
CONTROL OF FUNGI AND THEIR TOXINS IN CORN GRAINS{ZEA MAYES-L}BY USING SOME PLANT EXTRACTS

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Corn maize (*Zea maize* L.) is one of the most important grain crops all over the world. It is used mainly for animal feeding, poultry wealth either as green fodder or a main component of dry feed and human consumption in some developing countries. It also plays an important role in the diet of millions of African people due to its high yields per hectare, its ease of cultivation and adaptability to different agro-ecological zones, versatile food uses and storage characteristics. It plays an important role in the economy in rotation and in animal feed, alcohol fermentation and direct human consumption. The objectives of the current study were: (1) Isolation and identification of different storage fungi associated with corn grains. (2) Studying the activity of these fungi and their ability for production of mycotoxins. (3) Study the effect of these fungi and their mycotoxins on the chemical composition of corn grain. (4) Study the effect of *Aquilegia vulgaris* L extract for the inhibition of *Aspergillus* growth and aflatoxins production and (5) Biological evaluation of effect of *Aquilegia vulgaris* L extract as a protective against aflatoxicosis in laboratory animals. Corn grain samples (*zea mays*) were collected from five governorates in Egypt (i.e. Kafr El-Shikh, Gharbia, Sharkia, Qualubia and Bany Swief) during 2006/2007 season. Isolation and identification of associated fungi was carried out on sterilized and un-sterilized of each samples within turn tests (Le. PDA and blotter test). Detection how UNI*t