

Genus Datasheet

Datasheet No. A-416.023
(Family.Genus)

DBT- Network Programme

1. Genus:*Hydrocotyle* Tourn. ex L.

2. Systematic position:

APG IV (2016)

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

Bentham and Hooker (1862)

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

3. Species:

Global: 167

India: 6

4. Taxonomic riddles:

5. Distribution:

Global: Alabama, Albania, Angola, Antipodean Island, Argentina Northeast, Argentina Northwest, Argentina South, Assam, Austria, Azores, Bahamas, Bangladesh, Belarus, Belgium, Belize, Bermuda, Bolivia, Botswana, Brazil, Burundi, Cameroon, Cape Provinces, Caprivi Strip, Chatham Island, Chile, China, Colombia, Congo, Corse, Costa Rica, Cuba, Czechoslovakia, Denmark, Dominican Republic, East Himalaya, Ecuador, El Salvador, Ethiopia, Falkland Island, Fiji, France, French Guiana, Galápagos, Gambia, Germany, Great Britain, Greece, Guatemala, Guinea, Gulf of Guinea Island, Guyana, Haiti, Honduras, Hungary, Illinois, India, Ireland, Italy, Jamaica, Japan, Jawa, Kentucky, Kenya, Kermadec Island, Korea, Kuril Island, KwaZulu-Natal, Laos, Leeward Island, Lesser Sunda Island, Macquarie Island, Madagascar, Malawi, Marquesas, Mexico Central, Mexico Gulf, Mexico Northeast, Mexico Northwest, Mexico Southeast, Mexico Southwest, Morocco, Mozambique, Myanmar, Nepal, Netherlands, New Guinea, New Mexico, New South Wales, New Zealand North, New Zealand South, Nicaragua, Nicobar Island, Norfolk Island, Northern Provinces, Norway, Ogasawara-shoto, Panamá, Paraguay, Peru, Philippines, Poland, Portugal, Puerto Rico, Queensland, Rwanda, Réunion, Sicilia, Solomon Island, Somalia, South Australia, Spain, Sudan, Suriname, Sweden, Switzerland, Taiwan, Tanzania, Tasmania, Thailand, Togo, Trinidad-Tobago, Tristan da Cunha, Uganda, Uruguay, Venezuela, Vermont, Victoria, Vietnam, West Himalaya, Western Australia, Windward Island, Yemen, Yugoslavia, Zambia, Zaïre, Zimbabwe, Benin, Cabinda, Canary Island, Central American Pac, Chagos Archipelago, Eritrea, Florida, Gabon, Georgia, Ghana, Hawaii, Ivory Coast, Krasnoyarsk, Lesotho, Liberia, Louisiana, Mauritius, Nigeria, North Carolina, North Caucasus, Rodrigues, Sardegna, Senegal, South Carolina, Swaziland

India: Himalaya, Peninsular India

6. Habit and Habitat:Herb

7.Economic Importance:Used in medicine

8. DNA content range:

Methodology

2C

4C

9. Basic chromosome number(s):

10. Zygotic chromosome number(s): $2n=18^{1,10}$; $2n=24^{2,6,11,12,13,14}$; $2n=36^3$; $2n=72^{4,5,6}$; $2n=9$

11. Gametic chromosome number(s): $n=12^{9,14,15}$; $n=36^4$; $n=46^7$; $n=84^8$

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

13. Ploidy level:Octoploid⁶

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: DNA level¹⁶

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: Total number of species with reports = 3/6