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antifungal agent Griseofulvin was determined. The fungi used were Aspergillus flavus, A. niger and Rhizoctonia solani. The antagonists were: Pseudomonas flourescens, Escherichia coli, Bacillus subtilis and B. pumilus. The results obtained showed that the degree of antagonistic activity against the fungal isolates varied. In vitro bioassay using the disc diffusion technique showed that Bacillus pumilus had considerable degree of antagonistic activity against Aspergillus flavus with MIC value of 2.0 while Escherichia coli had significant activity against Rhizoctonia solani (2.0) and Aspergillus flavus (4.0). The antagonistic activity of Pseudomonas flourescens against Aspergillus niger was observed within 24-48 h of growth. Varying degrees of activity were observed after incubation period using the known antifungal agent Griseofulvin against fungal isolates and its activity against Aspergillus niger far exceeded 48 h. The minimal inhibitory concentration obtained using the agar well diffusion technique and measured in percentage varied considerably. The least concentration for inhibition was 2.0 using bacterial metabolites while the antifungal agent was able to inhibit the growth of a fungus at concentration of 0.5. The metabolites exhibited stronger antifungal effect at higher concentration and the preliminary results of the investigation appears to indicate the suitability of bacteria isolates in the antagonism of fungal pathogens of cassava.

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