

# الآية

قال تعالى:

﴿وَالْأَرْضَ مَدَدْنَاهَا وَأَلْمَيْنَا فِيهَا رَوَاسِيَ وَأَلْبَتْنَا فِيهَا مِنْ كُلِّ شَيْءٍ مَوْزُونٍ﴾

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## **Dedication**

This research is dedicated to my father continuous support, faith, and believe in me.

I Dedicate it to my grate mother how in under the ears may Allah mercy and grand her paradise

Also to my sisters and brothers for keeping me in the perfect spirit.

I dedicate this research to everyone has been next to me among the time I was conducting the research.

## **Acknowledgment**

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## Abstract

In this study the essential oil of the medicinally important species- *Petroselinum crispum* was investigated. Phytochemical screening revealed the presence of flavonoids, tannins, alkaloids, carbohydrates and saponins. The antimicrobial potential was measured via the cup plate agar diffusion assay against six standard human pathogens and the oil showed activity against *Staphylococcus aureus*.

The oil was analyzed by GC-MS where 47 constituents were detected being dominated by: Apiol (38.28%), 4-Methoxy-6-(2-propenyl)-1,3-enzodioxole (28.82%), 1,2,3-Trimethoxy-5-(2-propenyl)benzene (6.63%), 2,6,6-trimethyl-bicyclo[3.1.1]heptane (6.31%),  $\alpha$ -Pinene (5.68%)

## مستخلص البحث

في هذه الدراسة اخضع نبات البقدونس للمسح الفيتوكيميائي حيث اتضح وجود الفلافونيدات , القلويدات , التنينات والصابونيات والكريبوهيدرات وهى مواد ذات فعالية بيولوجية معروفة.

ثم اختبرت فعالية زيت النبات ضد بعض انواع البكتريا القياسية فاعطى الزيت فعالية ضد *Staphylococcus aureus*. حددت مكونات الزيت بتقنيه الكروموتوغرافيا السائله الغازية- طيف الكتله حيث اتضح وجود سبعة واربعون مكونا اهمها :

Apiol(38.28%), 4-Methoxy-6-(2-propenyl)-1,3-benzodioxole(28.82%), 1,2,3-Trimethoxy-5-(2-propenyl)benzene(6.63%), 2,6,6-trimethyl-bicyclo[3.1.1]heptane (6.31%),  $\alpha$ -Pinene(5.68%)

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