

Genus Datasheet

Datasheet No. G-009.001

(Family.Genus)

DBT- Network Programme

1. **Genus:***Afrocarpus*(J. Buchholz & E.G. Gray) C.N. Page

2. **Systematic Position:**

Christenhusz et al. 2011

- Class: Equisetopsida C. Agardh
- Subclass: Pinidae Cronquist
- Order: Araucariales Gorozh.,
- Family: Podocarpaceae Endl.,
- Genus: *Afrocarpus* (J. Buchholz & N.E. Gray) C.N. Page

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Gymnospermeae
Ordo: Coniferae
Tribus: Podocarpeae Dumort.

3. **Species:**

Global: 5

India: 1

4. **Taxonomic riddles:** 6, 7, 8, 9, 10

5. **Distribution:**

Global: Burundi, Congo Republic, Ethiopia, Kenya, Malawi, Mozambique, Rwanda, São Tomé and Príncipe, South Africa, Swaziland, Tanzania, Uganda

India: Meghalaya, Sikkim, Uttarakhand

6. **Habit and Habitat:** Evergreen tree, may reach a height of 60 meters, the species occur in widely varying ecological settings.

7. **Economic Importance:** Timber is most valuable, used for general building purpose, particularly inside work, such as flooring, door, panelling and furniture

8. **DNA content range:**

Methodology

C-value 2C (12.80 pg)⁴ Feulgen microdensitometry⁴

C-value 2C (11.60 pg)⁵ Flow cytometry⁵

9. Basic chromosome number(s): $x=12^{2,3}$,

10. Zygotic chromosome number(s): $2n=24^{1,2,3}$

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

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

13. Ploidy level:Diploid^{1,2,3}

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

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

16. Karyograms: ^{2,3}

Meiosis:³

17. Banding pattern(s):

18. Physical mapping of chromosomes:

GISH:

19. Phylogenetic relationship at Chromosomal; DNA level:

21. Linkage map:

22. Any other information: