Species Datasheet

Datasheet No. A-028.006.003 **DBT- Network Programme**
(family.genus.species)

1. Taxon:

Species *Aglaonema simplex* (Blume) Blume
Subspecies
Variety
Cultivar
Hybrid

Image file

2. Synonyms: *Aglaonema angustifolium* N.E.Br., *A. angustifolium* var. *undulatum* Ridl., *A. birmanicum* Hook.f., *A. borneense* Engl., *A. brevivaginatum* Alderw., *A. elongatum* Alderw., *A. emarginatum* Alderw., *A. fallax* Schott ex Engl., *A. grande* Alderw., *A. latius* Alderw., *A. longicuspidatum* Schott, A. *malaccense* Schott, *A. nicobaricum* Hook.f., *A. nieuwenhuisii* Engl. ex Alderw., *A. pierreanum* Engl., *A. propinquum* Schott, *A. schottianum* Miq., *A. schottianum* f. *angustifolium* (N.E.Br.) Engl., *A. schottianum* var. *brownii* Engl., *A. schottianum* var. *malaccense* (Schott) Engl., *A. schottianum* var. *winkleri* Engl., *A. siamense* Engl., *A. simplex* f. *angustifolium* (N.E.Br.) Jervis, *A. simplex* f. *inaequale* Alderw., *A. simplex* f. *nicobaricum* (Hook.f.) Jervis, *A. simplex* f. *nieuwenhuisii* (Engl. ex Alderw.) Jervis, *A. subarborescens* Alderw., *A. subfalcatum* Engl., *A. tenuipes* Engl., *Caladium princeps* Kunth, *C. simplex* Blume, *Scindapsus tonkinensis* K. Krause

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocots
- Order: Alismatales R. Br. ex Bercht. & J. Presl
- Family: Araceae Juss.
- Genus: *Aglaonema* Schott
- Species *A. simplex* (Blume) Blume

Bentham and Hooker (1862)
Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Nudiflorae
Ordo: Aroideae Arn.
Genus: *Aglaonema* Schott
Species: *A. simplex* (Blume) Blume

4. Distribution:

Global: Cambodia, China (Yunnan), India (Nicobar Island), Indonesia (Sulawesi), Lao People's Democratic Republic, Malaysia, Myanmar (Myanmar), Philippines, Thailand, Viet Nam

India: Andaman and Nicobar Islands

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

6. Threat Status:

IUCN: Least concern

BSI:

7. Habit and Habitat: Herb. The species occurs in dense valley wet forests and swamps.

8. Life Form:

9. Economic Importance: Used in the aquarium.

10. Probable Progenitor of:

11. DNA

C- value	**Methodology**

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): 2n= 40 [7,8]

2n=42 [9]

2n=60 [1,3]

14. Gametic chromosome number(s): n=30 [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: Majority submetacentric chromosomes[7]

Chromosome size: Small [7], large [7,8]

NOR chromosome(s): 6 NOR [7]

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):