

## SCREENING PHYTOCHIMIQUE ET ACTIVITE ANTIBACTERIENNE DE L'HUILE ESSENTIELLE DE *COTULA CINEREA* (GARTOUFA) DANS LA REGION DE BECHAR

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### ABSTRACT

The essential oils of many plants are become popular in recent years and their bioactive principles have recently won several industry sectors, however their use as antibacterial and antifungal agents has been reported. This work focuses on the analysis and phytochemical study of the antibacterial activity of the essential oil of aromatic and medicinal plant flora of southwestern Algeria, this essential oil was obtained by hydro distillation of the parties aerial *Cotula cinerea*, belonging to the Asteraceae family, it is answered in the spring season in a region called Kenadza road, 12 km around of Bechar. Varying antibacterial activities of the essential oil of *Cotula cinerea* (yield 2%) were revealed about 7 bacterial strains; the minimum inhibitory concentrations of essential oils were determined by the method of the dilution in agar. We mark a significant bacterial sensitivity, *Enterobacter cloaca* with an inhibition of 55 mm area.

**KEYWORDS:** *Cotula cinerea*, Essential Oil, Antibacterial Activity, Phytochemical Screening