tion, by biotic or abiotic stimuli, of the plant cells in culture. It is hypothesized that elicitation in tissue culture can enhance secondary metabolism in general.

To test this hypothesis, the current work aims to establish a model tissue culture system, in order to monitor the production of 6-methoxymellein (6MM), a phytoalexin of Duscus carota, after elicitation with culture filtrate of the fungus Selerotion rolleii.

Data are presented on the investigation that has been carried out to construct a noded system of the insupension culture. Different cell lines and culture models are been tested and a HPUC method for monitoring 6-MM production has been developed. Other important culture parameters as fresh weight, who weight, HI and visibility have been investigated. The greatest 6-MM production (600 ag/culture) was obtained with the cell line 3-Li inchanted in the light with the culture medium. One of the cell in the cell in the light with the culture medium. One of the specific color of the cell in the light with the culture medium.

PRODUCTION OF CYTOCHALASINS BY PHOMA EXIGUA VAR. HETEROMORPHA

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The cytochalasins are a group of fungal metabolites showing characteristic biological activities, including inhibitory effect on specific tissues or organs, toxicity to animals, bacteria, algae, fungi and protozoans. Some cytochalasins are also known for their phytotoxic activity.

The analysis of the CH₂Cl₂ organic culture extracts of *P. exigua* vas. heteromorpha (Schulzer et Sacc.) Noordeloos et Boerema, responsible of a severe foliar blight of Oleander, led to the purification of the known cytochalasins A and B.

A further investigation on the organic extracts revealed the presence of two more cytochalasins: deoxaphomin, and a new cytochalasin, named ascochalasin. The investigations up to now realized made it possible to establish the presence of some other cytochalasins.

Using IPIC is combination with HPITIC methods cytochalasins A and B were detected in Olemelr leaves naturally infected by the finguous, suggesting that these two metabolites could play a role in the disease. However, it appears that the extendables have early a limited importance in Olemelre failer highly because, even if they are notic to tomous seedlings, no totic symptoms were observed either on the healthy olemelre farewer on mounts currings, offer injections with cytochalasins. As a series of the control o

The structure-activity relationship of chyrochalastiss A and B was studied by biological states on Aeronia studies, contains soedling. Generichem carefulare and Bestillus regarderiem. Using some their derivatives and similar natural compounds, it appears that the size and the conformational freedom of the macrocyclic ring are important for biological activity. Mecoreur, medications of the hydroxy group on the conformation of the properties of the properties of the properties of the properties. The properties of the properties of the properties of the properties of the properties.