Document Type	: Thesis
Document Title	: Effect of Leaf and Seed Extracts of Neem (Azadirachta Indica .A. Juss) on The Growth and Pathogencity of Some Plant Pathogenic Fungi تأثير مستخلصات أوراق وبذور النيم على النمو والقدرة الإمراضية لبعض الفطريات الممرضة للنبات
Document Language	: Arabic
Abstract	: Three lab experiments were conducted in the Dep. of Arid land Agric., Faculty of meteorology, Environment and Arid Land Culture, King Abdulaziz Univ. to study the linear growth, spore germination and pathogenicity of some plant pathogenic fungi under for the first second experimental the effect of aqueous and ethanolic extracts of the neem leaves and seeds. The aqueous and ethanolic extracts at the concentrations 1:1, 1:10, 1:100 and 1:1000 were studied on the linear growth and spore germination of Alternaria alternate, Pythium aphanidermatum, Helminthosporium spp., Fusarium oxysporium, Bipolaris sorokiniana and Thilaeviobsis sp. The effect of the extracts at the ratio 1:1 were also studied on the pathogenicity of P. aphanidermatum, causing damping off on cucumber seedlings from 8-48 hrs. The main results for the first experiment revealed that the ethanolic extract of the neem seeds had the best effect followed by the ethanolic leaf extract then the aqueous seed extract on the linear growth of the flowing fungi: Alternaria alternate, Pythium aphanidermatum, Helminthosporium spp. and Bipolaris sorokiniana. On the other hand better suppression of the growth of Thilaeviobsis sp was obtained when the aqueous seed extract was used compared to either the ethanolic seed or leaf extracts. Linear growth Fusarium oxysporium, however, was not significantly affected by any of the tested extracts. No effect was detected of the aqueous followed by the ethanolic seed extract showed the best results on Alternaria alternate, Pythium aphanidermatum, Helminthosporium spp., Fusarium oxysporium for fungal spores. Spore germination of the selected fungi, the aqueous followed by the ethanolic seed extract. Bipolaris sorokinana spore germination of fungal spores. Spore germination of the selected fungi, the aqueous followed by the ethanolic leaf extract. Bipolaris sorokinana spore germination of fungal spores. Spore germination of the selected fungi, the aqueous followed by the ethanolic leaf extract. Bipolaris sorokinian spore germ
Supervisor	أ.د. فهد بن عبدالرحمن الفاسي .أ.د. يحيى بن حمزة سنبل :
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