

عنوان مقاله:

Effect of Kinetin Hormone on chemical compounds of Achillea millefolium L. Essential oil

محل انتشار:

ششمین کنفرانس بین المللی مطالعات جهانی در علوم تکنولوژی و مهندسی (سال: 1401)

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خلاصه مقاله:

The main objective of this study was to examine the influence of different concentrations of hormone "kinetin," on the nature of the essential oil obtained from the Achillea Millefolium L. using the spray We made concentrations of 50, 100 & 150 ppb of kinetin hormone in the laboratory and sprayed it on the aerial parts of the plant at certain times of the day. these treatments were performed 3 times a week. The treated plants were then collected after a period of plant rest and dried in the dark and in the air. The dried plants were weighed and essential oils were extracted separately by Clevenger device. The results indicate that, That the kinetin of hormone generally reduces the main compounds and There is a small effect on the increase of compound that have a lower percentage of essential oil. We obtained results on increasing, decreasing, producing or eliminating active substances in the plant after hormone therapy compared to .the control. Also identify the number of elements in the essential oil and the changes that after hormone therapy

کلمات کلیدی:

.Achillea millefolium L., Essential oil, kinetin, Phytohormones, Clevenger, GC/MS

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