

Species Datasheet

Datasheet No. A-140.034.004
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Smithiaconferta* Sm

Subspecies:

Variety:

Cultivar:

Hybrid:

Image file

2. **Synonyms:** *Damapanaconferta* (Sm) Kuntze, *Smithiaconfertavar.geminiflora* (Roth)
T. Cooke, *S.geminiflora* Roth, *S.geminifloravar.conferta* Baker, *S.geminifloravar.conferta* Baker, *S.hispidissima* Zoll. & Morong

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Rosids
- Order: Fabales
- Family: Fabaceae Lindl.
- Subfamily: Faboideae Rudd
- Genus: *Smithia* Aiton
- Species: *S. conferta* Sm

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Dicotyledons
Subclass: Polypetalae
Series: Calyciflorae
Cohors: Rosales Bercht. & J. Presl
Ordo: Leguminosae Juss.
Subordo: Papilionaceae Giseke
Genus: *Smithia* Aiton
Species: *S. conferta* Sm

4. Distribution:

Global : Australasia, Australia, China, India, Indonesia, Java, Lesser Sunda Island, Malaysia, Myanmar, Nepal, Philippines, Sabah, Sri Lanka, Sulawesi, Vietnam

India: Andhra Pradesh, Bihar, Dadra-Nagar-Haveli, Daman, Delhi, Diu, Goa, Gujarat, Haryana, Himachal Pradesh, Jammu-Kashmir, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Manipur, Meghalaya, Mizoram, Nagaland, Orissa, Pondicherry, Punjab, Rajasthan, Sikkim, Tamil Nadu, Tripura, Uttar Pradesh, West Bengal

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Non-climbing shrub. Sandy areas, trail sides, mountain valleys

8. Life Form: Chamaephytes

9. Economic Importance: Medicinal value, Antimicrobial and Antiulcer.

10. Probable Progenitor of:

11. DNA

C-value Methodology

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=38^{4,5,6}$

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, aneusomy, polysomy):

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; Translocation etc.):