



# PRODUCTION OF FUMAGILLIN BY *ASPERGILLUS FUMIGATUS* ISOLATED FROM TRADITIONAL TRITURATION UNITS, “MAASRA”, IN MOROCCO

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## ABSTRACT

Olive oil production in Morocco is carried out at traditional trituration units called “maasras”. The thermophilic mycobiota present in these places was studied, from which strains of *Aspergillus fumigatus* were identified by classical and molecular methods (ITS region from the rDNA). Selected strains of *A. fumigatus* were tested for fumagillin production using a quantitative analysis by HPLC. More than 700 thermophilic strains were obtained from “maasras” studied. The predominant species was *A. fumigatus* (31%). Eleven strains (50%), out of 22, of *A. fumigatus* were capable of producing fumagillin ranging from 4.55-46.48 ng/g of wheat dry weight.

**Key words:** *Aspergillus fumigatus*, fumagillin, Morocco, thermophilic mycobiota.

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