

## **Indukcja, namnażanie i przechowywanie tkanki embriogennej świerka serbskiego w warunkach ciekłego azotu**

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## **Induction, proliferation and maintenance of embryogenic tissues of Serbian spruce in liquid nitrogen**

### **Summary**

*Picea omorika* (Pančić.) Purk. is an endemic species, threatened with extinction in the wild. Besides, it is a valuable species for nursery production. Hence it is necessary to protect its genetic resources *ex situ*. Somatic embryogenesis is a very beneficial micropropagation method because of potentially high regeneration rate and possibilities to maintain embryogenic tissue and somatic embryos in liquid nitrogen (LN). That is why the aim of this study was to induce embryogenic tissue culture of *Picea omorika* (Pančić.) Purk.

### **Key words:**

*Picea omorika*, somatic embryogenesis, growth regulations, sucrose, silica gel, cryopreservation

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