## Abstract

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The goal ofmythesis was to verify biotransformation posibility of the Datura meteloides culture. Hydroquine - the precursor of arbutin was added into these cultures. Precursor used in this study was prepared in concentration of 100 mg/l and 200 mg/l. Exposition of precursor was 24, 48, 72, 96, 120, 144 and 168 hours under constant conditions. By the qualitative and quantitative analysis I found the presence of studyied arbutin metabolite in all observed samples. The biggest arbutin volume was obtained after 168 hours of cultivation with precursor of concentration at 200 mg/l (3,05%). The in\_uence of precursor's concentration and exposition time to the \_nal product was thereby con\_rmed.