

Q-Pare-Qualitative preliminary analyses of Ramson aqueous extract

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Abstract:

Ramson (*Allium ursinum*) is a medicinal plant found specially on mountain landscapes or on plains with fertile soil with a taste similar to garlic. Spring is the best season to collect this plant and for culinary and therapeutic purposes only the leaves are used. Ramson contains vitamin A, C, carotenoids, volatile oils and minerals (e.g.: Ca, Fe, P, Cu, Na) and the most important therapeutic applications concern blood purification, detoxifies the organism, acts as antiseptic, antiviral, antimicrobial and immunomodulatory, helps lower the cholesterol and acts as a bronchodilator. Ramson is mostly used as infusion or decoction with good results in biliary insufficiency, insomnia, dizziness, depression, gout or heart diseases. This study presents different qualitative preliminary analyses of Ramson (*Allium ursinum*) aqueous extract. The aqueous extract is obtained at room temperature from dried Ramson leaves and stored for more than two weeks in the refrigerator at 4°C. In order to determine whether phytochemicals (E.g.: carbohydrates, tannins, saponins, flavonoids, anthraquinone and anthocyanosides) are present in Ramson's composition, phytochemical screening was carried out using standard phytochemical methods. For example, the presence of saponins in the aqueous extract was determined by adding 2 mL of extract to 2 mL of distilled water in a graduated cylinder and shaking it for 15 minutes with the formation of a 2 cm foam layer. In order to determine the presence of flavonoids, 1 mL 2N NaOH was added to 2 mL extract and a yellow color appeared, thus confirming the presence of flavonoids in Ramson extract.

Biography

Ana-Alexandra Sorescu has completed her Msc studies at the age of 27 years from Politehnica University in Bucharest and is currently a PhD student at Valahia University in Targoviste. She is also working, for almost 10 years, at The National Research&Development Institute for Chemistry and Petrochemistry as a 3rd degree scientific researcher. She has published 5 papers in ISI journals, more than 10 non-ISI papers and participated with more than 50 scientific papers at national or international scientific conferences.