ABSTRACT

Aromatic and medicinal plants are an important source of antimic robial molecules, especially in volatile extracts. The genus Thy mus is considered among the richest general in secondary metabolites. In this context, this work examines on the study of the extraction of the organic compound by steam soxlhet of a species endemic Thymus numidicus from Bouira. These naturals' substances are recovered by differents solvents; aqueous, ethanolic, and methalonic. On the other hand, the determination of the antimicrobial activity of this organic compound is executed. The antimicrobial activity was tested by agar diffusion technique and calculation of the minimum inhibitory concentrations (MIC). It has been tested on six bacterial strains: Echerichia coli, Pseudomonas fluorescens, Staphylococcus aureus, Aspergillus fumigatus, Candida albicans and Aspergillus niger. It should be noted that these agents are characterized by a high frequency of contamination and pathogenicity. Through this study, we note that these microorgamisms are very sensitive of these extracts. So, the study of the antimic robial activity of different extracts; organic and aqueous of Thy mus numidicus showed a very good antimic robial activity of these substances.