

Genus Datasheet
DBT- Network Programme

Datasheet No. A-403.031
(family.Genus)

1. Genus: *Grangea* Adans.

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: *Grangea* Adans.

Bentham and Hooker (1862)

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

3. Species:

Global: 8

India: 1

4. Taxonomic riddles:

5. Distribution:

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

India: Throughout India

6. 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.

7. Economic Importance: *G. maderaspatana* has been used as an antiseptic, antispasmodic, deobstruent and in many other medicinal uses.

8. DNA content range:

Methodology

9. Basic chromosome number(s):

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

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

12. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene Chromosomes/ 1 chromosomes):

13. Ploidy level:

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

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

16. Karyograms: **Meiosis:** ^{7,8}

17. Banding pattern(s):

18. Physical mapping of chromosomes:GISH:

19. Phylogenetic relationship at:

Chromosomal level

DNA level^{9,10}

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: