1.Taxon:

Species: *Acanthus ebracteatus* Vahl
Subspecies
Variety
Cultivar
Hybrid

Image file

2. Synonyms:*Acanthus ilicifolius*Lour, *A.ilicifolius* var.*ebracteatus(*Vahl) Benoist,*Dilivariaebracteata*(Vahl) Pers.

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Asterids
- Order: LamialesBromhead
- Family: Acanthaceae Juss.
- Genus: *Acanthus* L.
- Species: *A.ebracteatus*Vahl

Bentham and Hooker(1862)

- Kingdom: Plantae
- Division:Phanerogamia
- Class: Dicotyledons
- Subclass: Gamopetalae
- Series: Bicarpellatae
- Cohors: Personales
- Ordo:Acanthaceae Juss.
- Genus: *Acanthus* L.
- Species: *A.ebracteatus*Vahl

4.Distribution:

Global: This species occurs in South Asia, including Brunei Darussalam, China, South Taiwan, India, Malaysia, Philippines, Singapore, Thailand, Viet Nam, Cambodia, and Indonesia. In Australasia it is found in northeast Australia, northwest Australia, Papua New Guinea, and the Solomon Islands.

India: Andaman Islands,Karnataka, Kerala, Maharashtra

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

6.Threat Status:

IUCN: Least Concern

BSI:

7.Habit and Habitat: Shrub,Common in landward edges of mangroves just above the high tide mark, also occur in inner mangroves as under-storey. Individuals under shade are less serrated

8.Life Form: Chamaephytes

9.Economic Importance: Medicinal

10. Probable Progenitor of:

11.DNA

C-value: Methodology:

Average 4c DNA (pg) = 8.396[2] **Fuelgencytophotometric method**[2]

12.Basic chromosome number(s):

13. Zygotic chromosome number(s):2n=44[2,4]

14. Gametic chromosome number(s):n=22[2,4]

15.Specialized chromosomes (B chromosomes/Sex chromosomes/Ringchromosomes/etc):

Image file

16.Ploidy level:In number is not confirmed.

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 metacentric[2,4]

Chromosome size

NOR chromosome(s)

Degree of asymmetry: Symmetrical[2,4]

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.Genomicin situ hybridization:

Image file

25. Linkage map:

Image file

26.Chromosome associations:

Female meiosis

Male meiosis

27.Chromosome distribution at anaphase I:

28. Genetic diversity:

Chromosomal level

DNA level

29.Any other information: