

<i>Naziv projekta:</i>	Mycotoxin synthesis inhibition by collaboration with Chinese Herbs and the application in food industry for the purpose of food protection
<i>Sažetak projekta</i>	Fungi are particularly widespread organisms in nature. Some are used for food production while others cause diseases of plants, animals and humans. A number of fungi produce toxic compounds – mycotoxins. Fungal food contamination is unavoidable and animals as well as humans are exposed to chronic and acute impact of mycotoxins. The project investigated efficacy of Chinese traditional medicinal herbs with addition of synthetic and natural substances at different water activity environment in order to reduce mycotoxin concentration. Antifungal effect of selected substances was investigated in in vitro (linear growth inhibition, changes of viable spore numbers as well as inhibition of spore germination) conditions. During research, the ability of selected substances to inhibit mould growth and mycotoxin production was assessed at different water activity levels in order to establish hurdle effect of different environmental conditions (water activity, selected substance and temperature).
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