

THE INVESTIGATION OF PERSPECTIVE SPICES (AROMATIC) PLANTS IN VYTAUTAS MAGNUS UNIVERSITY

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Research on the preservation, enhancement and improvement of human health of biodiversity, investigations of medicinal, spice (aromatic) plants (MAPs) have a scientific and practical significance not only in Lithuania, but also in the whole world. These plants are grown in green spaces, decorated with landscapes, used in the food, cosmetics, pharmaceutical industry and medicine [8].

The aim of research – to investigate the introduction of perspective spice (aromatic) plants, their biologically active compounds in the part of overground. The investigation of perspective spices (aromatic) plants introduction carried out in the Botanical Garden at Vytautas Magnus University. Analysis of secondary metabolites and antioxidant activity of MAPs are carried out using integrated sample preparation, spectrophotometric, chromatographic and microanalysis techniques [3,8]. Ecological and biological characteristics of wild and cultivated varieties of MAPs and phenology studies [2,4,5].

1997-2018 years, promising medicinal, selected (aromatic) plants: *Salvia officinalis* L., *Origanum vulgare* L., *Perilla frutescens* (L.) Britton, *Satureja montana* L., *Desmodium canadense* (L.) DC, *Hyssopus officinalis* L. In the field of *ex situ* experimental areas of sector Medicinal and spice plants collections of Botanical Garden at Vytautas Magnus University in the experimental test areas, during the introduction, promising medicines. The introduction and their applicability and significance for cultivation in green spaces and their impact on human health have been investigated [1,5,6].

The introduction of perspective spice (aromatic) plants and their applicability and significance for cultivation in green spaces and their impact on human health have been investigated. These plants are recommended for multiplication, their diversity, growing in gardens, industrial plots and for the development of herbal medicine and for improving public health in Lithuania.

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