

## **Morphological Studies of Guava (*Psidium guajava*) Plant Small Sized: A Research Paper in the *Nitche* of Botanical Horticulture**

Amit Rastogi

Research Scientist cum Rev Rev Dame Research Assistant Professor cum Chief Operating Officer cum Chief Executive Officer cum Director Executive, Biogeosciences,

An Autonomous Non Employed Non Profit Non Government Non Sharing Research & Development

### **Abstract**

Guava (*Psidium guajava*) is economical medicinal plant of Myrtaceae family with high nutraceutical value. In cultivation Horticulture of Guava small sized plant five parameter were considered viz. Date and Time, Stem Length (All three Stem), Leaves per Stem, Stem Diameter, Leaf Colour. A Table 5 in to 4 was formed to defined experimental data. Experimental day was selected Tuesday dated 22/8/23. There were three stem was/is in Guava plant having stem length 76 cm, 25 cm, 22 cm. Leaves per stem was/is 40 Leaves / Stem with stem length 76 cm, 1 Leaves/Stem with 25 stem length, 4 Leaves / Stem was/is with stem length 22 cm where stem diameter was considered 0.5 Inch, 0.9 Inch, 0.2 Inch respectively. Leaf colour was considered as Green with all three stem. Such guava plant will be considered for Biotechnology, Nanobiotechnology & Biopharmaceutical experimental design which includes Chlorophyll & Phytochemical Bioanalysis, Bionanoparticles Bioanalysis, Micropropagation Studies.

### **Introduction**

Guava (*Psidium guajava*) is economical medicinal plant of Myrtaceae family with high nutraceutical value and is considered to be adopted to tolerate conditions like tolerate frost, drought and salinity. It is widely used as food and in folk medicine all around the world. Guava contains many times higher vitamin C than any other fruits which are rich in vitamin C. The high concentrations of pectin content in guava fruit plays important in cholesterol mentaining to losses the cardiovascular diseases risk. It is low in calories and fats with several antioxidant polyphenolic and flavonoid compounds (<https://www.iosrjournals.org/iosr-javs/papers/Vol10-issue7/Version-2/E1007022835.pdf>). **In the Present Review AmitRastogi is discussing Guava Plant Botinical Horticulture Parameter with future prospects of such plant.**

### **Method and Material & Experiment Design**

In cultivation Horticulture of Guava small sized plant five parameter were considered viz. Date and Time, Stem Length (All three Stem), Leaves per Stem, Stem Diameter, Leaf Colour. A Table 5 in to 4 was formed to defined experimental data. Experimental day was selected Tuesday dated 22/8/23.

**TABLE: 1 EXPERIMENTAL EXPLANATION OF GUAVA SMALL SIZED PLANT**

Date and Day	Stem Length (All three Stem)	Leaves per Stem	Stem Diameter	Leaf Colour
22/8/23 and Tuesday	76 cm	40 Leaves / Stem	0.5 Inch	Green
22/8/23 and Tuesday	25 cm	1 Leaves/Stem	0.9 Inch	Green
22/8/23 and Tuesday	22 cm	4 Leaves / Stem	0.2 Inch	Green

### Result & Discussion

There were three stem was/is in Guava plant having stem length 76 cm, 25 cm, 22 cm. Leaves per stem was/is 40 Leaves / Stem with stem length 76 cm, 1 Leaves/Stem with 25 stem length, 4 Leaves / Stem was/is with stem length 22 cm where stem diameter was considered 0.5 Inch, 0.9 Inch, 0.2 Inch respectively. Leaf colour was considered as Green with all three stem. Such guava plant will be considered for Biotechnology, Nanobiotechnology & Biopharmaceutical experimental design which includes Chlorophyll & Phytochemical Bioanalysis, Bionanoparticles Bioanalysis, Micropropagation Studies.

### Concluding Remark

Such above discussed guava plant was selected because of guava plant is rich in Phytochemical, Biopharmaceuticals to proceed our research till discussed above findings.

### References

<https://www.iosrjournals.org/iosr-javs/papers/Vol10-issue7/Version-2/E1007022835.pdf>