Species Datasheet

Datasheet No. P-001.002.010
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Huperzia phlegmaria* (L.) Rothm.

Subspecies:
Variety:
Cultivar
Hybrid

Image file

2. Synonyms:

Lepidotis phlegmaria (L.) P.Beauv.
Lycopodium phlegmaria L.
Phlegmariurus phlegmaria (L.) Holub
Phlegmariurus phlegmaria (L.) U.Sen & T.Sen
Urostachys phlegmaria (L.) Herter ex Nessel

3.Systematic Position:
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- Class: Equisetopsida C.Agardh
- Subclass: Lycopodiidae Bek.
- Order: Lycopodiales DC. ex Bercht & J.Presl
- Family: Lycopodiaceae P.Beauv. & J. Presl
- Subfamily:
- Genus: *Huperzia* Bernh.
- Species: *Huperzia phlegmaria* (L.) Rothm.
- Subspecies:
- Variety:

4.Distribution:

Global:native to rainforests in Madagascar, some islands in the Indian Ocean, Asia, Australasia and many Pacific Islands

India: Western Ghats-Ponmudi, Munnar, Thekkady, Poringalkuthu

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat: Epiphytic, only species found in coastal areas

8.Life Form:

9.EconomicImportance: Manyclubmosses produce highly flammable spores. Historically clubmoss spore coats have been used in the formation of fireworks and used in flash powders in the early life of photography. Clubmoss spores have also been used in the production of fingerprint powder and in the pharmaceutical industry to coat pills.

10. Probable Progenitor of:

11.DNA

C-value **Methodology**

12.Basic chromosome number(s):x=17^{6}

13. Zygotic chromosome number(s):2n=

14. Gametic chromosome number(s):n=136^{6}

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

Image file

16.Ploidy level:16-ploid (sexual)[6]

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 meiosis16-ploid (sexual): 136II [6]

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.):