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PRINCETON COLLEGE OF PHARMACY

(Affiliated to JNTUH & Approved by AICTE, PCI, New Delhi)

Chowdaryguda, Korremula (V), Ghatkesar (M), Medchal (Dist.)-500 088

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A REVIEW ON DRUG INTERACTION

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ABSTRACT

The topic of drug-drug interactions has received a great deal of recent attention from the regulatory, scientific, and health care communities worldwide. Nonsteroidal anti-inflammatory drugs, antibiotics and, in particular, rifampin are common precipitant drugs prescribed in primary care practice. Drugs with a narrow therapeutic range or low therapeutic index are more likely to be the objects for serious drug interactions. Object drugs in common use include hypoglycaemic, diuretics, fluoroquinolones, antiepileptic drugs, Antipsychotic ,cisapride, and antimanic. The pharmacist, along with the prescriber has a duty to ensure that patients are aware of the risk of side effects and a suitable course of action should they occur. With their detailed knowledge of medicine, pharmacists have the ability to relate unexpected symptoms experienced by patients to possible adverse effects of their drug.

**PHYTOCHEMICAL SCREENING AND THE EFFECT OF SOLVENT POLARITY ON
ANTIOXIDANT ACTIVITY OF KEBIUL SEED EXTRACT (CAESALPINIA BONDUC
(L) ROXB.) USING DPPH METHOD**

N Sravani

Princeton College of Pharmacy

ABSTRACT

Kebiul seeds have flavonoid compounds which are strong antioxidants so that they can prevent the formation of free radicals. The purpose of this research was to determine the chemical content and antioxidant activity of kebiul seed extract (Caesalpinia bonduc (L) Roxb.) based on the effect of solvent polarity. Kebiul seed extract was prepared using the maceration method using 96% ethanol, ethyl acetate and n-Hexane as solvents. Then phytochemical screening tests and antioxidant activity tests were carried out using the DPPH (1,1-diphenyl-2-picrylhydrazil) method. Ethanol extract can attract chemical compounds such as alkaloids, flavonoids, phenols, tannins, saponins and terpenoids. Meanwhile, ethyl acetate and n-Hexane extracts can attract chemical compounds such as alkaloids, saponins and steroids. The IC₅₀ value of the 96% ethanol extract was 40.3619 µg/mL (very strong antioxidant).