

Genus Datasheet

Datasheet No. P-042.004
(Family.Genus)

DBT- Network Programme

1. Genus: *Goniopteris* C. Presl.

2. Systematic Position:
Christenhusz 2011

- Class: Equisetopsida C. Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Thelypteridaceae Pic. Serm.
- Subfamily:
- Genus: *Goniopteris* C. Presl.

3. Species:

Global: Accepted (7), unassessed (98)

India:.

4. Taxonomic riddles:^{1, 4, 6}

5. Distribution:

Global:

India:

6. Habit and Habitat:

7. Economic Importance:

8. DNA content range:

Methodology

9. Basic chromosome number(s): $x=36^{2, 3, 5}$

10. Zygotic chromosome number(s): $2n=72^5$

11. Gametic chromosome number(s): $n=36^{2, 3, 5}$

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

13. Ploidy level: Diploid (sexual) $^{2, 3, 5}$

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

15. Aberrant chromosome number(s) (aneuploidy, aneusomaty, polysomaty):

16. Karyograms:

Meiosis: $^{2, 3, 5}$

17. Banding pattern(s):

18. Physical mapping of chromosomes:

GISH:

19. Phylogenetic relationship at Chromosomal; DNA level:

20. Cytogenetic mechanism (s) underlying evolution:

