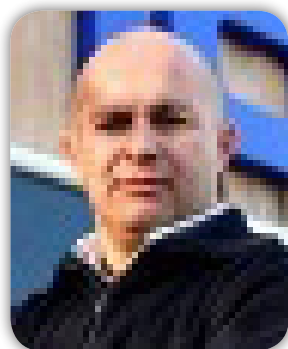


Satellite Symposium for Euro Global Summit & Medicare Expo on

Weight Loss



Identification and determination of ganodermic acid like bioactive compounds in samples from the medical mushroom reishi (*ganoderma lucidum*) and weight maintenance

Miodrag Stojanovic
Univeristy of Bitola, Macedonia

Mushrooms constitute a kingdom of organisms - Fungi, which is separate from the other two kingdoms organized higher eukaryotes: plants - Plantae and animals - Animalia. Given the growing global interest in natural sources of bioactive components, makrofungite is a huge resource for expanding the diversity of chemical components from natural sources that could find application in therapeutic purposes. Biosynthesis of different groups of secondary metabolites, polysaccharides and protein components, and the content of essential trace elements (selenium, germanium, etc.) makes fungi valuable natural source of bioactive components with different therapeutical applications: antioxidant, antimicrobial and anticancer compounds, components who degrading the level of cholesterol in blood, boost immune system, etc. act as immunosuppressants and weight maintenance. This increasing interest in functional foods represents a paradigm shift from eliminating "bad" to increasing the "good" components that one consumes. The purpose of this research is to investigate the presence of secondary metabolite Ganoderic acid in different samples prepared by medical fungus *Ganoderma lucidum* using HPLC for identification and determination of GA in samples. Besides the identification and quantification of the test component, the paper is intended to provide a detailed review of the literature data relating to its bioactive action and therapeutic potential.

Ganoderic acids term refers to a group triterpenoids (lanosterol derivatives) identified in fungi of the genus *Ganoderma*. The research results should provide better knowledge of the therapeutic properties of this medical and act on methablism and weight maintenance.

Biography

Miodrag Stojanovic is a Master degree student on the Nutritional Studies at the St. Kliment Ohridski University of Bitola, Faculty of Technology and Technical Sciences – Veles. He has completed (graduated) his Bh.sc.eng studies at the UKIM Technology Sciences Faculty – Skopje. He is Owner of the Novus-trade company and Owner of the nutrition health company Dr.Robinson – Skopje with over 8 years of experience in healthy food and life. He was representative person for BACKALDRIN – Austria (2004 – 2008) and has own bakery for presentation and making healthy products.

miki.novus@gmail.com

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