



**A STUDY ON ANTIOXIDANT, PROXIMATE ANALYSIS, ANTIMICROBIAL
ACTIVITY AND PHYTOCHEMICAL ANALYSIS OF *IPOMOEA PESCAPRAE*
BY GC-MS**

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ABSTRACT

Plants have been an important source of medicine with qualities for thousands of years. Mainly on traditional remedies such as herbs for their history it has been used as a popular folk medicine. *Ipomoea pescaprae* is used as medicinal values. Screening of photochemical (Qualitative and Quantitative) analysis of *Ipomoea pescaprae* shows that almost of the chemical constituents are present Tannin, Phlobatannins, Saponin, Flavonoids, Steroids, Terpenoids, and Cardiac glycosides Anthroquinones which are used in medicinal purpose. *Ipomoea pescaprae* are having the antimicrobial activity against human pathogens. In 100% concentration of extraction zone of inhibition is high. But 25%, 50% and 75% shows the lowest inhibition activity. Proximate analysis indicates the nutrients efficacy. In GC-MS analysis some of the Phytocomponents are screened as Eugenol, n-Hexadecanoic acid, 1, 2-Benzenedicarboxylic acid, diisooctyl ester, Phenol, 2, 4-bis (1-phenylethyl)- are present in *Ipomoea pescaprae*.

**Keywords: *Ipomoea pescaprae*, Antioxidant Activity, Proximate Analysis,
Antimicrobial Activity and Phytochemical Analysis**

INTRODUCTION

Plants are used medicinally in different countries and are a source of many potent and powerful drugs. *Ipomoea pescaprae* is more responsive to nutrient, grows in arid

climates and widely distributed in India and other arid areas and it is used in folk medicine. The fresh stem and leave of *Ipomoea pescaprae* is used for the