Species Datasheet

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Datasheet No. G-009.001.002
(family.genus.species)

1.Taxon:

Species**:** *Afrocarpusgracilior* (Pilg.) C.N.Page
Subspecies:
Variety:
Cultivar:
Hybrid:

Image file:

2. Synonyms:*Afrocarpusfalcatus* subsp. *gracilior* (Pilg.) Silba, *Decussocarpusgracilior* (Pilg.) de Laub.,*Nageiafalcata* var. *gracilior* (Pilg.)Silba, *Podocarpusgracilior*Pilg.

3.Systematic Position:

Christenhusz*et al.*2011

- Class: Equisetopsida C. Agardh
- Subclass: PinidaeCronquist
- Order: AraucarialesGorozh.,
- Family:PodocarpaceaeEndl.,
- Genus:*Afrocarpus*(J.Buchholz&N.E.Gray)
- C.N.Page
- Species: *A. gracilior* (Pilg.) C.N.Page

Bentham and Hooker (1862)
Kingdom: Plantae
Division:Phanerogamia
Class: Gymnospermeae
Ordo: Coniferae
Tribus:PodocarpeaeDumort.

4.Distribution:

Global: Ethiopia to South Africa. Native of Abyssinia, Uganda and Keniya

India: Meghalaya, Uttarakhand, Sikkim

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

6.Threat Status:

IUCN: Least Concern

BSI:

7.Habit and Habitat: Tree,Occurs in montane evergreen rainforest at altitudes from 1,500 m to 2,600 m a.s.l. In a wet type of forest

8.Life Form: Phanerophytes

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

10. Probable Progenitor of:

11.DNA

C-value2C (12.80 pg) [4]**Methodology**Feulgenmicrodensitometry[4]

12.Basic chromosome number(s):x=12[2,3,]

13. Zygotic chromosome number(s):2n=24 [2, 3,]

14. Gametic chromosome number(s):n=12 [2, 3]

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

Image file

16.Ploidylevel: Diploid[2,3]

Image file

17.Agametoploidy:

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

19.Genomic formula:

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

21.Somatic chromosomes:[2,3]

KaryotypeMedian, subterminal and terminal[2,3]

Chromosome size Large[2,3]

NOR chromosome(s)

Degree of asymmetry Asymmetrical[2,3]

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 meiosis12 II[3]

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;Translocationsetc.):