Species Datasheet

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Datasheet No. P-049.001.002
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Oleandra pilosa* Hook.

Subspecies:
Variety:
Cultivar
Hybrid

Image file

2. Synonyms:

*Oleandradura*Maxon
*Oleandramicans*Kunze
Oleandraneriiformis Cav.
Oleandraneriiformis var. *pilosa* (Hook.) Baker
*Oleandratrinitensis*Maxon
Oleandratrujillensis H. Karst.

3.Systematic Position:
Christenhusz 2011

- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: OleandraceaeChing ex Pic. Serm.
- Subfamily:
- Genus: *Oleandra* Cav.
- Species: *Oleandra pilosa* Hook.
- Subspecies
- Variety

4.Distribution:

Global: India (Himalayas), China (Xizang), Malesian archipelago to Australia, Pacific Islands (Fiji, Samoa).

India: Himalayas

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat: Terrestrial or epiphytic, in various types of forests, in open places, often making up a significant part of summit or ridge scrub. Sea level to 2200 m.

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s):x=41[5, 7, 8]

13. Zygotic chromosome number(s):2n=164[8]

14. Gametic chromosome number(s):n=41[5],

82 [7, 8]

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

Image file

16.Ploidy level: Diploid (sexual)[5]

Tetraploid (sexual) [7, 8]

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

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 Diploid: 41II[5] ,

Tetraploid : 82II[7, 8]

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;Translocationsetc.):