

**RESEARCHES AT THE CHOICE OF OPTIMUM
CONDITIONS EXTRACT BIOLOGICALLY
ACTIVE SUBSTANCES FROM A GRASS
MELILOTUS OFFICINALIS**

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The purpose of the present researches is definition of optimum conditions extracts the sums of biologically active substances from a grass melilotus officinalis with use of mathematical planning multifactorial experiment. At planning experiment, as variable factors the temperature, a degree of crushing have been chosen time extract. Efficiency extract judged under the maintenance flavonoidis and cumarin in extraction. The lead experimental researches have shown, that at extracts raw material a degree of crushing of 1,0 mm during 9 hours, at temperature 80C0 the greatest degree of extraction both flavonoidis and cumarin is reached.