

# HPTLC Fingerprinting and Antifungal Efficacy of Ethyl Acetate Extract *Couroupita guianensis* on Selected Fungal Pathogens

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Received November 22, 2016; accepted December 23, 2016

## ABSTRACT

The HPTLC fingerprints will help the manufacturer for quality control and standardization of herbal formulations. Such finger printing is useful in differentiating the species from the adulterant and act as a biochemical marker for this medicinally important plant in the pharmaceutical industry and plant systematic studies. Resistance to antibiotics in pathogenic fungi is a problem of special importance in the control of infections caused by these organisms. Therefore, it is of importance to investigate the

HPTLC fingerprint and antifungal analysis of ethyl acetate extract of the aerial part of *couroupita guianensis*. *Couroupita guianensis* (Aubl) Family Lecythidaceae commonly known as Cannon ball tree, locally known as “Kailashpati,” is found throughout India. The leaves, flowers, fruits and bark of this medicinal plant is used to treat skin infections, antimicrobial, cancer and various traditional medicinal preparations. Our results clearly show that the antifungal efficacy of *couroupita guianensis*.

**KEYWORDS:** HPTLC fingerprints, *Couroupita guianensis*, Antifungal, Lecythidaceae, Resistance.