

In Vitro* Evaluation of Rhizobacterial Strains from Groundnut on Growth of Aflatoxigenic *Aspergillus Flavus

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ABSTRACT

Groundnut production, productivity and quality is often challenged by many biotic stresses including foliar and soil borne pathogens. Among these, aflatoxin contamination is an important qualitative issue that occurs both pre-and post-harvest stages. It affects kernel quality and thus trade. Although different management strategies were followed for the control of aflatoxin contamination, there is no effective strategy at field level to manage aflatoxin contamination. Biological control would be a viable option which can be sustainable in long run. In the current study a total of seven rhizobacterial strains including *Streptomyces* spp. were tested against *Aspergillus flavus* toxigenic strain (Af 11-4) through dual culture technique. Among these isolates KAI-26 and KAI-27 have shown inhibition percentage of 75%, 63.75% with radial growth of 2.00, 2.90 cm, respectively.

Keywords: Aflatoxin, *Aspergillus flavus*, Dual culture technique, Groundnut and *Streptomyces* spp.