SHORT COMMUNICATION

GRAFT AND DODDER TRANSMISSION OF JATROPHA MOSAIC VIRUS DISEASE

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Abstract: The plant of *Jatropha curcas* L. suffer from several diseases, among them Jatropha mosaic virus disease is a newly emerging disease that challenges the productivity of a prospective biofuel crop, *Jatropha curcas*. Jatropha mosaic virus (JMV) disease could not be transmitted either through the vector aphids or through mechanically, but disease could be transmitted by grafting from donor *J. curcas* to healthy *J. curcas* and also from *J. gossypiifolia* to *J. gossypiifolia* but not from *J. curcas* to *J. gossypiifolia* and vice versa and the disease could also be transmitted successfully through dodder. 80% of the dodder transmitted *J. curcas* plant developed distorted symptoms within 15 days after inoculation.

Keywords: JMV, *Jatropha curcas*, *Jatropha gossypiifolia*, Grafting, Dodder

REFERENCES


