

Species Data Sheet

Datasheet No. A-098.015.003
(family.genus.species)

DBT- Network Programme

1. Taxon: *Juncellus* C.B.Cl

Species: *Juncellus laevigatus* (L.) C.B.Cl

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Cyperus laevigatus* L., *Acorellus laevigatus* (L.) Palla, *Chlorocyperus laevigatus* (L.) Palla, *Juncellus laevigatus* (L.) C.B. Clarke, *Pycneus laevigatus* (L.) Nees

3. Systematic position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocots
- Clade: Commelinids
- Order: Poales Small
- Family: Cyperaceae Juss.
- Genus: *Juncellus* C.B.Cl
- Species: *J. laevigatus*

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Glumaceae
Ordo: Cyperaceae Juss.
Genus: *Juncellus* C.B.Cl
Species: *J. laevigatus*

4. Distribution:

Global: India

India: Kerala

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

6. Threat Status:

IUCN: Least Concern

BSI:

7. Habit and Habitat: Herb

8. Life Form: Perennial

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C-value

Methodology:

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=46^1$

14. Gametic chromosome number(s): $n=43^1$

15. Specialized chromosomes (B chromosomes/Sex chromosomes/polytene chromosomes/Neocentric chromosomes):

Image file

16. Ploidy level:

Image file

17. Agamete ploidy:

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):