Document Type	:	Thesis
Document Title	:	*Environmental food and mound charctaristics of small Najden temites, Microtermes najdensis in Makkah* *البيئة الغذائية وخصائص أعشاش النمل الأبيض النجدي الصغير Microtermes najdensis بمنطقة مكة المكرمة*
Document Language	:	Arabic
Abstract	:	In this study one location was chosen as a representative for Makka Al-Mukkramah province to study the tunnels shapes and the most important of the chemical components that used by workers in nest and tunnels building by the small najden termites, Microtermes najdensis in the most dominant if ested plants in Hada Al-Sham and were included: Eucalyptus rostrata, Phoenix SP., Tamarix nilotica , Ficus infectoria, Olea europea, Pithecellobium dulce, Azadirachta indica, Conocarpus erectus, Ziziphus spinachrista, Simmondisia chinenses In the other hand, we surveyed 40 plant that wide distributed in Hada Al-Sham and we found all infested by M. najdensis. Also, the shape structure of tunnels were determined in all host plants which made by the workers, and found that the diameters of tunnels ranged between ½ cm to 15 cm. Field observations indicated the importance and functional significance e of this meandering structures of tunnels shapes including temperature, humidity control, and storage chambers that facilitated foraging activities. On other side, samples tunnels and surrounding soils collected in order to analyzed and compared to determine how worker of termites changed to chemical composition of soils from which their construction were derived. The most suitable statistical analysis were used to compare our field and lab data. Different control methods were mentioned in last chapter to decrease the population numbers of M. najdensis before attacking or infested host plants.
Supervisor	:	أ.د/خالد بن محمد سعيد الغامدي
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