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Study effects of plant extracts from *Conocarpus erectus* and *Mytrus communis* on the growth of some fungi isolated from different types of insects

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Abstract : This study was done to find the effects of two plants extracts *Monocarps erectus* and *Mytrus communis* against the growth of three types of fungi :*Aspergillusflavus , Alternaria alternata* and *Macrophomina phaseolina.* In comparison with three kinds of chemical antibiotics (cefuroxime axetil, fluconazole and metranazole) , the extraction was done by using two types of solvents acetone and ethyl acetate.The results showed a potential activity for both plants as antifungal agents. The inhibition zones of the *A. flavus* have showed 0.4, 0.2 and 0.1 cm with *C. erectus , M. communis* and *Fluconazole* respectively , both cefuroxime axetil and metranazole were not effective against *A. flavus.* While the inhibition zones of the *A. alternata* were 2.1 and 0.6 cm with *C. erectus* and *M. communis* respectively. All three types of chemical antibiotics were not effective against *A. alternata* , while for *M. phaseolina*, the inhibition zones were 3.2, 2.5 and 0.2 cm , with cefuroxime axetil, *M. communis* and *C. erectus* respectively, whereas both fluconazole and metranazole were not effective against *M. phaseolina*.

Keywords: *Conocarpus erectus*, *Mytrus communis*, insects, fungi.

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