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Antimicrobial activities of chloroform, ethyl acetate and petroleum ether extracts of plant species *Seseli rigidum* W. K.

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Abstract: This study was aimed at evaluating the antimicrobial activity and efficacy of the chloroform, ethyl acetate and petroleum ether extracts of the endemic plant species *Seseli rigidum* in inhibiting the development of selected fungi and bacteria. Antimicrobial activity was tested using broth dilution procedure for determination of minimum inhibitory concentration (MIC). The plant species extracts demonstrated important antimicrobial activity against 8 strains with MIC values from 16.62 to 62.50 µg/ml. The obtained results suggest that extract of the endemic species *Seseli rigidum* show antimicrobial activity.

Keywords: *Antimicrobial activity, Seseli rigidum*

Introduction

The use of traditional medicinal plants for primary health care and other purposes has progressively increased worldwide in recent years. Plants communicate with their environment by producing a diverse range of chemicals. These secondary metabolites are a common feature of specific plants and plant families. Many plant secondary metabolites have antimicrobial properties that

