Final Species Datasheet JamU+CalU+SUK-Phase

Datasheet No. A-239.002.004 **DBT- Network Programme**
(family.genus.species)

1. Taxon:

Species: *Buchananiacochinchinensis* (Lour.) M.R.Almeida
Subspecies
Variety
Cultivar
Hybrid

Image file

2. Synonyms:*Buchananialanzan*Spreng., *B. latifolia* Roxb.

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Superrosids
- Clade: Rosids
- Order: Sapindales Juss. Ex Bercht. & J. Presl
- Family: Anacardiaceae R. Br.
- Genus: *Buchanania*Spreng.
- Species: *B.cochinchinensis* (Lour.) M.R.Almeida

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Polypetalae
- Series: Disciflorae
- Cohors: Sapindales Juss. Ex Bercht. & J. Presl
- Ordo: Anacardiaceae R. Br.
- Genus: *Buchanania*Spreng.
- Species: *B.cochinchinensis* (Lour.) M.R.Almeida

4. Distribution:

Global: China, India, Malaysia, Myanmar, Thailand, Laos, Vietnam

India: Throughout the drier parts

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Tree; found in throughout the drier parts, in deciduous forests, ascending up to 1300 m

8. Life Form: Phanerophytes

9. Economic Importance: Fruits are edible,seeds known as charoli (or chironji). The stem is of medicinal value and used for controlling diarrhea. Leaves are used as fooder. Wood is used in frame work

10. Probable Progenitor of:

11. DNA

C-value **Methodology**

12. Basic chromosome number(s):

13. Zygotic chromosome number(s):

14. Gametic chromosome number(s):n=11[1,2,3]

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

Image file

16. Ploidy level:

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:

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;Translocationsetc):