

Genus Datasheet JamU+CalU+SUK-Phase I

Datasheet No. A-416.011
(Family.Genus)

DBT- Network Programme

1. Genus:*Centella* L.

2. Systematic position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicot
- Clade: Asterids
- Clade: Campanulids
- Order: Apiales Nakai
- Family: Apiaceae Lindl.
- Genus: *Centella* L.

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Polypetalae
- Series: Calyciflorae
- Cohors: Umbellales
- Ordo: Umbelliferae Juss.
- Genus: *Centella* L.

3. Species:

Global: 50

India: 1

4. Taxonomic riddles:

5. Distribution:

Global: Alabama, Andaman Island, Angola, Argentina Northeast, Argentina Northwest, Assam, Bahamas, Bangladesh, Belize, Benin, Bolivia, Borneo, Botswana, Brazil Northeast, Brazil South, Brazil Southeast, Brazil West-Central, Burkina, Burundi, Cabinda, Cambodia, Cameroon, Cape Provinces, Cape Verde, Caprivi Strip, Cayman Island, Central African Repu, Chad, Chatham Island, Chile Central, Chile South, China, Colombia, Comoros, Congo, Costa Rica, Cuba, Dominican Republic, East Himalaya, El Salvador, Equatorial Guinea, Eritrea, Ethiopia, Fiji, Florida, Free State, Gabon, Galápagos, Gambia, Ghana, Guatemala, Guinea, Guinea-Bissau, Gulf of Guinea Island, Haiti, Honduras, India, Iran, Ivory Coast, Jamaica, Japan, Jawa, Juan Fernández Island, Kenya, Korea, KwaZulu-Natal, Laos, Leeward Island, Lesotho, Lesser Sunda Island, Liberia, Madagascar, Malawi, Malaya, Mali, Maryland, Mauritania, Mauritius, Mexico Northeast, Mexico Southeast, Mozambique, Myanmar, Namibia, Nansei-shoto, Nepal, New Caledonia, New South Wales, New Zealand North, New Zealand South, Nicaragua, Nicobar Island, Niger, Nigeria, Northern Provinces, Ogasawara-shoto, Pakistan, Paraguay, Philippines, Puerto Rico, Queensland, Rodrigues, Rwanda, Réunion, Samoa, Saudi Arabia, Senegal, Sierra Leone, Socotra, Solomon Island, Somalia, South Australia, South Carolina, Sri Lanka, Sudan, Swaziland, Taiwan, Tanzania, Tasmania, Texas, Thailand, Togo, Tonga, Transcaucasus, Trinidad-Tobago, Turks-Caicos Island, Uganda, Uruguay, Venezuela, Victoria, Vietnam, Virginia, Wallis-Futuna Island, Western Australia, Windward Island, Yemen, Zambia, Zaïre, Zimbabwe, Ascension, Bermuda, Chagos Archipelago, Cook Island, Hawaii, Niue, Norfolk Island, Seychelles, Society Island, St. Helena, Tristan da Cunha

India: Throughout India

6. Habit and Habitat:Herb

7.Economic Importance:Medicinal

8. DNA content range:

2C

4C

Methodology

9. Basic chromosome number(s):

10. Zygotic chromosome number(s): $2n=18^{1,2,3,4,5,6,7,8,9,10,11}$; $2n=22^{12,13}$; $2n=54^{14}$

11. Gametic chromosome number(s): $n=9^{4,9,15,16,17}$; $n=36^{15}$

12. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene Chromosomes/ Neocentric chromosomes):Presence of (1-2) B-chromosomes in plants growing in higher al well as subtemperate zones and halophytic zones of plains in addition to their normal chromosomes¹³

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:

22. Any other information:Total number of species with reports = 1/1