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Survey study of some fungi associated with date palm (*Phoenix dactylifera* L.) soils in Abu-Al-Khasseb south of Basra.

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Authors: [Alaa Naser Ahmed](#), [Abdulrahman D. Alhamd](#)
Affiliation: Date Palm Research Center, University of Basra, Basra, Iraq
Author Email: alaa.naser1971@gmail.com



Abstract

This work was conducted to clarify fungi species in the soils of date palm. Study period revealed the existence of isolates belonging to 16 species of fungi trace to 8 different genus each underserved and unserved soil samples. The study showed the difference of the presence of fungi species in samples of soils as it was the highest percentage for the emergence of fungi *A. terreus* and *A. niger* in underserved and unserved soils recorded 44.99% and 43.33% respectively, while the lowest percentage recorded for the emergence of fungi were 1.25% and 1.66% for *Alternaria citri* and *A. tamarii* respectively. The study also showed that the presence of significant differences between the averages and that depending on the season, it was the highest percentage for the emergence of fungi recorded for *A. niger* and *A. terreus* 45.83% and 39.16% for the end and begining of the season. The lowest was recorded percentages for the emergence of fungi were 0.42 and 0.83% for *A. tamarii* and *Alternaria citri* respectively.

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Indexing Terms

Descriptors

- dates
- soil fungi
- soil flora

Organism Descriptors

- Phoenix dactylifera
- Aspergillus terreus
- Aspergillus niger
- Alternaria citri
- Aspergillus tamarii

Geographical Location

- Iraq

Broader Terms

- Phoenix
- Arecaceae
- Arecales
- commelinids
- monocotyledons
- angiosperms
- Spermatophyta
- plants
- eukaryotes
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- Trichocomaceae
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