



Antibacterial and Antifungal Activities of the Medicinal Plant *Veronica biloba*

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Abstract:

Plants are naturally God gifted for the synthesis of medicinal compound and provide a great help in a new discovery in the area of chemical diversity because of the unknown availability either as a standardized extract or as a pure compound. The medicinal plant *veronica biloba* extracts obtained through Soxhlet and maceration methods were subjected to preliminary antimicrobial screening against pathogenic microorganisms. Fractionation was performed using liquid-liquid extracts such as ethyl acetate, water, dichloromethane, and hexane extract of plant, and the fractions were tested for antifungal activity and antibacterial activity using well-diffusion method at sample concentration of 10-30 μ L. The result indicated that all extracts exhibited antimicrobial activity against all test pathogens. The ethyl acetate extract showed greater activity than other corresponding extracts. Among various extracts, only the ethyl acetate extract show potential against bacterial (gram negative and gram positive) and fungus test strain greater than standard Nystatin test control. Thus, the extract of *Veronica biloba* could be used to treat microbial (fungus and bacterial strain) infection.

Biography:

Amir Hassan is a student by profession. He holds a BS in Organic Chemistry from Govt. Post Graduate College Mardan, Pakistan and currently wants to enroll in Master of Subject (MS) degree in Chemistry. Amir Hassan has 1 years of experience in natural product isolation from medicinal plants and 2 year of Chemistry laboratory work. He has also been involved in investigations of medicinal plants for cancer treatment. Amir Hassan identified a



medicinal plants extracts activity higher than available antibiotics in markets recently and currently working on it.

Recent Publications:

1. Amir Hassan, et al; The Antioxidant Activity and Phytochemical Analysis of Medicinal Plant *Veronica biloba*, 2019
2. Amir Hassan, et al; Antibacterial and Antifungal Activities of the Medicinal Plant *Veronica biloba*, 2019
3. Amir Hassan, et al; Traditional Chinese Herbal Medication for corona-virus 2019, 2020
4. Amir Hassan, et al; Isolation of Caffeine from Carbonated Beverages, 2020
5. Amir Hassan, et al; 2,4-dinitrophenyl hydrazone derivatives as potent of alpha amylase inhibitors, 2020
6. Amir Hassan, et al; Management of hospitalized drug sensitive pulmonary tuberculosis patients during the Hajj mass gathering: A cross sectional study, 2019

World Microbiology Summit; April 24, 2020; London, UK

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