

SOLANINE AND CHACONINE – MAIN GLYCOALKALOIDS OF POTATO (*SOLANUM TUBEROSUM* L.)

Summary

Potato contains two major steroidal glycoalkaloids, solanine and chaconine, also called “total glycoalkaloids” (TGA). Total glycoalkaloids accumulate in all plant organs, including tubers. These glycoalkaloids are mainly responsible for plant resistance to herbivores, as well as diseases caused by fungi and

bacteria. They may also affect human health. That is why attention was also paid to toxic effects of TGA’s overdoses after tubers consumption. In this review, the most important information about synthesis, degradation, occurrence and toxic properties of TGA are described.