

Species Datasheet

Datasheet No. A-403.049.001
(family.genus.species)

DBT- 1

1. Taxon:

Species: *Rhynchospermum verticillatum* Reinw.

Subspecies:

Variety:

Cultivar:

Hybrid:

Image file

2. **Synonyms:** *Carpesium scandens* Schult.f. ex Miq., *Laveniarigidawallich*, *Leptocomaracemosa* Less., *Rhynchospermum verticillatum* var. *subsessilis* Oliv. ex Miq., *R. verticillatum* var. *verticillatum*, *Zollingeriascandens* Sch.Bip.

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Superasteride
- Clade: Asterids
- Order: Asterales Link
- Family: Asteraceae Bercht. & J. Presl
- Genus: *Rhynchospermum* Reinw.
- Species: *R. verticillatum* Reinw.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Dicotyledons
Subclass: Gamopetalae
Series: Inferae
Cohors: Asterales Link
Ordo: Compositae Giseke
Genus: *Rhynchospermum* Reinw.
Species: *R. verticillatum* Reinw.

4. Distribution:

Global: Bhutan, Burma, China, India, Japan, Myanmar, Malaya Island

India: North East India, Temperate Himalaya

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Herb.

8. Life Form: Chamaephytes

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C-value

Methodology

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n = 18^{1-6}$

14. Gametic chromosome number(s):

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

Image file

16. Ploidy level:

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 meiosis

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; Translocations etc.):