

Nutritional Value of Rabbit Meat after Contamination with 1,1-Dimethylhydrazine

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Abstract : In this article reduced nutritional value of the rabbits' meat at 1, 1 dimethylhydrazine experimental toxicosis is shown. The assay was performed on liquid chromatograph SHIMADZU LC-20 Prominence (Japan) with fluorometric and spectrophotometric detector. This research has revealed that samples of rabbit meat of the experimental group had significant differences from the control group: in amino acids concentration from 1.2% to 9.1%; vitamin concentration from 11.2% to 60.5%, macro – minerals concentration from 17.4% to 78.1% and saturated fatty acids concentration from 17,1% to 34.5%, respectively. The decrease in the chemical composition of rabbits' meat at 1,1 dimethylhydrazine toxicosis may be due to changes in the internal processes associated with impaired metabolic homeostasis of animals.

Keywords : 1,1-dimethylhydrazine, metabolic homeostasis, nutritional value, rabbit meat

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