

# Genus Datasheet JamU+CalU+SUK-Phase I

Datasheet No. A-239.002

(Family.Genus)

DBT- Network Programme

1. Genus: *Buchanania* Spreng.

## 2. 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.

### 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.

## 3. Species:

Global: 27

India: 8

## 4. Taxonomic riddles:

## 5. Distribution:

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

India: Throughout the drier parts

6. Habit and Habitat: Tree. Found in the drier parts

7. Economic Importance: Fruits and seeds are edible.

## 8. DNA content range:

2C

4C

## Methodology

9. Basic chromosome number(s):  $x=11^2$

10. Zygotic chromosome number(s):

11. Gametic chromosome number(s):  $n=11^{1,2,3}$

12. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene Chromosomes/

**Neocentric chromosomes):**

**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:DNA level<sup>4</sup>**

**20. Cytogenetic mechanism (s) underlying evolution:** Euploidy has been the main factor for sj  
than aneuploidy<sup>2</sup>

**21. Linkage map:**

**22. Any other information:**