophytes

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C- value

Methodology

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=32$ ⁵
 $2n=36$ ^{2,3,6,7}

14. Gametic chromosome number(s): $n=18$ ²

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, aneusomaty, polysomaty):

21. Somatic chromosomes:

Karyotype

Chromosome size Very small to small ²

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 18II²

Image file

27. Chromosome distribution at anaphase I:

28. Genetic diversity:

Chromosomal level

Image file

DNA level⁴

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