

Exhaustive extraction for *Erodium lacinatum* member of Palestinian flor
Year:

Students:

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Abstract

Many bioactive ingredients are derived from natural sources such as plants, animal glands, or fungi. Medicinal plants are the richest bioresource of drugs and there is an increasing need for substances with antiviral, antibacterial, anticancer activity. The aim of this research was to determine the percentage yield of the organic and aqueous phase of the exhaustive extraction of *Erodium lacinatum* plant. *Erodium lacinatum* is a genus of the botanical family Geraniaceae. The genus includes about 60 species, for the most part originating in the Mediterranean or Western Asian regions, and it is one of the Palestinian flora. Exhaustive extractions done for our plant as we weight 25g of dried plant and soak it in ethanol 50% and hexane with shaking for 72 hours at room temperature. Then after filtration we dried the aqueous face by rotary evaporator and freeze drying and organic faces by decrease the pressure separately. The yield of organic face was 0.28% and the aqueous face was 15.56%, then we dissolved the organic layer in dimethyl sulfoxide (DMSO), and we dissolved the aqueous layer in phosphate buffer saline (PH 7.4) as they are ready for biological activity.