

1. Genus:*Galearis*Raf.

2. Systematic Position:

APG IV

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales Link
- Family: OrchidaceaeJuss.
- Subfamily:Orchidoideae
- Tribe: Orchideae
- Subtribe: Orchidinae
- Genus: *Galearis* Raf.

3. Species:

Global: 10

India:2

4. Taxonomic riddles:

5. Distribution:

Global: Alabama, Alaska, Alberta, Arkansas, British Columbia, China North-Central, China South-Central, China Southeast, Connecticut, Delaware, District of Columbia, East Himalaya, Georgia, Greenland, Illinois, Indiana, Iowa, Japan, Kamchatka, Kansas, Kentucky, Khabarovsk, Korea, Kuril Is., Maine, Manchuria, Manitoba, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Montana, Myanmar, Nebraska, Nepal, New Brunswick, New Hampshire, New Jersey, New York, Newfoundland, North Carolina, Northwest Territorie, Nunavut, Ohio, Oklahoma, Ontario, Pennsylvania, Primorye, Qinghai, Québec, Rhode I., Sakhalin, Saskatchewan, South Carolina, Tennessee, Tibet, Vermont, Virginia, West Himalaya, West Virginia, Wisconsin, Wyoming, Xinjiang, Yukon

India: Arunachal Pradesh, Sikkim, Uttarakhand, Himachal Pradesh

6. Habit and Habitat:Terrestrial rhizomatous herb

7.Economic Importance:

8. DNA content range:

Methodology

9. Basic chromosome number(s):

10. Zygotic chromosome number(s):

11. Gametic chromosome number(s):

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

13. Ploidy level

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

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

16. Karyograms:

Meiosis:

17. Banding pattern(s):

bands¹²¹

18. Banding pattern(s):

19. Phylogenetic relationship at Chromosomal; DNA level:

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: