

## MONITORING OF ENVIRONMENTAL IMPACT OF GENETICALLY MODIFIED PLANTS

BOŠKOVIĆ JELENA<sup>1</sup>, VASILJE ISAJEV<sup>2</sup>, ŽELJANA PRIJČ<sup>1</sup>, ALEKSANDAR  
IVANČ<sup>1</sup>, VESELINKA ZEČEVIĆ<sup>1</sup>, GORDANA DOZET<sup>1</sup>

<sup>1</sup> Faculty of Biofarming, Maršala Tita 39, Bačka Topola, Serbia, <sup>2</sup> Faculty of  
Forestry, Kneza Višeslava 1, Belgrade  
[jboskovic@biofarming.edu.rs](mailto:jboskovic@biofarming.edu.rs)

### ABSTRACT - MONITORING OF ENVIRONMENTAL IMPACT OF GENETICALLY MODIFIED PLANTS

In this paper some of the most important problems related to the GM crops in the environment have been discussed on the following aspects such as: plant protection, ecological effects of HRCs, gene flow, biodiversity, stress, ecological risks of Bt crops, effects on the soil ecosystem, etc. There is a clear need to further assess the severity, magnitude and scope of risks associated with the massive field deployment of transgenic crops.

**Keywords:** biotechnology, GMCs, plant protection, biodiversity

### ABSTRAKT - MONITORING UTICAJA GENETIČKI MODIFIKOVANIH BILJAKA NA ŽIVOTNU SREDINU

U ovom radu obrađeni su neki problemi vezani za GM biljke u spoljašnjoj sredini i to sa aspekta: zaštite biljaka, ekološkog efekta HRCs, gene flow, biodiverziteta, stresa, ekološkog rizika od Bt biljaka, efekti na zemljište itd. jasna je potreba za proučavanjem rizika na životnu sredinu usled naglog širenja transgenih useva.

**Ključne reči:** biotehnologija, GMCs, zaštita biljaka, biodiverzitet