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Cultures of medicinal plants *in vitro* (II)

Abstract

This thesis deals with the plant cultivation *in vitro*. I studied the influence of oxidative stress, which was caused by the action of hydrogen peroxide (in concentrations 10 mmol/l, 1 mmol/l and 0,1 mmol/l), on the production of flavonoids in the callus and suspension cultures of *Ononis arvensis* L. The assay of flavonoids was determined by means of the photometric method. I proved the eliciting effect of hydrogen peroxide in all used concentrations on the production of flavonoids by the callus and suspension cultures of *Ononis arvensis* L.