

EVALUATION OF ANTIOXYDANT ACTIVITY OF SOME EXTRACTS OF *COTULA CORONOPIFOLIA* WILD IN M'SILA REGION.

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Introduction & Objectifs:

The Genus *Cotula* (Asteraceae) consists of approximately 80 species, among them, three are distributed in Algeria. Many species of this genus are used in traditional medicine.

The aim of this work is to evaluate biological activity of some extract from the aerial part of the species *Cotula coronopifolia* L.

The aim of this work is to evaluate the antioxidant activity of some extracts from the aerial part of *cotula coronopifolia* L. The study of Methanol extract has shown that this extract has a considerable antioxidant activity.

Methodology:

Chemical determinations were carried out using spectrophotometric methods, whereas antioxidant activity was assessed using DPPH scavenging activity Kelen et Tepe, 2008.

Results and Discussion:

The study of Methanol extract has shown that this extract has a considerable antioxidant activity.

The results showed that our extract has a very important radical scavenging effect against DPPH radical compared to BHT as a standard.

Conclusion:

We conclude that the plant *Cotula coronopifolia* has an interesting activity.

Key words: *Cotula coronopifolia* L; Extracts; biological activity.

Références bibliographiques

1. Kelen M., Tepe B. (2008). Chemical composition, antioxidant and antimicrobial properties of the essential oils of three *Salvia* species from Turkish flora, *Bioresour. Technol.*, 99: 4096-4104

