Genus Datasheet

Datasheet No. P-051.024 **DBT- Network Programme**
(Family.Genus)

1. Genus:*Leptochilus* Kaulf.

2. Systematic Position:
Christenhusz 2011

- Class: EquisetopsidaC.Agardh
- Subclass: PolypodiidaeCronquist, Takht. &Zimmerm.
- Order: Polypodiales Link.
- Family: Polypodiaceae J. Presl& C. Presl
- Subfamily: Microsoroideae B.K. Nayar
- Genus:*Leptochilus* Kaulf.

3. Species:

Global: Accepted (19), unassessed (95)

India:.

4. Taxonomic riddles:

5. Distribution:

Global:

India:

6. Habit and Habitat:

7.Economic Importance:

8. DNA content range: **Methodology**

9. Basic chromosome number(s):x=36[1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 17, 19, 20] ,

37[15, 16]

10. Zygotic chromosome number(s):2n=72[11] ,

74[15, 16]

11. Gametic chromosome number(s):n=36[1, 2, 3, 4, 5, 6, 9, 10, 12, 13, 14, 17, 19, 20] ,

72[6, 7],

74[15, 16],

12. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene Chromosomes/ Neocentric chromosomes):

13. Ploidy level: Diploid (sexual) [1, 2, 3, 4, 5, 8, 9, 10, 11, 12, 13, 17, 19, 20] ,

Diploid (apogamous)[15, 16] ,

Tetraploid (sexual)[6, 7]

14. Nature of polyploidy (auto, segmental, allo, autoallo):

Meiosis: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 17, 19, 20

17. Banding pattern(s):

bands[121]

18. Physical mapping of chromosomes:

GISH:

19.Phylogenetic relationship atChromosomal; DNAlevel:

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: