

Olga Kolářová

Factors influencing secondary metabolite production in plant cell cultures

The influence of silver ions as an elicitor on the production of scopoletin in cell suspension cultures of *Angelica archangelica* L. was investigated. The cultures were cultivated in Murashige and Skoog medium on a roller at 25 °C, and incubated in 16/8 h light/dark photoperiod. Scopoletin content within the cells and in the culture medium was determined by high performance liquid chromatography. Scopoletin production in cell cultures was not improved in response to the elicitor treatment.