Species Datasheet

Datasheet No. P-030.002.005
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Adiantum chilense* var. *sulphureum* (Kaulf.) Kuntze ex Hicken

Subspecies:

Variety: *Adiantum chilense* var. *sulphureum* (Kaulf.) Kuntze ex Hicken

Cultivar
Hybrid

Image file

2. Synonyms:

***Adiantumaethiopicum* L.**
Adiantumchilense var. *subsulphureum* (Remy) Giudici
Adiantumglanduliferum Link
*Adiantummarginatum*Bory
Adiantumpoiretii var. *sulphureum* (Kaulf.) R.M. Tryon
Adiantumsubsulphureum Remy
*Adiantumsulphureum*Kaulf.
Adiantumsulphureum var. *subsulphureum* (Remy) Looser

3.Systematic Position:
Christenhusz 2011

- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Pteridaceae E.D.M. Kirchn
- Subfamily: Vittarioideae (C. Presl) Crabbe, Jermy & Mickel
- Genus: *Adiantum* L.
- Species: *Adiantum chilense* (Kaulf.) Kuntze ex Hicken
- Subspecies:
- Variety: *Adiantum chilense* var. *suphureum* (Kaulf.) Kuntze ex Hicken

4.Distribution:

Global: Argentina, Chile

India:

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s):x=30[7, 8,72, 73, 74, 75]

13. Zygotic chromosome number(s):2n=60[72, 73, 74, 75]

14. Gametic chromosome number(s):n=30[7, 8,72, 73, 74, 75]

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

Image file

16.Ploidy level: Diploid (sexual) [7, 8,72, 73, 74, 75]

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 meiosis30IIs[74]

Image file

27.Chromosome distribution at anaphase I:30:30 separation resulting in normal spores [74]

28. Genetic diversity:

Chromosomal level

Image file

DNA level

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