



BOOK OF ABSTRACTS

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# PRODUCTION TECHNOLOGY OF PANICUM MILIACEUM - MILLET IS FUNCTIONAL FOOD FOR ANEMICAL PEOPLE - RICH WITH MAGNESIUM AND IRON

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## Abstract

*Panicum miliaceum* - millet is a gluten-free cereals with high nutritional value, rich in proteins, carbohydrates, phytic, phenolic and salicylic acids, minerals and vitamins: phosphorus, magnesium, iron, calcium, potassium, zinc and B complex vitamins. Millet flour is added to wheat flour to make bread and pastries and the aim is to obtain products with improved nutritional value. Before use, millet should be soaked in water for 6-12 hours, and only then thermally processed (cooked). Heat treatment affects the reduction of phytic acid content. Due to the high content of salicylic acid, millet is used in cosmetics, and it also has antifungal and anticancer properties. The grain is rich in magnesium and iron, which is why it is used by people suffering from anemia and cardiovascular diseases. The aim of this study is to indicate the importance of millet, production technology, yielding potential, nutritional value of the Biserka variety and impact on health.

*Key words: Millet Biserka, functional food, production technology, antifungal and anticancer properties.*

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