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## Estimation of Antifungal Activity of *Vitex Negundo* by Different Solvent Extracts

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Abstract: Natural substances for human health have long been found in plants. From the root to the fruit, every part of the plant has a number of secondary metabolites that are highly beneficial for treating a variety of ailments. The creation of costly antibiotics is a result of the ongoing rise in the number of microbe strains that are resistant to antibiotics. Compliance is challenging in the majority of developing nations due to the high cost of these antibiotics. This necessitates investigating alternate sources of antifungal agents. The medicinal shrub Vitexnegundo(Family: Lamiaceae) has been shown to have healing properties against a number of illnesses. Present work was carried out to assess the antifungal activity of Vitexnegundoagainst ten multidrug resistant pathogenic Aspergillussps. V. negundoplant parts (leaves, stem, flowers) were collected, air dried, grinded and extracted by using different solvents (methanol, acetone, chloroform)through sequential extraction method These extracts were then tested for antifungal activity using agar well diffusion method.Methanolic, acetonic and chloroform extracts exhibited moderate antifungal activity as compared to standard antibiotic flucanazole. From the above findings it is suggested that flower extracts ofV. negundo has the potential to be developed as an antifungal agent

Keywords: V. negundo, solvent extracts, antifungal activity, bioactive compound



