

## Seasonal Stirred Variations in Chemical Composition and Antifungal Activity of Medicinal Plants *Turraea holstii* and *Clausena anisata*

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**Abstract :** Curative dependence of traditionally used medicinal plants on season of harvest is an alleged claim by traditional health practitioners. This study intended to verify these claims by investigating antifungal activity and chemical composition of traditionally used medicinal plants *Turraea holstii* and *Clausena anisata* harvested in rainy season and dry season. The antifungal activities were determined by broth microdilution method whereas chemical profiling of the extracts from the plant materials was done by gas chromatography (GC). Results indicated that extracts of plant materials harvested in dry season showed enhanced antifungal activity as compared to extracts of plant materials harvested in rainy season. GC chromatograms showed overalls increase in number and amount of chemical species for extracts of plant materials harvested in dry season as compared to extracts of plant materials harvested in rainy season.

**Keywords :** antifungal activity, chemical composition, medicinal plants, seasonal dependence

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