

1. Genus: *Verbesina* L.

2. Systematic position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Superasterids
- Clade: Asterids
- Order: Asterales Link
- Family: Asteraceae Bercht. & J. Presl
- Genus: *Verbesina* L.
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Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Dicotyledons
Subclass: Gamopetalae
Series: Inferae
Cohors: Asterales Link
Ordo: Compositae Giseke
Genus: *Verbesina* L.

3. Species:

Global: 29

India: 1

4. Taxonomic riddles:

5. Distribution:

Global: Argentina, Australia, Bolivia, Brazil, Caribbean, Chile, Ecuador, Mexico, New Guinea, Paraguay, USA, Uruguay

India: Bihar, Delhi, Haryana, Karnataka, Madhya Pradesh, Punjab, Rajasthan, Tamil Nadu, Uttar Pradesh

6. Habit and Habitat: Herb or Shrub.

7. Economic Importance:

8. DNA content range:

Methodology

9. Basic chromosome number(s):

10. Zygotic chromosome number(s): $2n = 34^{1-9}$

11. Gametic chromosome number(s): $n = 17^{3,8-12}$

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

13. Ploidy level:Diploid¹⁻⁹

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

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

16. Karyograms:

Meiosis:^{3,8-12}

17. Banding pattern(s):

18. Physical mapping of chromosomes:

GISH:

19. Phylogenetic relationship at:

Chromosomal level

DNA level¹⁴

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: