

Species Datasheet

Datasheet No. A-403.031.001
(family.genus.species)

DBT-1

1. Taxon:

Species: *Grangea maderaspatana* (L.) Poir.
Subspecies
Variety
Cultivar
Hybrid

Image file

2. **Synonyms:** [*Artemisia maderaspatana* L.](#), [*Cotula anthemoides* Lour.](#), [*C. maderaspatana* \(L.\) Willd.](#), [*C. sphaeranthus* Link.](#), [*Grangea adansonii* Cass.](#), [*G. aegyptiaca* \(Juss. ex Jacq.\) DC.](#), [*G. glandulosa* Fayed.](#), [*G. hispida* Humbert.](#), [*G. maderaspatana* var. *maderaspatana*.](#), [*G. maderaspatana* var. *prostrata* Zoll.](#), [*G. mucronata* Buch.-Ham. ex Wall.](#), [*G. sphaeranthus* \(Link\) K. Koch.](#), [*G. strigosa* Gand.](#), [*Tanacetum aegyptiacum* Juss. ex Jacq.](#)

3. Systematic Position:

- APG IV (2016)**
- Kingdom: Plantae
 - Clade: Angiosperms
 - Clade: Eudicots
 - Clade: Superasterids
 - Clade: Asterids
 - Order: Asterales Link
 - Family: Asteraceae Bercht. & J. Presl
 - Genus: *Grangea* Adans.
 - Species: *G. maderaspatana* (L.) Poir.

- Bentham and Hooker (1862)**
- Kingdom: Plantae
 - Division: Phanerogamia
 - Class: Dicotyledons
 - Subclass: Gamopetalae
 - Series: Inferae
 - Cohors: Asterales Link
 - Ordo: Compositae Giseke
 - Genus: *Grangea* Adans.
 - Species: *G. maderaspatana* (L.) Poir.

4. Distribution:

Global: Burma, Cambodia, China, India, Indonesia, Laos, Madagascar, Malaysia, Nepal, Pakistan, South Africa, Sri Lanka, Thailand, Vietnam

India: Throughout India

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

6. Threat Status:

IUCN: Least Concern

BSI:

7. Habit and Habitat: Herb. The species occurs on the edges of ponds, canals and ditches, rice fields, in seasonal wetlands and on river banks or in temporarily dry river beds

8. Life Form: Chamaephytes

9. Economic Importance: This species has been used as an antiseptic, antispasmodic, deobstruent and in many other medicinal uses. The roots are antiseptic and an infusion is applied externally and taken internally for the treatment of piles.

10. Probable Progenitor of:

11. DNA

C-value Methodology

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n = 16^{1,2}$, $2n = 18^{3,4,5,6}$

14. Gametic chromosome number(s): $n=9^{7,8}$

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;Translocationsetc.):