

Preparation of Anticancer Extract

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Abstract: *In India, the hibiscus rosa-sinensis (HS) flower is well-known and is used to worship Lord Ganesha. China rose, or Hibiscus rosa sinensis, is a member of the Malvaceae family. In numerous tropical nations, this plant has a wide range of significant medical benefits for treating wounds, inflammation, fever and coughing, diabetes, infections caused by bacteria and fungi, hair loss, and gastric ulcers. According to phytochemical analysis, flavonoids, tannin, terpenoids, saponins, and alkaloids are the principal bioactive substances in charge of its therapeutic benefits. Various pharmacological properties, including anti-pyritic, analgesic, anti-inflammatory, anxiety study, and anti-depressant, were demonstrated by experiment from recent study. These reviews seek to provide information on the different pharmacological and pharmaceutical uses of Hibiscus rosa sinensis. The article discusses a few literary works that are based on the studies conducted on Hibiscus rosa sinensis.*

Background: *Infectious diseases are the most common causes of morbidity and mortality in developing countries. Wound and wound infections are also major health problem. Nowadays, medicinal plants play a major role in treatment of infectious diseases and wound healing and they are easily available and more affordable as compared to synthetic compounds. The aim of this study is therefore, to investigate the antibacterial and wound healing activities of 80% methanol extract of Hibiscus micranthus leaves using disc diffusion methods and rat excision model respectively. Methods: In vitro antibacterial screening was carried out against S. aureus, S. pneumoniae, S. pyogenes, E. coli, P. aeruginosa, K. pneumoniae and P. mirabilis bacterial strains using disc-well diffusion assay. Wound healing activity was done in rats divided into four groups each consisting of six animals. Group I was served as a negative control (ointment base), Group II served as a positive control Nitrofurazone (NFZ 0.2% ointment), Groups III and IV were treated with 5 and 10% extracts respectively. The acute oral toxicity test and skin sensitivity test were also performed before conducting the actual study. The extract was analyzed for secondary metabolites using.*

Keywords: Hibiscus micranthus Anticancer Activity, Antibacterial activity, Wound healing activity