

## Compatibility of various fluorescent pseudomonads isolates with different plant extracts

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### SUMMARY

In integrated disease management, use of botanical extract or products is one of the effective components to reduce the management cost and eco-friendly. Compatibility of different plant extracts was tested against fluorescent pseudomonads isolates *in vitro* by poison food technique. The leaves of neem while bulb of garlic and onion were used for extracts. Fifteen fluorescent pseudomonads isolates were obtained on King's B medium from the rhizosphere and rhizoplane of plant roots. No inhibiting effect was observed in onion bulb extract, but garlic bulb and neem leaves extracts inhibited the growth of few isolates. Isolate FP-V did not grow under 10 and 15 per cent neem leaves extract. Whereas, FP-X was found to be sensitive *i.e.*, no growth at all the three concentrations (5, 10 and 15 %) of garlic bulb extract, FP-VIII isolate growth was only inhibited at 15 per cent garlic bulb extract.

**Key Words :** Isolation, Fluorescent pseudomonads isolates, Compatibility, Plant extracts

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