Genus Data Sheet

Datasheet No. A-078.004
(Family.Genus)

DBT- Network Programme

1. Genus:*Floscopa*Lour.

2. Systematic position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Clade: Commelinids
- Order: Commelinales Mirb. ex Bercht. & J. Presl
- Family: Commelinaceae Mirb.
- Genus: *Floscopa*Lour.

Bentham and Hooker (1862)
Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Coronarieae
Ordo: Commelinaceae Mirb.
Genus: *Floscopa*Lour.

3. Species:

Global: 22

India: 1

4. Taxonomic riddles:

5. Distribution:

Global: Australia, Bangladesh, Bhutan, China (Fujian, Guangdong, Hainan, Hunan, Jiangxi, Sichuan, Tibet, Yunnan, Zhejiang); India, Indonesia, Lao People's Democratic Republic, Malaysia, Myanmar, Nepal, Sri Lanka, Thailand, Vietnam

India: Andhra Pradesh, Assam, Andaman and Nicobar Island, Arunachal Pradesh, Karnataka, Kerala, Madhya Pradesh,Maharashtra, Meghalaya, Mizoram, Manipur, Nagaland, Orissa, Sikkim, Tamil Nadu, West Bangal, Uttar Pradesh.

6. Habit and Habitat: Aquatic or semiaquaticherb. The species is a perennial or occasionally annual. It is mostly found in muddy soils along streams and in swamps, in shade, at the edge of forests. It also grows in open marshy places, ditches, drying pools and canal.

7.Economic Importance: The juice of *F. scandens* is squeezed into the eyesin case of sore eyes and ophthalmia. It is also used in the treatment for broken bones.

8. DNA content range:

2C

Methodology

4C

9. Basic chromosome number(s): $x=6^{5}$

10. Zygotic chromosome number(s): $2n=12^{4,5}22^{1}24^{6,7,10,11}30^{2}54^{9}$

11. Gametic chromosome number(s): $n=11^{1}12^{10,12}15^{2,3}$

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):

18. Physical mapping of chromosomes:GISH:

19.Phylogenetic relationship atChromosomal; DNAlevel:

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map: