PRACE EKSPERYMENTALNE

Gentiana kurroo (Royle) w kulturach *in vitro*

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biotechnologia

3 (62) 267–274 2003

In vitro culture of *Gentiana kurroo* (Royle)

Summary

The aim of the presented paper is to show the present status of *in vitro* studies of *Gentiana kurroo* (Royle). Experimental material originated from seedlings, organs of regenerants, callus tissue, cell suspensions and isolated protoplasts. Two years of experiments proved very high morphological potential of plant material originated from various system of cultures. The mostly used media were those based on Murashige and Skoog medium, but for protoplast cultures, Kao and Michaluk medium appeared to be most useful. Numerous plant growth regulators with various concentrations and combinations controled plant regeneration of studied gentiana. Plant regeneration *via* somatic embriogenesis was observed in the majority of the studied culture systems.

Key words:
plant regeneration, somatic embryogenesis, various seedling and plantlets explants, protoplast culture, PGR.