

RESEARCH ARTICLE

Seasonal disease: Foamy bark canker of *Citrus maxima* in the delta region of Tamil Nadu

■ G. Venkatesan and P.S. Sharavanan

SUMMARY

The *Citrus maxima*, commonly called pummelo, are a Rutaceae family. The Canker disease recently had an issue on *Citrus* species in the Delta region of Tamil Nadu. This disease is appeared by foamy oozes from the bark. The infected plant dies slowly in a short period. This study was identified the microorganism causes of foamy disease from bark and infected area. Totally 19 fungi were isolated. Among these 16 fungi were isolated from uninfected bark, 3 fungal species belonging to Ascomycetes, 2 fungal species belonging to Coelomycetes, and 10 species be classed Hyphomycetes and one sterile form, though 11 fungal species were isolated from infected bark foamy ooze, eight Hyphomycetes, one Oomycete, and two sterile forms were isolated. The RPO statistical analysis resulted, the bark fungi have been separated a group fungus from foamy fungi such a few fungi as the *Fusarium*, *Phytophthora*, and yeast have isolated in the foam. Also, the Jaccard's similarity showed 42.105% and dissimilar among to the bark and foamy fungus. The plant was decay, branch dieback and tree death may induce by fungi also that the Canker disease on *Citrus* may be caused by *Phytophthora* fungal species.

Key Words : *Citrus maxima*, Bark foamy canker, Phellophyte/endophytes, *Phytophthora*

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